



Air compressors
Compressed air technology



AIRCRAFT compressed air technology - quality at an economical price!



Production and administration building at Hohenzell/Austria

Dear customers,

There are many good reasons for taking a close look at this catalogue!

In 1992, we founded AIRCRAFT Kompressorenbau GmbH, because there were no compressors that met our requirements and expectations on the market at the time. We thus decided to produce our own compressors to meet our requirements in terms of equipment level, convenience and user-friendliness, and to offer the user the best possible price/performance ratio at the same time.

As early as AIRCRAFT Kompressorenbau's founding year, our first products were ahead of their times. We had developed an innovative compressor, in the form of the **duo-airmat**, and we had patented the design, whose features some competitors were still presenting as innovations 15 years later. We have regularly set new standards ever since these early days!

In line with this, AIRCRAFT has continued to extend our product and service portfolio. This gives you the ability to additionally order the installation of your compressed air system, including installation of the pipe network, as a turn-key system from a single source. AIRCRAFT is also happy to design your complete system on request, and we ensure that it is installed in good time and to your complete satisfaction.

AIRCRAFT offers effective added value in the compressed sector, which translates to cash savings for you. Our field service team provides extended support for your projects, helping you to use energy in a meaningful way, and thus achieve constantly high efficiency with your system. And you benefit from our efficient screw-type and piston compressors in terms of your energy, wear and maintenance costs!

We owe our progress to a large extent also to you, our customers. Your feed inspires our engineers to embrace new approaches, and thus continually enhance our products and services. Your suggestions help to keep our products on the leading edge. And this is something that we very much appreciate.

Don't forget to visit our websites

www.aircraft.at and www.aircraft-kompressoren.de

Keep track of the news, discover our innovations and current offers. Browse our online catalogues or get some help if you need to find a local retailer.

Please do not hesitate to contact us with your questions regarding compressed air. We're looking forward to seeing you!

Your AIRCRAFT Team

Kilian Stürmer
Managing Director

Klaus Hütter
Managing Director



Sales and service Germany in Hallstadt/Germany





AIRCRAFT in the STÜRMER Group

Aircraft is a punch-packing business in the company group with STÜRMER Maschinen; it benefits from shared pan-European sales, service and logistics.

STÜRMER Support

Today, STÜRMER Maschinen employs around 250 group staff at its Hallstadt facility. Some 50 experienced and appropriately qualified service staff are also available to customers, from the technical hotline, through spare parts logistics to service calls at the customer site.

At the Service Centre, incoming customer requests are processed directly, or distributed to the appropriate departments. The adjacent comprehensive spare parts warehouse ensures rapid delivery of spare parts in case of need.

We understand that customers' need a competent partner who is available to quickly and efficiently find a solution; and we implement these solutions every day at the Service Centre. At the centre alone, we employ 14 master craftsmen from the fields of electrical engineering, electronics, automotive mechanics, mechanical engineering and mechatronics.

■ The complete "package deal" by AIRCRAFT: Planning and installing your compressed air system



... for more details, please refer to page 10

■ Ahead of its time back then: the AIRCRAFT duo- airmat (1992)



STÜRMER Logistics Centre

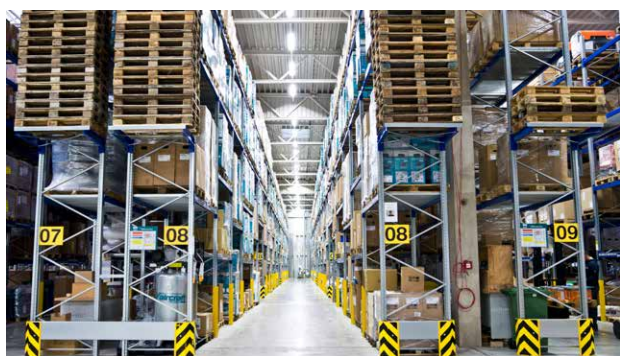


In early April 2014, operations started in our new logistics centre. At the 50,000 m² company site in Pettstadt near Bamberg (15 km from head office), the new logistics centre was created featuring 20,000 m² of hall floor space: another milestone in the history of the STÜRMER Group, which includes FINI Germany.

The objective is to improve delivery quality in all respects, and thus offer our esteemed business partners tangibly increased benefits.

The logistics processes work perfectly today. The conditions have thus been established for orders that are entered on the system before 12 o'clock being picked and packed on the same day, and dispatched on the same day, or the next day depending on availability of the forwarding company.

Our objectives are your benefits!



Air compressors

STÜRMER Logistics:

- Own fleet of five trucks
- 20,000 pallet bays
- 2,500 bays for small parts
- 22,000 m² of warehouse space
- 41 qualified warehouse clerks and trainees
- Approx. 8,800 shipments per month
- Approx. 15 m euro worth of goods in stock at all times

More than 345,000 items ready for delivery:

- Around 20,000 machines
- Around 225,000 accessories
- Around 100,000 spare parts

(Valid as of 1 February 2015)

Our logistics centre stocks more than 345,000 articles, of which approx. 6,000 air compressors with a total value of approx. 16 m euros. This allows for fast shipment of almost all of our products to Germany and throughout Europe. Qualified staff ensure the orderly delivery of the goods. Every year, more than 100,000 items leave the company's premises – with our own delivery vehicles, by carrier, or by parcel service.



22,000 m² of warehouse space





STÜRMER demonstration and training centre

What you can look forward to

Approx. 2,000 m² of training and exhibition floor space

- ▶ 150 machines permanently available to demonstrate to you
- ▶ An excerpt of the most important machines from each sector of our product portfolio

You too can benefit from the synergy effects that the large, comprehensive machine program offers, covering all our brands at our demonstration centre.

At our newly opened demonstration centre at our main facility in Hallstadt, near Bamberg, you can experience many of our highlights live on a floor space of some 2,000 m². Four customer advisors are available to help you with their expert knowledge.

The machines at the demonstration centre represent a sales value of some two million euros.

"With brand-name products from the STÜRMER Group, you can always be sure of making the right purchasing decision."

A price comparison among genuinely equivalent and comparable products offers you the assurance that purchasing a brand-name product by FINI gives you a product that stands comparison in terms of ease of use, features, quality, engineering and price-performance and the right purchasing decision for you.

Expert advice before buying, after-sales service and a reliable supply of spare parts after purchase, protect the STÜRMER customer's investment for many years.

STÜRMER also provides **product training** for its retail partners at our company headquarters in Hallstadt.

Many machines are presented, demonstrated and explained in our exhibition space. Hands-on training is guaranteed.

At our specially equipped training and presentation rooms, retailers learn the key facts about STÜRMER products, and the unique selling points compared with third-party products.



The company's own bistro for a cosy way to wind up meetings, discussions and training sessions.



Up to 60 persons can be brought along to dealer-specific meetings and training sessions.

"A program that leaves nothing to be desired!"

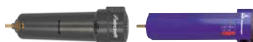
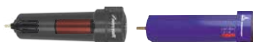
Piston compressors	16
AIRBOY series	20
AIRBOY E series	22
HANDY E series	22
MOBILBOY E series	22
MOBILBOY F	23
COMPACT-AIR/COMPACT-AIR E series	24
AIRCAR PRO series	28
AIRBAU/AIRCAR-BAU series	30
AIRSTAR E series	33
AIRSTAR series	28
AIRPROFI mobile series	40
AIRSTAR H stationary series 10 bar	43
AIRPROFI TANDEM stationary series 10 bar	47
AIRPROFI V stationary upright series 10 bar	48
AIRPROFI H stationary horizontal series 10 bar	50
AIRPROFI Duo stationary series 10 bar	52
AIRPROFI auxiliary compressors stationary series 10 bar	54
AIRPROFI series stationary upright 13-15 bar	56
AIRPROFI series stationary horizontal 13-15 bar	57
AIRPROFI TANDEM series stationary 13-15 bar	58



AIRPROFI BK series auxiliary compressors stationary 13 - 15 bar	59
AIRPROFI DUO series 13 bar stationary 13-15 bar	60
AIRPROFI Silent mobile series	62
AIRPROFI SILENT series stationary 10 and 15 bar	64
Screw-type compressors	68
EASY X4 sequence controller	72
A-MICRO SE series	76
A-DUO-MICRO series	78
A-MICRO series	80
A-PLUS series 7.5 – 11 – 15 kW	82
A-PLUS series 18.5 – 22 kW	84
A-PLUS series 30 – 75 kW	86
K-MAX 5.5 - 15 kW	94
K-MAX VS 7.5 kW – 15 kW	96
HRS series (heat recovery)	102
Compressed air system components	104
Compressed air batteries/vessels	105
Ball valves/energy saving devices	111
Switches/valves/motor protection/manometers/lines/sealing tape/screw locking	112
Motors and accessories/compressors/v-belts/impellers	114



Water trap/ compressed air filter	116
Cyclone separator ACKL	118
WWB Water separators	120
Fine filters	118 + 120
Micro filters	118 + 120
Nanofilters	119 + 121
Activated carbon filters	119 + 121
Compressed air refrigeration dryer	122
Condensate drain	124
Condensate treatment systems	126
Compressed air distribution	128
Plastic pipes Ø 15-28 mm	135
Aluminium pipes Ø 15-32 mm	135
Pipeline building components Ø 15-32 mm	136
Pre-assembled distributor blocks	138
Pipeline building components Ø 40-80 mm	142
Pressure regulators/maintenance units	144
Compressed control devices	146
One-handed safety couplings	148
Compressed air tools and accessories	151
Air brush sets and paint spray guns	152
Blow guns	154
Tyre inflator and pressure gauge	158



Compressed air kits	159
Cartridge guns	
Grease guns	160
Spray guns	
Underbody protection gun	
Sandblasting guns	162
Impact driving tools	163
Drilling machines/Driving tools/Grin- ders	168
Grinding tools	170
Cutters, cutting and stamping tools	176
Riveting tools	178
Spot weld cutter	178
Compressed air panel-beating hammer	178
Sawing	178
Needle scalers	179
Chisel hammer drills	180
Lubricants/Oil	181
Clamping and nailing tools	182
Power modules	183
Compressed air hoses	184
Spring balancers	185
Hose rewinders	186
Cable reel	187



A few of our highlights for 2016 at a glance

New

Oil-free!



- **AIRBOY series** - Portable compressors for more flexible daily use in building and other trades

- ▶ AIRBOY Silence 40 OF PRO, AIRBOY 186 OF E, AIRBOY 206 OF E
- ▶ Single-handed quick-release coupling
- ▶ Pressure regulator
- ▶ Vibration-damping rubber feet
- ▶ Oil-free piston compressor; removes the need for oil changes and avoids oil in the condensate
- ▶ Easy to use and carry

New



- **MICRO SE 2.2-4.0-**
2.2-4 kW screw-type compressors
- **MICRO MICRO 4.0-5.5-**
4.0 - 5.5 kW screw-type compressors

- ▶ The MICRO range is available in two versions:
- ▶ MICRO "SE" 2.2-4 kW: electromechanical ON/OFF switch, with motor protection. The pressure gauge and hour counter are included in the control panel. User-friendly, no idling
- ▶ MICRO 4-5.5 kW: star-delta starter, including the ETMII electronic controller, which controls the complete operation of the machine.
- ▶ With sense of direction check
- ▶ Low maintenance costs

New



- **A-PLUS 7.5-11-15** - 7.5-15 kW screw-type compressors

- ▶ Screw-type compressors for permanent operation and 100% load – designed for maximum operating safety.
- ▶ With operating hour counter
- ▶ With sense of direction check
- ▶ Low maintenance costs
- ▶ Energy saving
- ▶ Easy maintenance due to easily accessible elements

... for more details, please turn to page 23

... for more details, please turn to page 76

... for more details, please turn to page 84

More AIRCRAFT special features:

New



AIRPROFI BX 660/100 OF PRO
on page 31



AIRPROFI 553/270/10 V
on page 59



AIRPROFI 853/270/10 H Silent
on page 73



HRS series
on page 104



■ **A-PLUS 18.5-75**
15-75 kW screw-type compressors

- ▶ Noise-insulated screw-type compressors with ribbed belt drive for continuous duty and 100% load
- ▶ Also available with frequency control
- ▶ With sense of direction check
- ▶ Low maintenance costs
- ▶ Energy saving
- ▶ Easy maintenance due to easily accessible elements

... for more details, please turn to page 88



■ **K-Max 5.5-7.5-11-15**
5.5 - 15 kW screw-type compressors

- ▶ Directly coupled, coaxial screw-type compressors with ribbed belt drive for continuous duty and 100% load
- ▶ Direct drive technology for maximum reliability.
- ▶ High performances, excellent efficiency.
- ▶ Microprocessor control ET IV
- ▶ Compact, space saving design
- ▶ Maintenance-free drive
- ▶ Energy saving
- ▶ Easy maintenance due to easily accessible elements

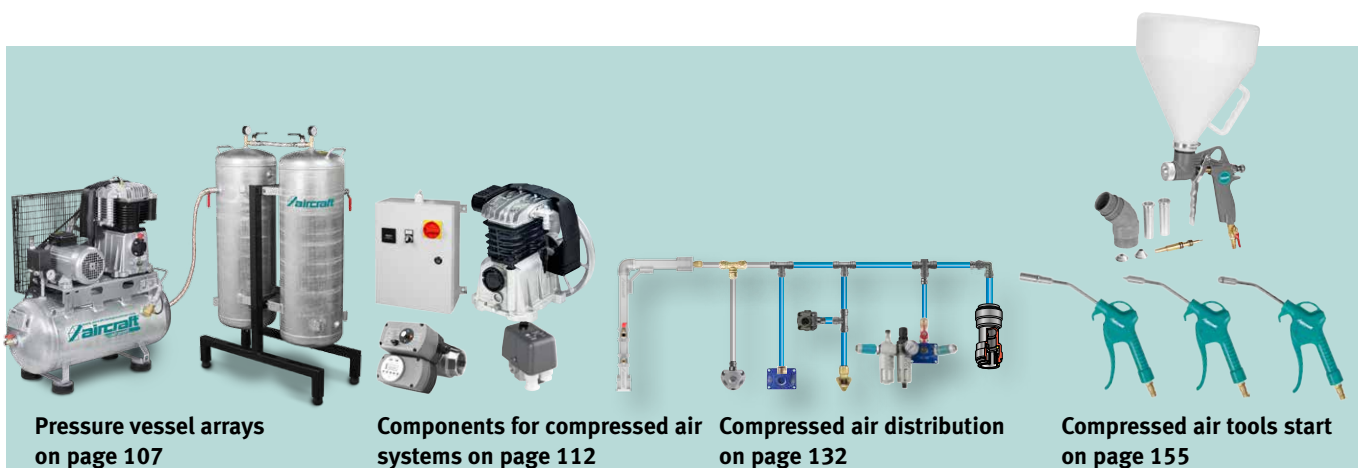
... for more details, please turn to page 94



■ **A-K-MAX VS 7.5-11-15 -**
7.5-15 kW screw-type compressors with frequency control

- ▶ Directly coupled screw-type compressors for continuous duty and 100% load, including frequency control.
- ▶ The electronic "SpeedTronic Control" monitors the motor and compressor speed.
- ▶ Direct drive technology for maximum reliability.
- ▶ High performances, excellent efficiency.
- ▶ Microprocessor control ET IV
- ▶ Compact, space saving design
- ▶ Maintenance-free drive
- ▶ Energy saving
- ▶ Easy maintenance due to easily accessible elements

... for more details, please turn to page 98



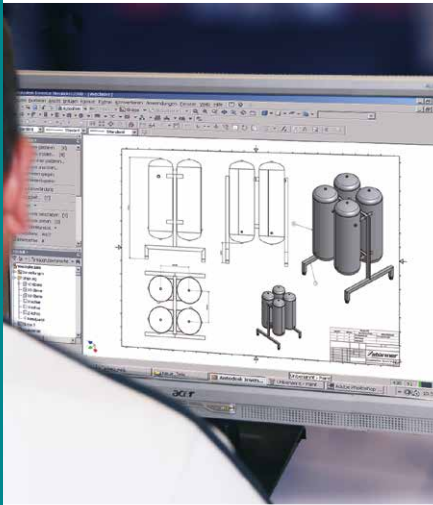
Pressure vessel arrays
on page 107

Components for compressed air
systems on page 112

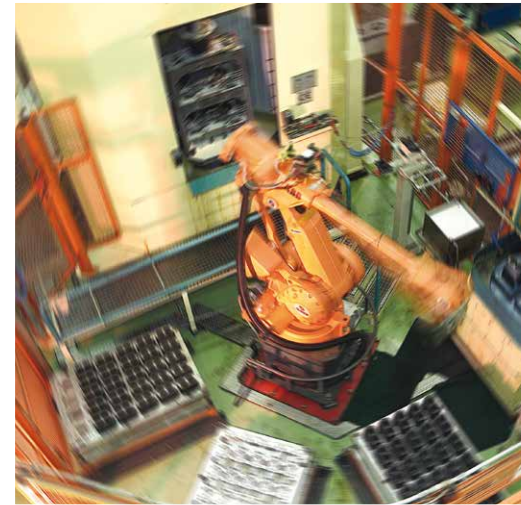
Compressed air distribution
on page 132

Compressed air tools start
on page 155

Quality at an attractive price!



Our designs reflect practical requirements.



State-of-the-art precision compressor manufacturing

■ Planning

As early as the planning phase our engineering department becomes involved in the development of new products, which are manufactured both our facility and facilities operated by our partners. This ensures that market factors and customer requirements are immediately into our workflow, setting the stage for a successful product design.

■ Future-oriented development

AIRCRAFT products are always in a forward-looking development workflow. Our development work relies on state-of-the-art 3D CAD software, which we use to create a virtual model of the machine. Besides ensuring optimum functionality, our development process also targets re-usability of the data.

■ Production and supplier support

At AIRCRAFT, we produce the lion's share of our compressors at our own production facility in Austria. Regular work meetings between our engineers help to transfer new developments and enhancements into series production at the manufacturing location in a targeted way. This direct support at our production facilities has been indispensable in manufacturing the quality products that our customers have trusted for more than 20 years.

■ Hands-on testing

Our technicians' engineering expertise combines theory and practice. To avoid leaving anything to chance in terms of product satisfaction, all of our machines and tools go through application engineering tests. This means that each new product is expected to prove itself in the daily grind before it comes a fixed part of our product range. Engineering analysis helps us to discover and eliminate any remaining weak points.



Fully automated series production ...



for uncompromising product quality.



State-of-the-art precision compressor manufacturing



Environmentally-friendly powder coating plant



Hot-dip galvanisation for a long service life



Our compressor assembly line

■ Quality assurance

Quality tests with a continuous documentation are the basis for consistently high product quality. We thus encourage premium quality thinking in all of company's departments. Regular tests are an indispensable part of our quality assurance system. Qualified employees with electrical, safety and application engineering skills test the products in line with clearly-defined test specifications.

■ Corrosion protection guarantee

We are the first manufacturer to equip stationary compressors and the entire AIRPROFI series with hot-dip galvanised vessels. In addition to the legal warranty, AIRCRAFT offers a 15-year guarantee against corrosion perforation for these vessels. Our powder-coated vessels* come with a ten-year guarantee against corrosion perforation as a factory standard.

** with the exception of the compressors in the budget E series.*



The AIRCRAFT maintenance agreement - your benefits



Our expert service team - competent and committed

■ Professionally performed maintenance

Trained service staff performs maintenance, using only AIRCRAFT spare parts.

■ Operating capability you can rely on

Minimising repair costs and maintaining the operating safety through regular maintenance.

■ Reducing operating costs

Potential defects and wear are identified at an early stage. This protects our customers' investment against unnecessary, expensive repairs and avoidable downtime.

■ Cost transparency

Working time and travel are invoiced by maintenance interval at the agreed rate, plus the agreed material costs.

■ Optimising and protecting your investment

Regular maintenance of compressed air systems preserves their functionality, maximising efficiency and maintaining their value in the long term.

■ Minimising administrative overhead

Maintenance is coordinated by our service team at regular intervals.



Engineering hotline

1 Forward-looking investment

When buying a compressor, do not focus on your current needs. Instead, consider intended future use and then decide on correct dimensioning.

2 Intake performance

The intake capacity is not equivalent to the air flow that is actually available. Please only consider the compressor's output, and make sure that you have planned for an adequate output reserve before purchasing a compressor. A good balance between fill capacity and air consumption guarantees the best possible results.

3 Air quantity

The air flow is driven by your requirements. It is the total consumption by tools, machines and other compressed air devices. When computing this value, you need to consider the compressor's capacity and the workload for which you will be deploying the compressor.

4 Working pressure

To be able to design your new compressor, it is important to determine the correct working pressure of your tools and machines. Excessive operating pressures do not translate to efficiency, but they do increase compressed air consumption, operating costs and wear on your machines.

5 Equipment level

AIRCRAFT compressors are richly equipped as a factory standard. On top of this, we offer a comprehensive range of accessories. The exact equipment features are described on the following pages in the "Technical data" boxes; accessories are referenced separately.

6 Compressed air quality

Inadequately treated compressed air which is soiled with particles, humidity and oil increases the susceptibility of your compressed air devices and machines to failure. This results in increased wear and performance losses. On top of this, inadequately treated introduces contamination into your working process, and this can result in expensive reworking, for example, in painting work.

7 Compressor rooms and installation

Our AIRCRAFT compressed air stations provide a perfect solution on a small footprint. The heat generated by the compressor needs to be dissipated. This means creating sufficiently dimensioned intake and exhaust air openings.

8 Compressor capacity utilisation

In case of continuous compressed air consumption, we recommend an AIRCRAFT screw-type compressor designed for 24x7 operation. If your compressed air needs are sporadic, an AIRCRAFT piston compressor will typically be the better choice. But you can also combine both systems to account for peak loads.

9 Sound pressure level and sound power level

We state both the sound power level L_{wA} and the sound pressure level L_{pA} for our compressor's noise levels. To prove that these values are incompatible, and cannot be compared at face value with other noise levels, e.g. for aircraft, please read the short explanation on how to determine the two values below.

• Sound pressure level L_{pA}

Volume is defined as a separate value by the sound pressure or by the logarithmic sound pressure level. The sound pressure describes the actual effect of a sound source on the air pressure and thus on human hearing. It is measured directly and always depends on the distance to the sound source and the acoustic conditions in the room. The sound pressure level is the value used to assess occupational safety and health protection (in the sense of the Occupational Health and Safety Ordinance).

• Sound power level L_{wA}

The sound power describes the sound energy emitted by a sound source over a unit of time. It can be determined by measuring the sound pressure at several places on an enclosed enveloping surface around the sound source. This value is not measured directly but computed; it does not depend on the distance or the acoustics of the room. The sound power level serves, for example, to define legal limit values for the use of devices outdoors (Outdoor Directive).

10 Determining your compressed air requirements

Most work tasks are only temporary. You can compute the average on-period for these. On top of this, most consumers are not generally used at the same time. The average on-period and the simultaneous use factor f need to be considered in your computations to reduce the total requirement.

Total compressed air consumption: when dimensioning your compressor you also need to take the following factors into consideration: leakage loss, reserves and incorrect forecasts.

Sample computation, compressed air requirement:

Compressed air consumers	Working pressure (bar)	Duty cycle DC (%)	Number A (units)	Individual consumption q (l/min.)	A x q x DC/100 (l/min.)
Paint gun Ø 1.5 mm	3	40	1	180	72
Blow-out gun Ø 1.5 mm	6	10	3	65	19.5
Impact driving tool M 10	6	20	3	200	120
Drill up to Ø 20mm	6	30	1	700	210
Angle grinder	6	40	2	500	400
Sum total Q of compressed air consumption by consumers				(l/min)	821.5
Simultaneity factor f					0.71
Compressed air consumption of consumers $Q_f = f \times Q$				(l/min)	583.3



Piston compressors or screw-type compressors?

The fundamental decision when installing a compressor station is that of choosing the right type of compressor. Both compressor systems have their specific advantages:



PROS: PISTON COMPRESSORS:

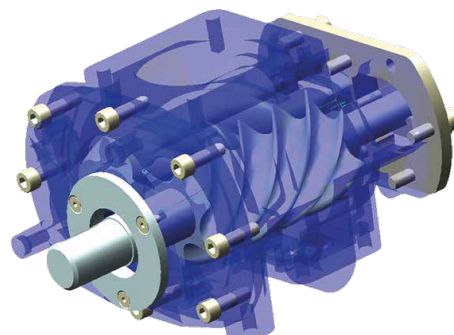
Intermittent demand

- ▶ Piston compressors are suitable for fluctuating compressed air consumption with peak demands. They can be used as peak load machines in a compressor array. Piston compressors are the best choice for frequently changing load cycles.
- ▶ Piston compressors have an intermittent duty cycle, without idling.

Low delivery volumes

- ▶ If the delivery volumes are low, the piston compressor is a more cost-efficient choice than the screw-type compressor.
- ▶ Piston compressors can compress to high **final pressures** (8 bar, 10 bar, 15 bar, 30 bar and 35 bar)*

*Piston compressors with operating pressures of 30 bar and 35 bar on request.



PROS: SCREW-TYPE COMPRESSORS:

Long duty cycle

- ▶ Screw-type compressors are specially designed for use in continuous compressed air consumption without high peak demands
- ▶ (duty cycle = 100%). They are an excellent choice of machine for handling the basic load in a compressor array.

High delivery volumes

- ▶ The screw-type compressor is the most economical choice if you need a high delivery volume.

Pulsation-free volume flow

- ▶ Due to its uniform compression, the screw-type compressor can also be used for very sensitive compressed air consumers.
- ▶ Screw-type compressors work most economically at **compression pressures** of between 5 and 14 bar.
- ▶ Virtually **vibration-free** and **very quiet**
- ▶ State-of-the art control technology



Conclusions

If you anticipate **fluctuating compressed air consumption** in your operations, and will not be extending the system until later, a **piston compressor** is your best choice.

If you have a **constant and high compressed air requirement for the most part**, you are better served with a **screw-type** compressor.

The choice of the correct system should not depend on the purchasing price, since it will rapidly pay off through savings on operating costs. On-going **operating costs** do not just include energy costs for generating compressed air, but also **idle mode and maintenance cost**.

Which AIRCRAFT piston compressor is the right choice for my application?

New
New
New

Compressor/Model	Page	Sealing	Drilling	Painting/ Preserving			Chiselling			Stapling	Nailing	Inflating tyres Measuring	Cleaning Blow cleaning	Bolting Changing tyres			Grinding/ cutting/sandbla- sting	Spraying
AIRBOY Silence 40 OF PRO	21	●	—	●	—	—	—	—	—	●	○	●	●	—	—	—	—	○
AIRBOY 186 OF E	21	●	—	●	●	—	—	—	—	●	○	●	●	—	—	—	—	○
AIRBOY 206 OF E	21	●	—	●	●	—	—	—	—	●	○	●	●	—	—	—	—	○
AIRBOY Silence 50 PRO	21	●	—	●	○	—	—	—	—	○	○	○	●	—	—	—	—	●
AIRBOY Kit 90	21	●	—	●	●	—	—	—	—	●	○	●	●	—	—	—	—	●
AIRBOY 261 E	21	●	—	●	●	—	—	—	—	●	○	●	●	—	—	—	—	●
HANDY 201 OF E	22	●	—	●	●	—	—	—	—	●	○	●	●	—	—	—	—	●
MOBILBOY 221/24 OF E	22	●	○	●	●	—	—	—	—	●	○	●	●	—	—	—	—	●
MOBILBOY 241/24 E	22	●	○	●	●	—	—	—	—	●	○	●	●	—	—	—	—	●
MOBILBOY 301/24	22	●	○	●	●	—	○	—	—	●	○	●	●	—	○	○	○	●
MOBILBOY 311/50 E	22	●	○	●	●	○	○	—	—	●	○	●	●	—	—	○	—	●
COMPACT-AIR 221/10 E	25	●	○	●	●	—	○	—	—	●	○	●	●	—	—	○	—	●
COMPACT-AIR 265/10 E	25	●	○	●	●	—	○	—	—	●	○	●	●	—	○	○	—	●
COMPACT-AIR 311/20 E	27	●	○	●	●	○	○	—	—	●	○	●	●	—	—	○	—	●
COMPACT-AIR 321/20	27	●	●	●	●	○	○	—	—	●	●	●	●	—	●	●	○	●
COMPACT-AIR 361/20 E	27	●	●	●	●	○	○	○	○	●	●	●	●	—	●	●	○	●
COMPACT-AIR BX 240 SILENT	29	●	●	●	●	○	○	—	—	●	●	●	●	—	●	●	○	●
COMPACT-AIR BX 330 OF PRO	29	●	●	●	●	○	○	—	—	●	●	●	●	—	●	●	○	●
AIRCAR BX 330 OF PRO	29	●	●	●	●	○	○	—	—	●	●	●	●	—	●	●	○	●
AIRBAU 652/100 B PRO	31	●	●	●	●	●	●	●	●	●	●	●	●	—	●	●	○	●
AIRCAR-Bau 650 B PRO	31	●	●	●	●	●	●	●	●	●	●	●	●	—	●	●	○	●
AIRSTAR 321/50 E	33	●	●	●	●	●	●	○	—	●	●	●	●	—	●	●	○	●
AIRSTAR 401/50E 403/50 E	33	●	●	●	●	●	●	○	—	●	●	●	●	—	●	●	○	●
AIRSTAR 401/50 403/50	38	●	●	●	●	●	●	○	—	●	●	●	●	—	●	●	○	●
AIRSTAR 503/50	38	●	●	●	●	●	●	●	○	●	●	●	●	—	●	●	●	●
AIRSTAR 503/100	38	●	●	●	●	●	●	●	○	●	●	●	●	○	●	●	●	●
AIRSTAR 703/100	39	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRSTAR 853/100	39	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRSTAR 853/200	39	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 401/50 - 403/50	40	●	●	●	●	●	●	○	—	●	●	●	●	—	●	●	○	●
AIRPROFI 503/50	40	●	●	●	●	●	●	●	○	●	●	●	●	—	●	●	●	●
AIRPROFI 503/100	40	●	●	●	●	●	●	●	○	●	●	●	●	○	●	●	●	●
AIRPROFI 703/100	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 853/100/10	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 853/200	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 703/75/13	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 703/100/15	41	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stationary compressors	42	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
● best suited ○ restrictions apply — not suitable		Cartridge gun PRO, cartridge gun PRO KP, silicone bead gun	BM R+L PRO	Air-Brush kit AS	Decoration gun ES	Paint spray guns: SD, RD, PI HVL, HVL PRO Underbody protection guns	Chisel hammer sets: MHU, MHH, MHB	Chisel hammer for demolition work MHA PRO	Chisel hammer for demolition work MHP PRO	Clamping devices: KG 16 PRO, KG 32 PRO, NKG 40/50 PRO, KG 50 PRO	Nailing device NG 90	Tyre inflator and pressure gauge SD, SD-G, PRO, PRO-G	Blow guns: BPK, BPL, PRO L, PRO XL, PRO XXL, PRO V, PRO G, BPI PRO, Soft BPS	Industrial impact driving tool ISS 1"	Ratchet driving tool: 1/4" PRO, 1/2" LR S, 1/2" LR PRO	Impact driving tool: SS 5 1/2", ISS 1/2", ISS 3/4"	Grinders, universal saws, steel sheet nibblers, sandblasting guns	Spray gun aluminium

Model series overview

AIRCRAFT piston compressors - the right compressor for every application.

Entry-level models

Our models for entry-level compressor technology needs. Perfect for households, DIY and occasional use on building sites wherever there is no need for a permanent compressed air supply.

Oil-free models also available.

Our Economy models are available at very attractive prices!

Building site professionals

A variety of direct drive or belt-driven models in different power classes (8 to 14 bar maximum pressure). For professional use in industry and trade. For any task and for any application. This model series also impresses with a choice of form factors that offer you the convenience you need in different work areas. All of them come with a complete feature set. Simply connect and work.

Rugged, belt-driven compressors for builders, decorators and DIY

Rugged compressors with a tried-and-trusted belt drive and 2-cylinder, aluminium high-performance units - quality for builders, decorators and demanding DIY enthusiasts.



Economy Line
AIRBOY
COMPACT-AIR
MOBILBOY



COMPACT-AIR
COMPACT-AIR PRO
AIRCAR-BU



AIRSTAR Series

Mobile professional compressors with a maximum feature set for builders and decorators

The AIRPROFI series is used by professionals and, in particular, by demanding users. AIRPROFI stands for compressors with an extremely rugged design capable of handling demanding daily use in building and other trades. Premium workmanship and features as a factory standard guarantee the durability of all the compressors in the AIRPROFI series.

Stationary equipment - maximum performance on a small footprint

Maximising the compressed air availability with vessel sizes up to 500 l. Also with an bolted-on refrigerant type dryer, microfilter, condensate conditioning unit and condensate drain as a space-saving complete compressed air unit. Your complete compressed air generation system with premium compressed air treatment on a footprint of just 1m².

AIRPROFI Silent - compressors with noise-insulating housings

Extra silent. Perfect for direct deployment in work areas where, e.g., a separate compressor room is not available.



AIRPROFI Series



**AIRPROFI BK
AIRPROFI V / H
AIRPROFI TANDEM
AIRPROFI Duo**



**Airprofi Silent series
in the variants: mobile or stationary,
with or without a pressure vessel**

AIRCRAFT piston compressor systems

WDS



Maintenance-free continuous-lubrication (WDS)

- ▶ In the WDS system, a Teflon piston ring replaces the standard steel piston ring
- ▶ This removes the need for mineral oil-based lubrication

“WDS” lubricating system benefits

- ▶ There is no need to check the oil level or change the oil
- ▶ Attractively-priced solution thanks to low numbers of simple components
- ▶ Maintenance-free
- ▶ Ideal solution for low compressed air requirements, e.g., for domestic and garden use

HDS



High performance continuous-lubricating system (HDS)

- ▶ Developed for demanding, continuous use wherever oil-free and clean compressed air is required
- ▶ **Large piston, movably mounted on bearings to offset the tumble motion, thus achieving up to 60% improved performance compared with tilt piston systems**
- ▶ Cylinder faces with high-precision and micro smooth surface to ensure minimum friction
- ▶ The high-performance piston and/or piston ring made of a special mixture of graphite, Teflon and carbon has a substantially longer lifetime than a simple Teflon piston ring

“HDS” lubricating system benefits

- ▶ Up to 50 times the duty cycle and service life compared with standard, maintenance-free, tilt piston systems
- ▶ The large surface cooling fins in combination with the single-piece cylinder ensure optimum heat dissipation
- ▶ Maintenance-free
- ▶ Ideal wherever oil-free and clean compressed air is required in daily use

WDS



HANDY 201 OF E
on p.22



MOBILBOY 221/24 OF E
on p.22

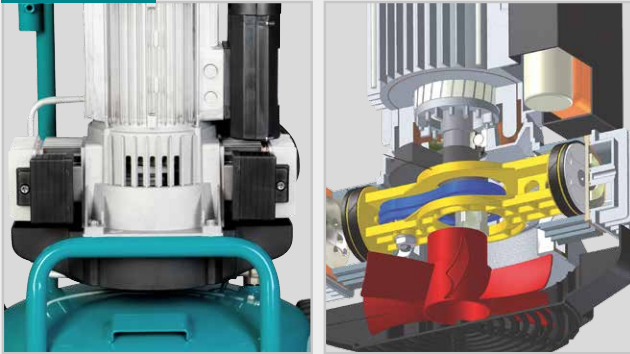
HDS



AIRPROFI 321/100 OF Silent
on p.62

HDS

BX model



Patented technology!

High performance-continuous-lubricating system (HDS)

- ▶ Developed for demanding, continuous use wherever oil-free and clean compressed air is required
- ▶ **Large piston, movably mounted on bearings to offset the tumble motion, thus achieving up to 60% improved performance compared with tilt piston systems**
- ▶ **The piston action in the BX model is axial, like in a flat engine - patented technology for significantly reduced wear (see image top right)**
- ▶ The pistons move axially in special ceramic coated aluminium cylinder, like in a flat engine.
- ▶ This drastically reduces the wear on the seals.
- ▶ This removes the need for the frequent and expensive maintenance that has to be performed on legacy dry compressors.

“HDS” BX lubricating system benefits

- ▶ The patented oil-free compressor system with double piston and horizontal compression, like in a flat engine, substantially reduces the otherwise typical wear on oil-free compressors
- ▶ The large surface cooling fins in combination with the cylinder manufactured as a single piece ensure optimum heat dissipation.
- ▶ Maintenance-free
- ▶ Ideal wherever oil-free and clean compressed air is required in daily use

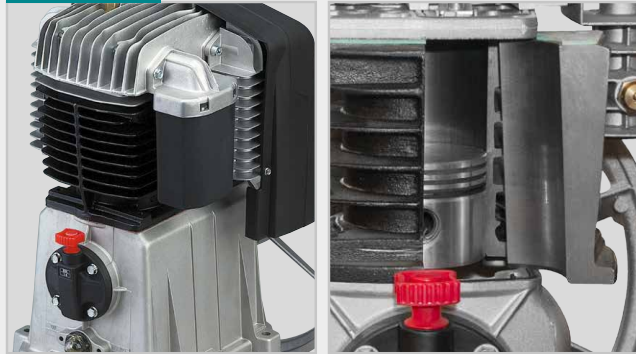
HDS

BX model



COMPACT-AIR BX 330 OF PRO and AIRCAR BX 330 OF PRO
on p. 30

HOS



High-performance- oil lubricating-system (HOS)

- ▶ The precision-manufactured piston has a high-alloyed piston ring, an oil scraper ring and oil spreader ring which provide a seal to the cylinder wall
- ▶ The crankcase is filled with oil which is sprayed against the cylinder wall with each piston stroke
- ▶ The oil scraper ring cleans the oil-wetted cylinder wall in downward direction

“HOS” lubricating system benefits

- ▶ Optimum lubrication and an optimum seal at the same time
- ▶ Long service life and excellent reliability
- ▶ Low maintenance
- ▶ Ideal for professional applications with high air flow rates

HOS



MOBILBOY Series
on p.22



AIRSTAR Series
starting on p. 38



AIRPROFI V Series
starting on p.48

Mobile entry-level class



New

New

New

series - portable compressors for more flexible daily use

- ▶ E-models: ideal entry-level air compressors in building and trades
- ▶ PRO models and KITT 90: ideal for deployment in demanding building and trade applications
- ▶ Quality electric motors with powerful torque
- ▶ Equipped with motor soft-start and motor protection switch
- ▶ Fully automatic On/Off operation
- ▶ Switch and fittings perfectly protected by tubular frame
- ▶ Powder coated compressed air vessels
- ▶ Rubberised carrier handle prevents slipping



AIRBOY Silence 50 PRO

- ▶ Optimised for a low volume applications such as, e.g., airbrushing work
- ▶ Extremely quiet operation due to the encapsulated design - only 43 dB(A), and thus trouble-free use, e.g., in apartments, offices, etc.
- ▶ The working pressure is infinitely variable via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate



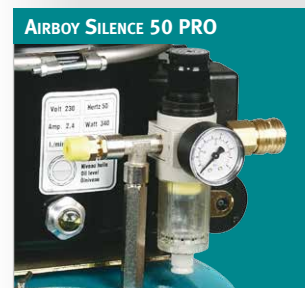
AIRBOY KITT 90

- ▶ Ultra-slow runner - thus reducing vibrations and extending the service life of the compressor components
- ▶ Ten-year warranty on the pressure vessel against corrosion perforation
- ▶ Vibration-damping rubber feet



AIRBOY 261 E

- ▶ Automatic pressure switch
- ▶ Ideal entry-level model
- ▶ Single-handed quick-release coupling
- ▶ Vibration-damping rubber feet



Premium filter pressure regulator for continuous adjustment of the working pressure, with simultaneous dirt, oil and condensate separation



Figure shows the AIRBOY KITT 90

- 1 Includes a pressure regulator for continuous adjustability of the desired working pressure
- 2 Two pressure gauges indicate the tank and working pressure
 - Switch and fittings perfectly protected by tubular frame
 - AIRBOY KITT 90 with ten-year warranty against corrosion perforation of the vessel
- 3 Equipped with an automatic pressure switch
- 4 AIRBOY KITT 90 with premium single-hand quick coupling as standard
 - AIRBOY 261 E with single-hand quick coupling

Model	AIRBOY SILENCE 50 PRO	AIRBOY KITT 90	AIRBOY 261 E
Art. no.	2000100	2001237	2001245
Compressor system*	encapsulated	HOS	HOS
Highest flow rate	50 l/min	85 l/min	260 l/min
Fill capacity approx.	33 l/min	49 l/min	170 l/min
Maximum pressure	8 bar	15 bar	10 bar
Pressure vessel capacity	9 l	2.4 l	2.4 l
Cylinders/stages	1/1	1/1	1/1
Speed	2900 rpm	1420 rpm	2850 rpm
Motor output	340 W/230 V	0.6 kW/ 230 V	1.8 kW/ 230 V
Weight	21 kg	21 kg	22 kg
Dimensions (L x W x H)	320 x 320 x 480 mm	510 x 270 x 400 mm	510 x 270 x 400 mm
Sound power level L_{WA} **	43 dB(A)	85 dB(A)	97 dB(A)

*For a description of the compressor systems refer to p. 20 **Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

Special oil for Airboy Silence 50 Pro

Type	Art. no.
RoilOil Simco 32 E (1 can 5 l)	2500014

Mobile compressors

HANDY E / MOBILBOY E / AIRBOY E series - Handy products for domestic and DIY use at up to 10 bar

MOBILBOY series – mobile compressors for trade applications

- ▶ Universally deployable in domestic and DIY use, all compressors in the MOBILBOY Series also for on-site applications
- ▶ Fully automatic On/Off operation
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ One pressure gauge each for displaying the vessel and working pressure
- ▶ Powder coated compressed air vessels
- ▶ Plastic wheels at rear
- ▶ Rubber foot or rubber suction pads at front
- ▶ Mains cable length 1.8 m



AIRBOY Silence 40 OF PRO Oil-free!

- ▶ Optimised for a low volume applications
- ▶ Oil-free piston compressor; removes the need for oil changes and avoids oil in the condensate
- ▶ Single-handed quick-release coupling
- ▶ Pressure regulator
- ▶ Vibration-damping rubber feet



AIRBOY 186 OF E Oil-free!

- ▶ Easy to use and carry
- ▶ Oil-free piston compressor; removes the need for oil changes and avoids oil in the condensate
- ▶ Single-handed quick-release coupling
- ▶ Pressure regulator
- ▶ Vibration-damping rubber feet



AIRBOY 206 OF E Oil-free!

- ▶ Oil-free piston compressor; removes the need for oil changes and avoids oil in the condensate
- ▶ Single-handed quick-release coupling
- ▶ Pressure regulator
- ▶ Vibration-damping rubber feet



HANDY 201 OF E Oil-free!

With oil-free WDS compressor*
No oil change required



MOBILBOY 221/24 OF E Oil-free!

With oil-free WDS compressor*
No oil change required



MOBILBOY 241/24 E

• Equipped with pressure regulator, single-handed, quick-action coupling and automatic pressure switch as factory standard



MOBILBOY 241/50 E

• Equipped with pressure regulator, single-handed, quick-action coupling and automatic pressure switch as factory standard

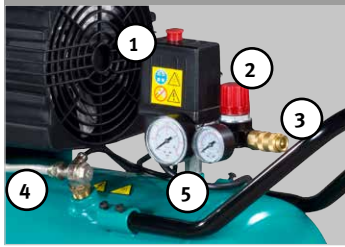
Model	AIRBOY SILENCE 40 OF PRO	AIRBOY 186 OF E	AIRBOY 206 OF E	HANDY 201 OF E	MOBILBOY 221/24 OF E	MOBILBOY 241/24 E	MOBILBOY 41/50 E
Art. no.	2000080	2001230	2001235	2001210	2002222	2002241	2002250

Technical Data

Compressor system*	WDS	WDS	WDS	WDS	WDS	HOS	HOS
Highest flow rate	41 l/min	180 l/min	180 l/min	179 l/min	200 l/min	200 l/min	200 l/min
Fill capacity approx.	24 l/min	90 l/min	90 l/min	110 l/min	110 l/min	102 l/min	102 l/min
Maximum pressure	10 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar
Pressure vessel capacity	4 l	6 l	6 l	6 l	24 l	24 l	50 l
Cylinders/stages	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Speed	2850 rpm	3400 rpm	3400 rpm	2850 rpm	2850 rpm	2850 rpm	2850 rpm
Motor output	250 W / 230 V	1.1 kW/ 230 V	1.1 kW/ 230 V	1.1 kW/ 230 V	1.5 kW/ 230 V	1.5 kW/ 230 V	1.5 kW/ 230 V
Weight	10.2 kg	9.2 kg	9 kg	11.5 kg	24 kg	22.5 kg	29.3 kg
Dimensions (L x W x H) in mm	370 x 310 x 300	315 x 355 x 370	385 x 170 x 465	330 x 255 x 500	570 x 255 x 590	570 x 255 x 590	790 x 310 x 670
Sound power level L _{WA} **	72 dB(A)	97 dB(A)	97 dB(A)	91 dB(A)	94 dB(A)	93 dB(A)	93 dB(A)

*For a description of the compressor systems refer to page 20 **Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

**MOBILBOY 301/24 E and
MOBILBOY 311/50 E equipment:**



- ① Automatic pressure switch
- ② Pressure regulator for continuous adjustment of the working pressure
- ③ One single-handed, quick-action coupling
- ④ Aluminium compressed air line
- ⑤ One pressure gauge each for displaying the vessel and working pressure

**MOBILBOY 301/24 F and
MOBILBOY 311/50 F equipment:**



- ① High quality CONDOR quality pressure switch
- ② High quality filter pressure regulator
- ③ High quality single-handed, quick-action coupling
- ④ Copper compressed air line
- ⑤ 10-year guarantee on the vessel against corrosion perforation
- ⑥ One pressure gauge each for displaying the vessel and working pressure



MOBILBOY 301/24 E



MOBILBOY 311/50 E

- With 50 l compressed air vessel



MOBILBOY 361/50 E

- With twin-cylinder V motor and single-stage compression
- With 50 l compressed air vessel



MOBILBOY 301/24 F

- With 24 l compressed air vessel



MOBILBOY 311/50 F

- With 50 l compressed air vessel

Overview of differences between E-models and standard models

E-models	Standard	
✓		Pressure regulator
	✓	Quality filter pressure regulator
✓		Automatic pressure switch
	✓	Automatic CONDOR pressure switch
✓	✓	Pressure gauge for displaying the vessel and working pressure
✓		Single-handed quick-release coupling
	✓	Premium single-handed, quick-action coupling
✓		Aluminium compressed air lines
	✓	Copper compressed air lines
	✓	10-year guarantee on the vessel against corrosion perforation

Model	MOBILBOY 301/24 E	MOBILBOY 311/50 E	MOBILBOY 361/50 E	MOBILBOY 301/24 F	MOBILBOY 311/50 F
Art. no.	2003326	2003331	2003650	2003325	2003330

Technical Data

Compressor system*	HOS	HOS	HOS	HOS	HOS
Highest flow rate	260 l/min	284 l/min	356 l/min	260 l/min	284 l/min
Fill capacity approx.	170 l/min	190 l/min	215 l/min	170 l/min	190 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	24 l	50 l	50 l	24 l	50 l
Cylinders/stages	1/1	1/1	2/1	1/1	1/1
Speed	2850 rpm	2850 rpm	2850 rpm	2850 rpm	2850 rpm
Motor output	1.8 kW/ 230 V	2.2 kW/ 230 V	2.2 kW/ 230 V	1.8 kW/ 230 V	2.2 kW/ 230 V
Weight	26 kg	36.5 kg	38 kg	26 kg	36.5 kg
Dimensions (L x W x H) in mm	580 x 310 x 615	870 x 350 x 700	870 x 350 x 700	580 x 310 x 615	870 x 350 x 700
Sound power level L _{WA} **	97 dB(A)	97 dB(A)	97 dB(A)	97 dB(A)	97 dB(A)

*For a description of the compressor systems refer to page 20 **Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)



COMPACT-AIR Series - The handy universal compressors for occasional on-site applications

- Universally deployable in occasional building applications and DIY
- Quality electric motors with high torque and motor starting current limiter to avoid start-up problems
- Electric motor equipped with soft-start and motor protection switch
- Fully automatic On/Off operation
- Equipped with all safety devices
- Good protection of all parts exposed to risk during transportation
- Complete maintenance block on inside
- Powder coated compressed air vessels
- Rubberised carrier handle prevents slipping during transportation
- Additional carrying handle allows convenient two-handed carrying of the compressor

COMPACT-AIR E-models features:

- Pressure regulator for continuously variable setting of the desired working pressure
- Automatic pressure switch
- One pressure gauge each for displaying the vessel and working pressure
- Single-handed quick-release coupling
- Aluminium compressed air lines
- Highly attractive pricing



COMPACT-AIR 221/10 E

- Including standard pressure regulator and quick coupling



COMPACT-AIR 265/10 E

- Including standard pressure regulator and quick coupling

COMPACT-AIR E-models



- ① **Pressure regulator** for continuously variable setting of the desired working pressure
- ② **One pressure gauge** each for displaying the vessel and working pressure
- ③ **One single-handed, quick-action coupling**
- ④ **Automatic pressure switch**



Model	COMPACT-AIR 221/10 E	COMPACT-AIR 265/10 E
Art. no.	2005220	2005261
Technical Data		
Compressor system*	HOS	HOS
Highest flow rate	185 l/min	250 l/min
Fill capacity approx.	120 l/min	155 l/min
Maximum pressure	8 bar	10 bar
Pressure vessel capacity	10 l	10 l
Cylinders/stages	1/1	1/1
Speed	2850 rpm	2850 rpm
Motor output	1.5 kW/ 230 V	1.5 kW/ 230 V
Weight	18 kg	22 kg
Dimensions (L x W x H) in mm	410 x 340 x 650	395 x 320 x 630
Sound power level L_{WA} **	94 dB(A)	96 dB(A)

*For a description of the compressor systems refer to page 18 **Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

Mobile compressors COMPACT-AIR

COMPACT-AIR Series - the handy, universal compact-design compressor for on-site building and trade applications and DIY

Control panel

- ▶ The ergonomically situated control panel is clearly structured and self-explanatory
- ▶ One pressure gauge each for displaying the vessel and working pressure
- ▶ Includes a pressure regulator for continuous adjustability of the desired working pressure
- ▶ With two take-off points for compressed air
- ▶ Equipped with **premium quick-action couplings** as a factory standard*



Warranty

- ▶ Ten-year warranty on the pressure vessel against corrosion perforation (only applies to the COMPACT-AIR 311/20 and 321/20)

Motor

- ▶ Quality electric motors with powerful torque
- ▶ Motor starting current limiter to avoid start-up problems
- ▶ Electric motor equipped with soft-start and motor protection switch

Wheels

- ▶ The large stable wheels and the broad wheelbase provide for safe and comfortable transportation even on uneven surfaces



Fig. COMPACT-AIR 311/20

Protection function

- ▶ Compressor in protected hand cart construction
- ▶ The tubular frame provides optimal protection against damage to fittings.

Copper compressed air line

Maintenance block

- ▶ Equipped as a factory standard with a premium **CONDOR pressure switch***
- ▶ The on/off switch is protected and easily accessible
- ▶ Equipped with a quality filter for dirt, oil and condensate separation*

Handle

- ▶ Rubberised carrying handle as factory standard, prevents slipping during transportation

High-performance HOS unit

- ▶ The precision-machined piston has a high-alloyed piston ring, an oil scraper ring and oil spreader ring which provide a seal to the cylinder wall
- ▶ The crankcase is filled with oil which is sprayed against the cylinder wall with each piston stroke
- ▶ The oil scraper ring cleans the oil-wetted cylinder wall in downward direction



Fig. COMPACT-AIR 321/20

Compact design for convenient transportation. Perfectly suited for on-site applications thanks to all-round protection.

- ▶ Quality electric motors with high torque and motor starting current limiter to avoid start-up problems
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Fully automatic On/Off operation
- ▶ Good protection of all parts exposed to risk during transportation
- ▶ Rubberised carrier handle prevents slipping
- ▶ Equipped with all safety devices
- ▶ Compact design for convenient transportation.
- ▶ Perfectly suited for on-site applications thanks to all-round protection

Overview of differences between E-models and standard models

E-models	Standard	
✓		Automatic pressure switch
	✓	Automatic CONDOR pressure switch
✓	✓	Pressure gauge for displaying the vessel and working pressure
	✓	Water separator
✓		Two single-handed quick-action couplings
	✓	Two premium, single-handed quick-action couplings
✓		Aluminium compressed air lines
	✓	Copper compressed air lines
	✓	10-year guarantee on the vessel against corrosion perforation



COMPACT-AIR 311/20 E

- ▶ For occasional on-site applications



COMPACT-AIR 311/20

- ▶ Premium model with more features than otherwise identical model COMPACT-AIR 311/20 E
- ▶ For on-site applications in building and trades



COMPACT-AIR 361/20 E

- ▶ With twin-cylinder V motor and single-stage compression
- ▶ For occasional on-site applications



COMPACT-AIR 321/20

- ▶ The low speed of 1420 rpm reduces vibration and guarantees a longer service life of the twin-cylinder V motor.
- ▶ For on-site applications in building and trades

Model	Compact-Air 311/20 E	Compact-Air 361/20 E	-
Art. no.	2005291	2005361	-
Model	COMPACT-AIR 311/20	-	COMPACT-AIR 321/20
Art. no.	2005290	-	2005300
Technical Data	HOS	HOS	HOS
Compressor system*			
Intake capacity	284 l/min	356 l/min	310 l/min
Fill capacity approx.	190 l/min	215 l/min	240 l/min
Maximum pressure	10 bar	10 bar	10 bar
Pressure vessel capacity	20 l	20 l	20 l
Cylinders/stages	1 / 1	2 / 1	2 / 1
Speed	2850 rpm	2850 rpm	1420 rpm
Motor output	2.2 kW/ 230 V	2.2 kW/ 230 V	2.2 kW/ 230 V
Weight	33.5 kg	37 kg	39.5 kg
Dimensions (L x W x H) in mm	470 x 490 x 720	470 x 490 x 720	470 x 490 x 720
Sound power level**	97 dB(A)	97 dB(A)	96 dB(A)

* For a description of the compressor systems refer to page 20 ** Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

Mobile compressors PRO

BX PRO Series - the high-performance on-site compressor with patented, oil-free compressor system and professional features for builders and other trades

Pressure regulator

- ▶ The working pressure is continuously variable via the standard pressure regulator

Operation

- ▶ Equipped as a factory standard with a premium **CONDOR pressure switch**
- ▶ The on/off switch is protected and easily accessible
- ▶ One pressure gauge each for displaying the vessel and working pressure

Chassis

- ▶ The large stable wheels and the broad wheelbase provide for safe and comfortable transportation even on uneven surfaces such as staircases

Compressed air take-off

- ▶ One take-off point for compressed air
- ▶ Equipped with premium quick-action couplings as a factory standard



Base

- ▶ There are no fittings or switches in the base area that could suffer damage when tilting or transporting the compressor

Fig. COMPACT-AIR BX 330 OF PRO

Tray

- ▶ Practical for daily use as a tray for tools, plans, etc. and to provide protection against damage from above

Operation

- ▶ Equipped as a factory standard with a premium **CONDOR pressure switch**
- ▶ The control panel is clearly structured and self-explanatory.
- ▶ One pressure gauge each for displaying the vessel and working pressure
- ▶ Two compressed air take-off points
- ▶ Equipped with **premium quick-action couplings as a factory standard**
- ▶ On/off switch is protected from the top and easily accessible

Oil-free!

HDS - High performance continuous lubricating system

- ▶ Developed for demanding, continuous use wherever oil-free and clean compressed air is required



Premium compressed air vessel

- ▶ Powder-coated vessel, ten-year warranty against rust perforation

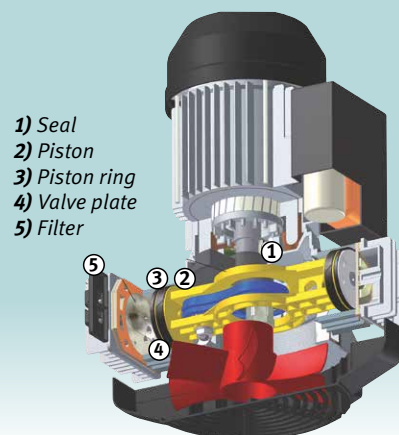
Fig. AIRCAR BX 330 OF PRO

BX series - the high-performance, low maintenance on-site air compressor with patented, oil-free compressor system and professional features for builders and other trades

- ▶ Ideal for builders and trades for on-site use - universally deployable for installation work and in workshops
- ▶ **With an oil-free compressor** allowing best quality of work and a long service life of compressed air tools
- ▶ The unique form factor allows the use of compressed air tools with high air supply requirements despite the low start-up current
- ▶ **Designed for the continuous operation**; the compressor can run for extended periods of time without overheating
- ▶ Smooth action and low speed guarantee really low operating noise and a long compressor service life
- ▶ **Low maintenance**
- ▶ Premium electric motor with high torque and motor starting current limiter to avoid start-up problems
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Fully automatic On/Off operation
- ▶ Equipped with all safety devices
- ▶ **With premium quick-action couplings and a premium CONDOR pressure switch**
- ▶ **Specially designed for work areas where it is necessary to work with clean air or at low temperatures**
- ▶ The large stable wheels and the broad wheelbase provide for safe and comfortable transportation
- ▶ Lightweight for easy transportation

Patented technology!

- ▶ The pistons move axially in special ceramic coated aluminium cylinder, like in a flat engine.
- ▶ This drastically reduces the wear on the seals.
- ▶ This removes the need for the frequent and expensive maintenance that has to be performed on legacy dry compressors.
- ▶ Designed for continuous operation



COMPACT-AIR BX 240 SILENT/COMPACT-AIR BX 330 OF PRO

- ▶ Two identical models
- ▶ With pressure regulator, premium CONDOR pressure switch
- ▶ one pressure gauge each for the vessel pressure and preset pressure
- ▶ With one premium single-handed quick coupling as standard



AIRCAR BX 330 OF PRO

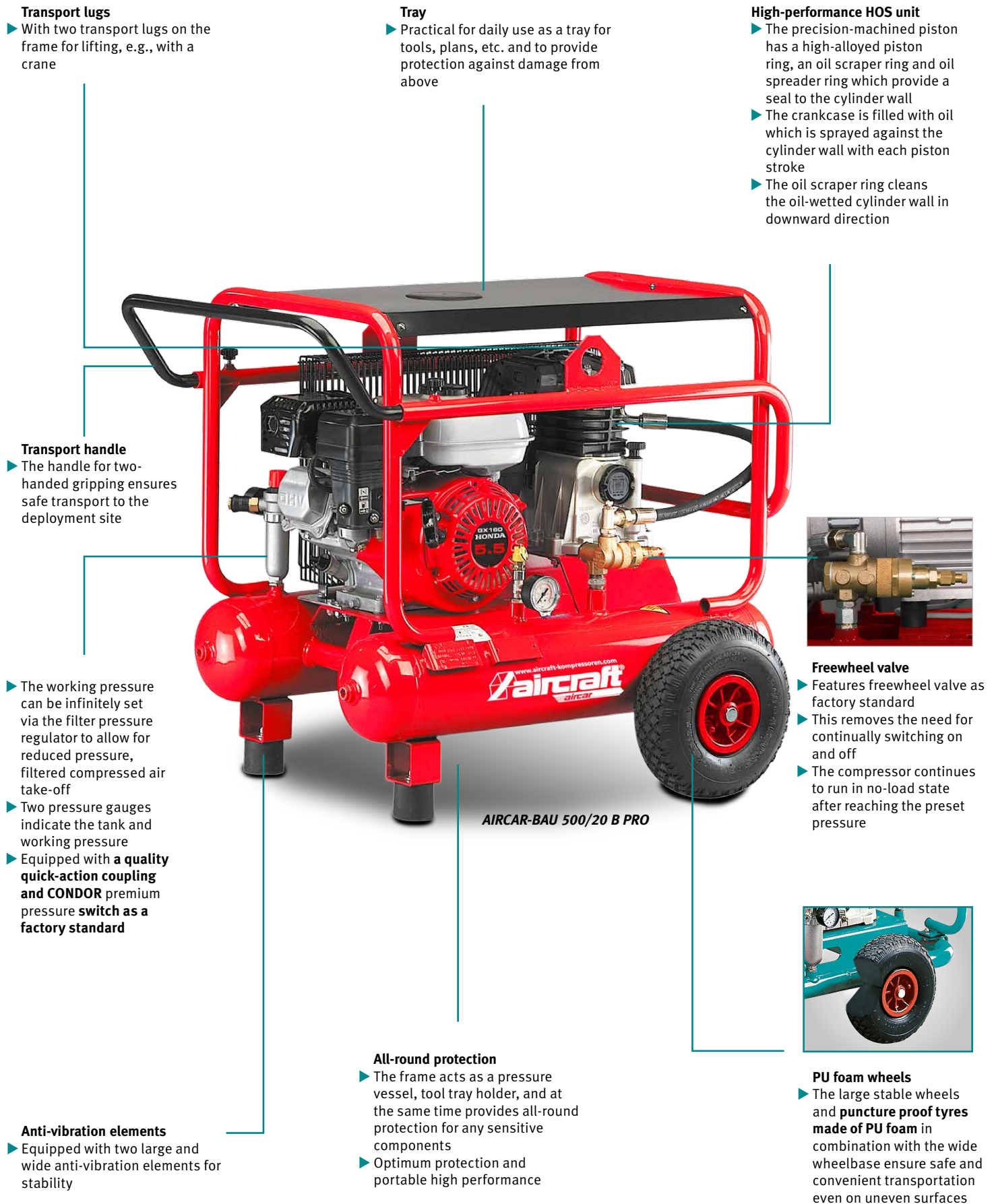
- ▶ Equipments as per Compact-Air BX 330 OF PRO
- ▶ With two premium single-handed quick couplings as standard
- ▶ Close frame design, thus optimal protection for motor and maintenance block

Model	COMPACT-AIR BX 240 SILENT	COMPACT-AIR BX 330 OF PRO	AIRCAR BX 330 OF PRO
Art. no.	2005310	2005301	2005400
Technical Data			
Compressor system*	HDS	HDS	HDS
Highest flow rate	240 l/min	330 l/min	330 l/min
Fill capacity approx.	150 l/min	200 l/min	200 l/min
Maximum pressure	10 bar	10 bar	10 bar
Pressure vessel capacity	24 l	24 l	2 x 10 l
Cylinders/stages	2/1	2/1	2/1
Speed	1400 rpm	1400 rpm	1400 rpm
Motor output	1.5 kW / 230 V	1.7 kW / 230 V	1.7 kW / 230 V
Weight	34 kg	36 kg	43 kg
Dimensions (L x W x H) in mm	500 x 560 x 810	500 x 560 x 810	670 x 545 x 570
Sound pressure level L _{PA} **	65 dB(A)	80 dB(A)	78 dB(A)
Sound power level L _{WA} ***	78 dB(A)	96 dB(A)	96 dB(A)

* For a description of the compressor systems refer to page 18 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13 *** Sound power level as per DIN EN ISO 3744 (RL 2000/14/EC)

Mobile compressors PRO

AIRBAU/AIRCAR-BAU - Compressor with internal combustion engine for up to 14 bar operating pressure for work environments without a power supply



AIRBAU/AIRCAR-BAU - for use in gardening and landscape gardening, for mobile tyre and breakdown recovery services and in agriculture and forestry

- ▶ Single cylinder/4-stroke engine by Honda for power-supply independent operation.
- ▶ Independent of a power supply and thus perfectly suited for gardening and landscape gardening, for mobile tyre and breakdown recovery services and in agriculture and forestry
- ▶ With idle speed and speed control to adjust to load states
- ▶ The high-performance grey cast iron engine and the low speed guarantee smooth action and a long compressor service life
- ▶ The large impeller and a cooling air duct ensure optimum cooling of the compressor
- ▶ Stable metal belt guard grille
- ▶ A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air
- ▶ Equipped with all safety devices
- ▶ Ten-year warranty on the pressure vessel against corrosion perforation



AIRBAU 652/100 B PRO

- ▶ Features a 100-litre compressed air vessel
- ▶ Perfectly suited for use in breakdown recovery vehicles due to its very narrow form factor



AIRCAR-BAU 500/20 B PRO

- ▶ With transport lugs on the frame for lifting
- ▶ The form factor, the puncture-proof PU foam tyres and the transport handles ensure easy transportation to the deployment site

Model	AIRBAU 652/100 B PRO	Aircar-BAU 500/20 B PRO
Art. no.	2006530	2005500
Technical Data		
Compressor system*	HOS	HOS
Highest flow rate	642 l/min	365 l/min
Fill capacity approx.	480 l/min	285 l/min
Maximum pressure	14 bar	10 bar
Pressure vessel capacity	100 l	20 l
Cylinders/stages	2/2	2/1
Speed	950 rpm	1375 rpm
Motor output	6.6 kW	4 kW
Drive	Single-cylinder/4-stroke engine	Single-cylinder/4-stroke engine
Weight	121 kg	72 kg
Dimensions (L x W x H) in mm	1050 x 500 x 1060	750 x 700 x 950
Sound power level**	99 dB(A)	97 dB(A)

* Description of compressor system see page 20

** Sound power level as per DIN EN ISO 3744 (RL 2000/14/EC)

Freewheel valve for less wear

- ▶ The freewheel valve avoids continuous switching on and off
- ▶ After reaching the preset pressure, the valve opens and the compressor continues to run in depressurised state
- ▶ When the pressure drops, the valve shuts-off and the compressor builds up pressure again



AIRPROFI Series/AIRSTAR Series

Our tip!

Only compress to the level you really need; after all one “bar” more will cost 6-8% more energy.

Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.



AIRSTAR E



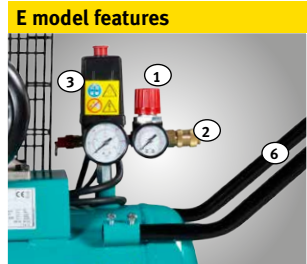
AIRSTAR 503/50



AIRPROFI

AIRSTAR E series - compressors for home and DIY with a proven belt-driven and twin-cylinder, high-performance grey cast iron motor.

- ▶ Twin-cylinder high-performance grey cast iron motor for a long service life
- ▶ Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air.
- ▶ Stable metal belt guard grille
- ▶ A start-up capacitor and start-up relief valve ensure a soft start for 230 volt models
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ The pressure vessel is equipped with a safety valve, vessel pressure gauge and a condensate drain valve
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect



- E model features**
- ① **Pressure regulator** for continuously variable setting of the desired working pressure
 - One pressure gauge each for displaying the vessel and working pressure
 - ② Easy **single-handed, quick-action coupling**
 - ③ Automatic **pressure switch**
 - ④ Plastic wheels at rear
 - ⑤ Rubber suction feet at front
 - ⑥ Simple handle design
Similar to detailed illustration



AIRSTAR 321/50 E


























AIRSTAR 401/50 E
AIRSTAR 403/50 E

Model	AIRSTAR 321/50 E	AIRSTAR 401/50 E	AIRSTAR 403/50 E
Art. no.	2008312	2009413	2009433
Technical Data			
Compressor system*	HOS	HOS	HOS
Highest flow rate	235 l/min	365 l/min	365 l/min
Fill capacity approx.	185 l/min	266 l/min	266 l/min
Maximum pressure	10 bar	10 bar	10 bar
Pressure vessel capacity	50 l	50 l	50 l
Cylinders/stages	2/1	2/1	2/1
Speed	1040 rpm	1375 rpm	1375 rpm
Motor output	1.5 kW / 230 V	2.2 kW / 230 V	2.2 kW / 400 V
Weight	48.5/kg	57.5/kg	57.5/kg
Dimensions (L x W x H) in mm	870 x 400 x 700	870 x 400 x 700	870 x 400 x 700
Sound power level**	92 dB(A)	94 dB(A)	94 dB(A)

* For a description of the compressor systems refer to page 20 ** Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

Features AIRSTAR E / AIRSTAR / AIRPROFI at a glance

Arguments that speak for themselves.		AIRSTAR E Series	AIRSTAR Series	AIRPROFI Series
	<ul style="list-style-type: none"> Automatic pressure switch 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> High quality MDR CONDOR pressure switch Fully automatic On/Off operation 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> Power connection cable with plug For easy manual inversion of the sense of rotation 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> Simple transport handle 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Ergonomic transport handle with rubber grip 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> Extended ergonomic transport handle with rubber grip 			<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> Pressure regulator 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Filter pressure regulator 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> Filter pressure regulator with oil mist lubricator 			<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> Single-handed quick-release coupling 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Premium, single-handed quick-action couplings 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> Single-handed quick-action safety couplings as per DIN EN 983 			<input checked="" type="checkbox"/>

	Arguments that speak for themselves.	AIRSTAR E Series	AIRSTAR Series	AIRPROFI Series
	<ul style="list-style-type: none"> • Two compressed air take-off points for filtered compressed air 			<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Third compressed air take-off point via direct outlet with ball valve on the vessel 			<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Toothed drive belt • Large impeller and one cooling air baffle 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Twin-cylinder high-performance motor in grey cast iron and low speed with HOS compressor 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Flexible armoured hose with heat protection 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Powder coated • Ten-year guarantee against corrosion perforation 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> • Hot-dip galvanised vessel on interior and exterior • 15-year guarantee against corrosion perforation 			<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • With two plastic wheels at the back an two damping elements at the front 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> • Rugged steering chassis with parking brake • PU foam tyres 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Features a practical transport handle on the pressure vessel 		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<ul style="list-style-type: none"> • Ball valve 3/8 inch female for draining condensate 			<input checked="" type="checkbox"/>

AIRSTAR Series

Robust quality in trade and demanding DIY applications.



- Maintenance block with fixed screw connectors and filter pressure regulator
- Two large pressure gauges for displaying the vessel and working pressure



- With premium, single-handed quick-action couplings



- Toothed drive belt



- Corrosion-free valve plates



- **HOS**
Twin-cylinder high-performance motor in grey cast iron and low speed
Re-cooler with large cooling fins



- **MDR CONDOR** pressure switch - fully-automated On/Off operation

- Transport handle with rubber grip

- Large impeller and one cooling air baffle on the cylinder Stable metal belt guard grille



- Transport handle on the pressure vessel
- Flexible armoured hose with heat protection
- Start-up relief valve



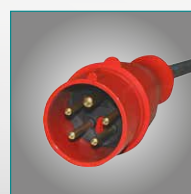
- Powder coated
The AIRSTAR Series comes with a **10-year** guarantee against corrosion perforation on the pressure vessel



- Steering chassis with parking brake



- Puncture-proof **PU foam** wheels



- 400 Volt models with phase changer

- **Quality electric motor** with high torque, equipped with motor protection switch

- 400 volts models equipped with phase inverter for easy manual inversion of the sense of rotation

Maximum equipment level, best quality and an attractive price!



- Maintenance block with fixed screw connectors and filter pressure regulator
- Two compressed air take-off points
- Two large pressure gauges for displaying the vessel and working pressure



- Equipped with single-handed quick-action safety couplings as per DIN EN 983



- Toothed drive belt



- Corrosion-free valve plates



- **HOS**
Twin-cylinder high-performance motor in grey cast iron and low speed Re-cooler with large cooling fins



- **MDR CONDOR** pressure switch - fully-automated On/Off operation

- Ergonomically extended handle with rubberised grip

- Third compressed air take-off point via direct outlet with ball valve on the vessel



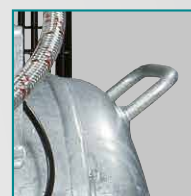
- Compressed air vessel hot-dip galvanised inside and out as standard
- The AIRPROFI series comes with a **15-year guarantee against corrosion perforation** on the pressure vessel



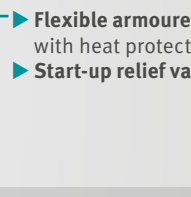
- Steering chassis with parking brake



- 400 Volt models with phase changer



- Transport handle on the pressure vessel



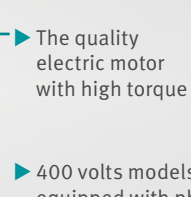
- Flexible armoured hose with heat protection
- Start-up relief valve



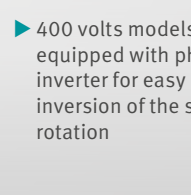
- Puncture-proof PU foam wheels



- Ball valve installed as standard 3/8 inch female



- The quality electric motor with high torque



- 400 volts models equipped with phase inverter for easy manual inversion of the sense of rotation

AIRSTAR series - rugged compressors for building and other trades with a proven belt-driven and twin-cylinder, high-performance grey cast iron motor, and professional accessories.

- ▶ Twin-cylinder high-performance grey cast iron motor for a long service life
- ▶ Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air.
- ▶ Stable metal belt guard grille
- ▶ A start-up capacitor and start-up relief valve ensure a soft start for 230 volt models
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ Pressure vessel equipped with a safety valve, vessel pressure gauge and a condensate drain valve
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect
- ▶ Filter pressure regulator with a pressure gauge for controlled condensate-, dirt- and oil-free compressed air; second pressure gauge for the pressure vessel pressure.
- ▶ Powder-coated pressure vessel, ten-year warranty on the pressure vessel against corrosion perforation
- ▶ With premium quick-action couplings and a premium **CONDOR** pressure switch
- ▶ With a **flexible**, heat protected **armoured hose** for a long service life, as vibration breaks are ruled out
- ▶ Including an ergonomic handle, rubberised grip and transport handle on the pressure vessel for convenient transportation
- ▶ With a stable **steering chassis and parking brake in combination with large puncture-proof wheels** for convenient transportation



AIRSTAR 401/50
AIRSTAR 403/50



AIRSTAR 503/50



AIRSTAR 503/100

Model	AIRSTAR 401/50	AIRSTAR 403/50	AIRSTAR 503/50	AIRSTAR 503/100
Art. no.	2009410	2009430	2009530	2009531
Technical Data				
Compressor system*	HOS	HOS	HOS	HOS
Highest flow rate	365 l/min	390 l/min	510 l/min	510 l/min
Fill capacity approx.	266 l/min	285 l/min	400 l/min	400 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	50 l	50 l	50 l	100 l
Cylinders/stages	2/1	2/1	2/1	2/1
Speed	1360 rpm	1470 rpm	1310 rpm	1310 rpm
Motor output	2.2 kW/ 230 V	2.2 kW/ 400 V	3 kW/ 400 V	3 kW/ 400 V
Weight	57.5 kg	57.5 kg	65 kg	75 kg
Dimensions (L x W x H) in mm	860 x 440 x 800	860 x 440 x 800	860 x 440 x 880	1125 x 480 x 925
Sound power level**	96 dB(A)	96 dB(A)	94 dB(A)	94 dB(A)

* For a description of the compressor systems refer to page 20 ** Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

AIRSTAR 703/853 - two-stage compression

- ▶ The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- ▶ This ensures an even longer service life by reducing wear
- ▶ Equipped with an intermediate cooler in addition to the re-cooler



AIRSTAR 703/100



AIRSTAR 853/200

On
200 l
vessel



Mobile AIRSTAR features

The working pressure can be infinitely set via the pressure regulator to allow for reduced pressure compressed air take-off

- Two pressure gauges indicate the tank and working pressure
- With filter pressure regulator
- Equipped with **quality quick couplings** and a premium **CONDOR pressure switch** as standard



- A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air.
- This is gentle on the connected compressed air tools.



- Puncture-proof tyres filled with PU foam instead of air
- Avoiding flat tyres without compromising convenience



- Rugged steering chassis with parking brake

Model	AIRSTAR 703/100	AIRSTAR 853/100	AIRSTAR 853/200
Art. no.	2009731	2009831	2009832

Technical Data			
Compressor system*	HOS	HOS	HOS
Highest flow rate	650 l/min	850 l/min	850 l/min
Fill capacity approx.	520 l/min	680 l/min	680 l/min
Maximum pressure	10 bar	10 bar	10 bar
Pressure vessel capacity	100 l	100 l	200 l
Cylinders/stages	2/2	2/2	2/2
Speed	950 rpm	1240 rpm	1240 rpm
Motor output	4 kW/ 400 V	5.5 kW*** / 400 V	5.5 kW*** / 400 V
Weight	99 kg	112 kg	153 kg
Dimensions (L x W x H) in mm	1,125 x 480 x 1015	1,125 x 480 x 1,015	1,190 x 680 x 1,150
Sound power level **	93 dB(A)	95 dB(A)	95 dB(A)

* For a description of the compressor systems refer to page 18 ** Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

*** For compressors with a motor output of 5.5 kW, please observe your local electricity utility's rules; the use of a star-delta switch may be required in some areas

AIRPROFI Series - single-stage and two-stage

AIRPROFI Series - Professional compressors with a twin-cylinder, high-performance grey cast iron motor and a maximum equipment level

- ▶ The high-performance grey cast iron motor and the low speed guarantee smooth action and a long compressor service life
- ▶ A re-cooler with large cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air
- ▶ The large fan wheel and a cooling air baffle on the cylinder provide for optimum cooling of the compressor
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ A start-up capacitor and start-up relief valve ensure a smooth start-up
- ▶ 400 volt models are equipped with a phase inverter as a factory standard for easy manual changing of the direction of rotation
- ▶ Flexible armoured hose with heat protection avoids vibration fractures.
- ▶ The toothed drive belt facilitates starting.
- ▶ Stable metal belt guard grille
- ▶ Fully automatic On/Off operation
- ▶ Extended handle with rubber grip
- ▶ Puncture-resistant PU foam wheels and a sturdy steering chassis with parking brake enable easy transport, as the compressor does not need to be lifted during transport.
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ **With premium quick-action couplings and a premium CONDOR pressure switch**
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect



AIRPROFI 401/50
AIRPROFI 403/50



AIRPROFI 503/50



AIRPROFI 503/100

Model	AIRPROFI 401/50	AIRPROFI 403/50	AIRPROFI 503/50	AIRPROFI 503/100
Art. no.	2018410	2018430	2018530	2018531
Technical Data				
Compressor system*	HOS	HOS	HOS	HOS
Highest flow rate	365 l/min	390 l/min	510 l/min	510 l/min
Fill capacity approx.	266 l/min	285 l/min	400 l/min	400 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	50 l	50 l	50 l	100 l
Cylinders/stages	2/1	2/1	2/1	2/1
Speed	1360 rpm	1470 rpm	1310 rpm	1310 rpm
Motor output	2.2 kW/ 230 V	2.2 kW/ 400 V	3 kW/ 400 V	3 kW/ 400 V
Weight	56 kg	56 kg	66 kg	76 kg
Dimensions (L x W x H) in mm	810 x 430 x 790	810 x 430 x 790	860 x 440 x 880	1,275 x 480 x 925
Sound pressure level L _{WA} **	96 dB(A)	96 dB(A)	95 dB(A)	93 dB(A)

* For a description of the compressor systems refer to page 20 ** Sound power level as per DIN EN ISO 3744 (RL 2000/14/EC)

AIRPROFI 703/853 - two-stage compression

► The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action

► This ensures an even longer service life by reducing wear
► Equipped with an intermediate cooler in addition to the re-cooler



AIRPROFI 703/75/13



AIRPROFI 703/100



AIRPROFI 853/200

AIRCRAFT is the first manufacturer to use **convenient safety couplings**



One-handed safety couplings

- Two separate locking systems for maximum working safety
- Avoiding hose line backlash



- Premium filter pressure regulator for continuous adjustment of the working pressure, with simultaneous dirt, oil and condensate separation
- Two pressure gauges indicate the tank and working pressure
- Three compressed air outlets for filtered compressed air, filtered and lubricated compressed air and a direct compressed air outlet on the vessel
- Air take-off with **convenient quick-action safety couplings**
- Equipped as a factory standard with a premium **CONDOR pressure switch** (Fig. 230 volts)

On
200 l
vessel

				13 bar	15 bar
Model	AIRPROFI 703/100**	AIRPROFI 853/100**	AIRPROFI 853/200	AIRPROFI 703/75/13**	AIRPROFI 703/100/15
Art. no.	2018731	2018831	2018832	2018734	2018735

* For a description of the compressor systems refer to page 18 **Sound power level as per DIN EN ISO 3744 (RL 2000/14/EC)

*** For compressors with a motor output of 5.5 kW, please observe your local electricity utility's rules; the use of a star-delta switch may be required in some areas.

Stationary compressors - 10 bar

Our tip!

Only compress to the level you really need; after all one “bar” more will cost 6 to 8% more energy.

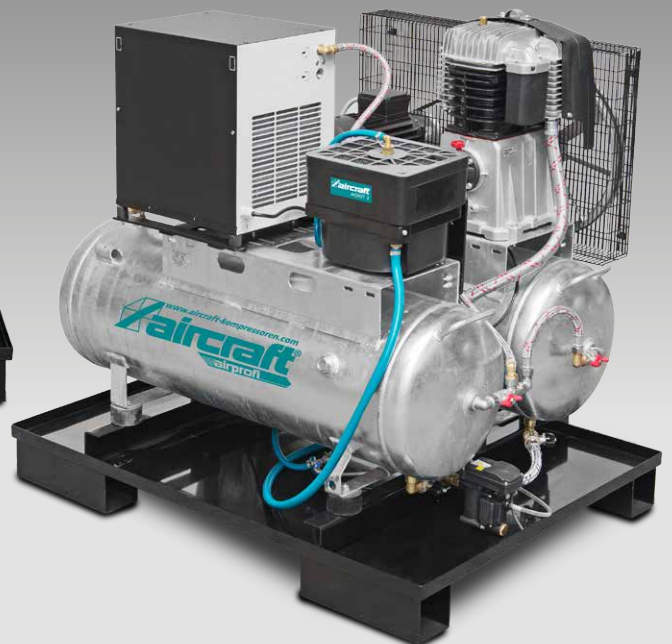
Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.

- K = With refrigeration dryer
KK = With refrigeration dryer, condensate drain, condensate conditioning and pre-filter



Your benefits:

- Preinstalled and ready for action
- All-round protection
- Easily transported at any time
- Integrated catchment sump
- With condensate management
- Pre-filtered compressed air



AIRSTAR Series - rugged compressors for building and trade applications with proven belt drive and two-stage, twin-cylinder, high-performance grey cast iron motors

- ▶ The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- ▶ This ensures an even longer service life by reducing wear
- ▶ Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor
- ▶ Re-cooler with cooling fins and intercooler for re-cooler ensure a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air.
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Equipped with a phase inverter as standard for easy manual inversion of the sense of rotation
- ▶ Equipped with a premium **CONDOR pressure switch**
- ▶ Equipped with a pressure gauge for pressure vessel pressure and a ball valve on the pressure vessel
- ▶ The pressure vessel is equipped with a safety valve, vessel pressure gauge and a condensate drain valve
- ▶ Powder-coated pressure vessel, ten-year warranty on the pressure vessel against corrosion perforation
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect
- ▶ Stable metal belt guard grille
- ▶ Including anti-vibration elements



AIRSTAR 703/270/10 H
Fig. shows the scope of delivery



AIRSTAR 703/270/10 V
Fig. shows the scope of delivery

Model	AIRSTAR 703/270/10 H	AIRSTAR 703/270/10 V
Art. no.	2028753	2028752
Technical Data		
Compressor system*	HOS	HOS
Highest flow rate	650 l/min	650 l/min
Fill capacity 6-10 bar	520 l/min	520 l/min
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	270 l	270 l
Cylinders/stages	2/2	2/2
Speed	950 rpm	950 rpm
Motor output	4 kW/ 400 V	4 kW/ 400 V
Weight	160 kg	160 kg
Dimensions (L x W x H) in mm	1,950 x 600 x 1,250	720 x 720 x 1,770
Sound pressure level L _{PA} **	80 dB(A)	80 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems refer to page 18

** Sound pressure level at a distance of 1 m as per DIN 45635 T 13; pressure vessel with AD 2000 design



Compressed air supply systems

Stationary compressors - central compressed air supply systems based on a modular assembly kit

► The modular assembly kit supports the flexible composition of a compressed air supply system.

► **Your benefits:**

- Customisable
- Ability to implement a central, high-capacity compressed air supply
- Ability to design systems for handling peak loads
- Can be extended at any time



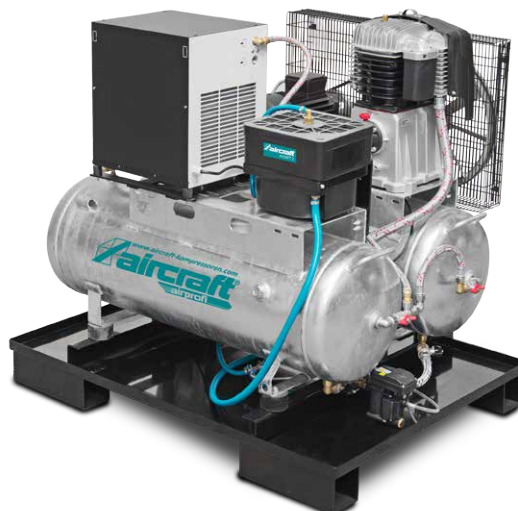
Compressed air system with piston compressor

- 1 Piston compressor (e.g. Silent, auxiliary compressor, etc.)
- 2 Water separator with condensate drain
- 3 Compressed air refrigeration dryer
- 4 Bypass line
- 5 Compressed air vessels
- 6 Condensate drain
- 7 Oil-water separator
- 8 Micro filter
- 9 Nanofilters
- 10 Activated carbon filter
- 11 Compressed air energy saver

As an alternative to the modular assembly kit, AIRCRAFT offers complete compressed air systems, integrated on a safety upright pallet.

Ideal for workshops where space is at a premium.

The water separator is directly downstream of the piston compressor for 99% water pre-separation. This relieves the load on the downstream devices.



Duo 853/2x100/10 KK



AIRPROFI 853/270/10 KK

99% separation of the precipitated condensate

Your benefits:

- Relieves the load on the downstream devices*
- Thus reducing energy consumption
- Better compressed air quality
- Less pressure drop (flow-optimised)

*e.g. Compressed air refrigeration dryer with optional bypass line



Compressed air system with screw-type compressor

- 1 Screw-type compressor
- 2 Water separator with condensate drain
- 3 Compressed air vessels
- 4 Automatic condensate drain
- 5 Condensate conditioner for oil-water separation
- 6 Fine filter
- 7 Compressed air refrigeration dryer
- 8 Bypass line
- 9 Nanofilters
- 10 Activated carbon filter
- 11 Compressed air energy saver
- 12 Peak load compressor

A water separator (2) is also located directly downstream of the screw-type compressor (1) for 99% water pre-separation.

The compressed air then reaches the pressure vessel (3) which is equipped with a level-controlled condensate drain (4).

From the pressure vessel it flows through a microfilter (6) to the compressed air refrigerant type dryer (7). Depending on the requirements, a nanofilter (8), for separating ultra-fine particles, and an activated carbon filter (9), for separating oil vapours, odorants, and flavourings, then follow.

Screw-type and piston compressors can be combined in a single system to cope with peak loads.

We, or our sales partners in your region, will be glad to advise you on your options for a turn-key compressed air solution. We will develop the most economical and cost-efficient solution for you.

Stationary - 10 bar

Quality characteristics of the stationary AIRPROFI air compressors



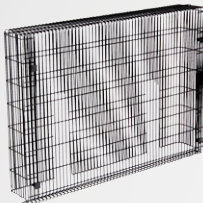
- ▶ Quality electric motor with high torque
- ▶ Equipped with motor protection switch
- ▶ Equipped with a phase inverter as standard for easy manual inversion of the sense of rotation

- ▶ Large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor



- ▶ The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- ▶ This ensures an even longer service life by reducing wear

- ▶ Stable metal belt guard grille



- ▶ With premium CONDOR pressure switch
- ▶ Equipped with a safety valve, a pressure gauge for pressure vessel pressure and a ball valve on the pressure vessel



- ▶ Feet including anti-vibration elements and condensate drain valve



AIRSTAR 703/270/10 V
Fig. shows upright space-saving version



- Warranty**
 - ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel



AIRPROFI 1003/500/10 H
Fig. shows horizontal version

AIRPROFI Tandem Series 10 bar - stationary compressors with horizontal pressure vessel and two motors for a sufficient reserve air supply in case of heavily fluctuating requirements

- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Flexible armoured hose with heat protection avoids vibration fractures
- ▶ Completely ready for connection with all fittings
- ▶ With Tandem control for time-staggered activation and deactivation of both compressor units - the compressor system can still run on one compressor unit while performing maintenance on the other



Your benefits:

- ▶ **Two twin-cylinder high-performance motors with dual-stage compression**
- ▶ **Space saving** thanks to two compressor units on a single pressure vessel; ideal for use in cramped conditions
- ▶ Sufficient supply of compressed air **in case of major compressed air requirement fluctuations**
- ▶ Equipped with **Tandem control** as standard



Flexible armoured hose with heat protection avoids vibration fractures



AIRPROFI TANDEM 703/500/10 H

Model	AIRPROFI Tandem 703/500/10 H	AIRPROFI Tandem 1003/500/10 H
Art. no.	2026715	2026915

Technical Data	HOS	HOS
Compressor system*	HOS	HOS
Highest flow rate	2 x 650 l/min	2 x 960 l/min
Fill capacity 6-10 bar	2 x 520 l/min	2 x 750 l/min
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	500 l	500 l
Cylinders/stages	2 x 2-2	2 x 2-2
Speed	950 rpm	1060 rpm
Motor output	2 x 4.0 kW	2 x 5.5 kW***
Weight	280 kg	300 kg
Dimensions (L x W x H) in mm	2,020 x 570 x 1,300	2,020 x 570 x 1,340
Sound pressure level L _{PA} **	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

Scope of delivery AIRPROFI H:

Start-up relief
Anti-vibration elements
Tandem control

Optional extras

Art. no.	Designation
2506021	Option base load alternating control for AIRPROFI TANDEM **** (see page 119 for a detailed description)

**** Cannot be retrofitted, only for new machine orders

* For a description of the compressor systems, see page 18

** Sound pressure level at 1 m distance as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW.

Stationary - 10 bar

AIRPROFI V Series 10 bar - stationary compressors with an upright 270 L pressure vessel Maximum performance on a small footprint

- The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- The large impeller ensures optimum cooling.
- Fully automatic On/Off operation

- Quality electric motors equipped with motor protection switch
- Flexible armoured hose line with heat protection avoids vibration fractures
- Three compressed air take-off points on the vessel
- Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel

- Equipped with a premium **CONDOR** pressure switch
- Completely ready for connection with all fittings
- **As of 7.5 kW, equipped with an automatic star delta switch as factory standard**



Scope of delivery V:	
Star-delta switch for models as of 7.5 kW motor	
Start-up relief	
Anti-vibration elements	

AIRPROFI 853/270 V

- Delivery including anti-vibration elements

Scope of delivery VK:	
Star-delta switch for models as of 7.5 kW motor	
Start-up relief	
Anti-vibration elements	
Safety pallet	
Refrigeration dryer	
Fine filter	



Compressed air station AIRPROFI 853/270 VK

- Delivery including safety palette.
- Fig. with optional microfilter on the refrigeration dryer

Model	AIRPROFI 703/270/10 V	AIRPROFI 853/270/10 V	AIRPROFI 1003/270/10 V	AIRPROFI 1253/270/10 V
Art. no.	2024712	2024812	2024912	2025012
Model	AIRPROFI 703/270/10 VK	AIRPROFI 853/270/10 VK	AIRPROFI 1003/270/10 VK	AIRPROFI 1253/270/10 VK
Art. no.	2024712 K	2024812 K	2024912 K	2025012 K
Model	AIRPROFI 703/270/10 VKK	AIRPROFI 853/270/10 VKK	AIRPROFI 1003/270/10 VKK	AIRPROFI 1253/270/10 VKK
Art. no.	2024712 KK	2024812 KK	2024912 KK	2025012 KK

Technical Data

Compressor system*	HOS	HOS	HOS	HOS
Highest flow rate	650 l/min	850 l/min	960 l/min	1200 l/min
Fill capacity 6-10 bar	520 l/min	680 l/min	750 l/min	900 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	270 l	270 l	270 l	270 l
Cylinders/stages	2/2	2/2	2/2	2/2
Speed	950 rpm	1240 rpm	1060 rpm	1220 rpm
Motor output	4 kW/ 400 V	5.5 kW****/ 400 V	5.5 kW****/ 400 V	7.5 kW/ 400 V
Weight	160 kg	170 kg	160 kg	160 kg
Dimensions (L x W x H) **	780 x 710 x 1,870 mm	780 x 710 x 1,870 mm	850 x 710 x 1,950 mm	850 x 710 x 1,950 mm
Sound pressure level L _{PA} ***	83 dB(A)	83 dB(A)	82 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"

* For a description of the compressor systems refer to page 18 ** Dimensions of basic model *** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

**** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW

The perfect compressed air full service station

Accessories



- Automatic condensate drain on the pressure vessel
- No unnecessary loss of compressed air thanks to level control



- Condensate conditioner for oil-water separation
- You will also find important notes on condensate conditioning in the compressed air treatment chapter.



- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



- "K" variant equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard
- Pressure dew point at 5°C, ambient temperature 25°C, atmospheric dew point at -22°C
- Microfilter only standard equipment with "KK" type

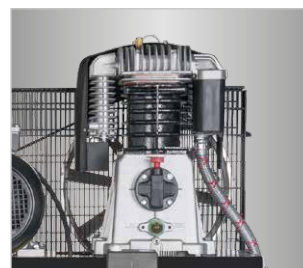


Scope of delivery VKK:

Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements
Safety pallet
Refrigeration dryer
Fine filter
Condensate conditioner for oil-water separation
Automatic condensate drain



AIRPROFI 853/270 VKK

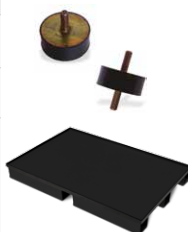


- The twin-cylinder, high-performance motor with two-stage compression runs at low speed to achieve a very smooth, virtually vibration free action
- The large impeller ensures optimum cooling
- The low speed ensures a highly efficient air delivery performance while reducing wear.
- The intercooler and re-cooler with a large cooling fin surface area ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- Flexible, heat protected armoured hose for a long service life, as vibration breaks are ruled out

Maximum feature set on a small footprint

- The KK variant houses your complete compressed air generation and processing needs on a footprint of approx. 1 m². Delivery including safety palette.

Accessories	Art. no.
1 anti-vibration element with single-sided thread 100 x 38 mm / M10	2505640
1 anti-vibration element with two-sided thread 70 x 38 mm / 2 x M10 (for SSP)	2505650
Safety stand pallet SSP upright stationary 1200 x 800 x 140 mm	2030103



Accessories	Art. no.
Automatic star-delta switch with operation hour counter (Mandatory in some regions as of 5.5 kW)	2506010
Electromagnetic start-up relief 24V AC normally closed	2506015
Electromagnetic start-up relief 24V AC normally open	2506017



Stationary - 10 bar

AIRPROFI H series 10 bar - stationary compressors with a horizontal pressure vessel, for maximum compressed air availability.

- ▶ The twin- or 4-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With premium CONDOR pressure switch
- ▶ Completely ready for connection with all fittings
- ▶ Flexible armoured hose with heat protection avoids vibration fractures
- ▶ As of 7.5 kW, equipped with an automatic star delta switch as factory standard



AIRPROFI 853/100/10 H

- ▶ A genuine space saver with a 100 l pressure vessel
- ▶ Any installation and recurring tests can thus be performed by a qualified person.
- ▶ Applies to Germany only
- ▶ Equipped as a factory standard with a premium CONDOR pressure switch
- ▶ Scope of delivery including anti-vibration elements



AIRPROFI 853/200/10 H

- ▶ 2-cylinder compressor with 200 litre compressed air vessel



AIRPROFI 853/270/10 H

- ▶ 2-cylinder compressor with 270 litre compressed air vessel



Model AIRPROFI	703/100/10 H	853/100/10 H	853/200/10 H	703/270/10 H	853/270/10 H
Art. no.	2022273	2022283	2022284	2025712	2025812
Technical Data					
Compressor system*	HOS	HOS	HOS	HOS	HOS
Highest flow rate	650 l/min	850 l/min	850 l/min	650 l/min	850 l/min
Fill capacity 6-10 bar	520 l/min	680 l/min	680 l/min	520 l/min	680 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	100 l	100 l	200 l	270 l	270 l
Cylinders/stages	2/2	2/2	2/2	2/2	2/2
Speed	950 rpm	1240 rpm	1240 rpm	950 rpm	1240 rpm
Motor output	4 kW	5.5 kW	5.5 kW***	4 kW	5.5 kW***
Weight	98 kg	110 kg	122 kg	180 kg	195 kg
Dimensions (L x W x H) in mm	1,120 x 460 x 960	1,120 x 460 x 960	1,150 x 500 x 1,150	1,190 x 600 x 1,250	1,150 x 600 x 1,240
Sound pressure level L _{PA} **	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)
Air outlet	1/2"	1/2"	3/4"	3/4"	3/4"

* For a description of the compressor systems, see page 18 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

*** Observe your local energy utility's rules for compressors with a motor output of 5.5 kW.

Accessories



- Automatic condensate drain on the pressure vessel
- Avoids unnecessary pressure loss



- Condensate conditioner for oil-water separation
- You will also find important notes on condensate conditioning in the compressed air treatment chapter.



- Microfilter for separating condensate and dirt with particle sizes of up to 1 micron.
- Compressed air quality as per ISO 8573-1 as a pre-filter installed upstream of the refrigeration dryer



- Including premium intake filter as of Airprofi 1003/500/10 H



- Automatic star-delta switch with operation hour counter as of 7.5 kW models



AIRPROFI 1003/500/10 H

- With 500 litre vessel for maximum compressed air availability.

Scope of delivery AIRPROFI H:

Start-up relief

Anti-vibration elements

Automatic star-delta switch with operation hour counter as of 7.5 kW models



AIRPROFI 1283/500/10 H

- 4-cylinder compressor with 500 litre compressed air vessel

Model AIRPROFI	853/500/10 H	1003/500/10 H	1253/500/10 H	1283/500/10 H	1703/500/10 H
Art. no.	2025815	2025915	2026015	2027055	2027065
Technical Data					
Compressor system*	HOS	HOS	HOS	HOS	HOS
Highest flow rate	850 l/min	950 l/min	1,200 l/min	1,270 l/min	1,660 l/min
Fill capacity 6-10 bar	680 l/min	750 l/min	900 l/min	914 l/min	1,195 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	500 l	500 l	500 l	500 l	500 l
Cylinders/stages	2/2	2/2	2/2	4/2	4/2
Speed	1240 rpm	960 rpm	1220 rpm	870 rpm	1140 rpm
Motor output	5.5 kW***	5.5 kW***	7.5 kW	7.5 kW	11 kW
Weight	235 kg	245 kg	245 kg	320 kg	325 kg
Dimensions (L x W x H) in mm	2,020 x 570 x 1,300	2,020 x 570 x 1,340	2,020 x 570 x 1,340	2,020 x 570 x 1400	2,020 x 570 x 1,400
Sound pressure level L _{PA} **	83 dB(A)	82 dB(A)	82 dB(A)	86 dB(A)	86 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"	3/4"

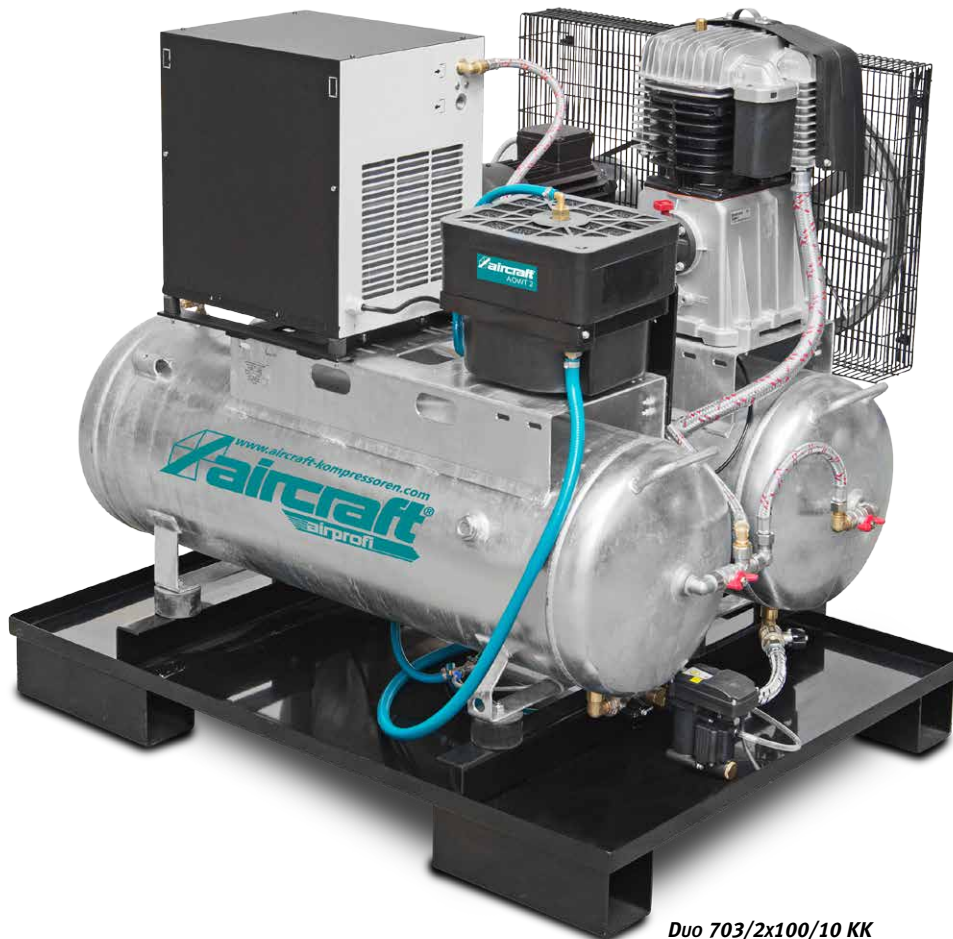
* For a description of the compressor systems refer to page 18 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW

Stationary - twin systems - 10 bar

Airprofi DUO - universally deployable compressed air station with 2 x 100 l compressed air pressure vessels, preassembled on a safety pallet, space-saving and transportable

- ▶ Two-cylinder, high-performance, two-stage compressor unit with a grey cast iron cylinder block
- ▶ Low speeds ensures a smooth, virtually vibration free action and a long service life
- ▶ The large impeller ensures optimum cooling
- ▶ Premium electric motor with high torque
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Equipped with a phase inverter for easy manual inversion of the sense of rotation
- ▶ Intermediate and re-coolers reduce condensate build-up
- ▶ Maintenance block with two pressure gauges for the vessel and working pressure, premium **CONDOR pressure switch**
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Fully automatic On/Off operation
- ▶ Completely ready for connection with all fittings



Duo 703/2x100/10 KK

Model	Duo 703/2x100/10
Art. no.	2023072
Model	Duo 703/2x100/10 K
Art. no.	2023073
Model	Duo 703/2x100/10 KK
Art. no.	2023074

Technical Data	HOS
Compressor system*	
Highest flow rate	650 l/min
Fill capacity	520 l/min
Maximum pressure	10 bar
Pressure vessel capacity	2 x 100 l
Cylinders/stages	2/2
Speed	950 rpm
Motor output	4 kW*** / 400 V
Weight	235 kg
Dimensions (L x W x H)	1,200 x 900 x 1,250 mm
Sound pressure level L _{PA} **	83 dB(A)
Air outlet on compressed air vessel	3/4"
Air outlet on refrigeration dryer	1/2"

Scope of delivery DUO:

Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements

Scope of delivery DUO K:

Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements
Safety pallet
Refrigeration dryer
Fine filter

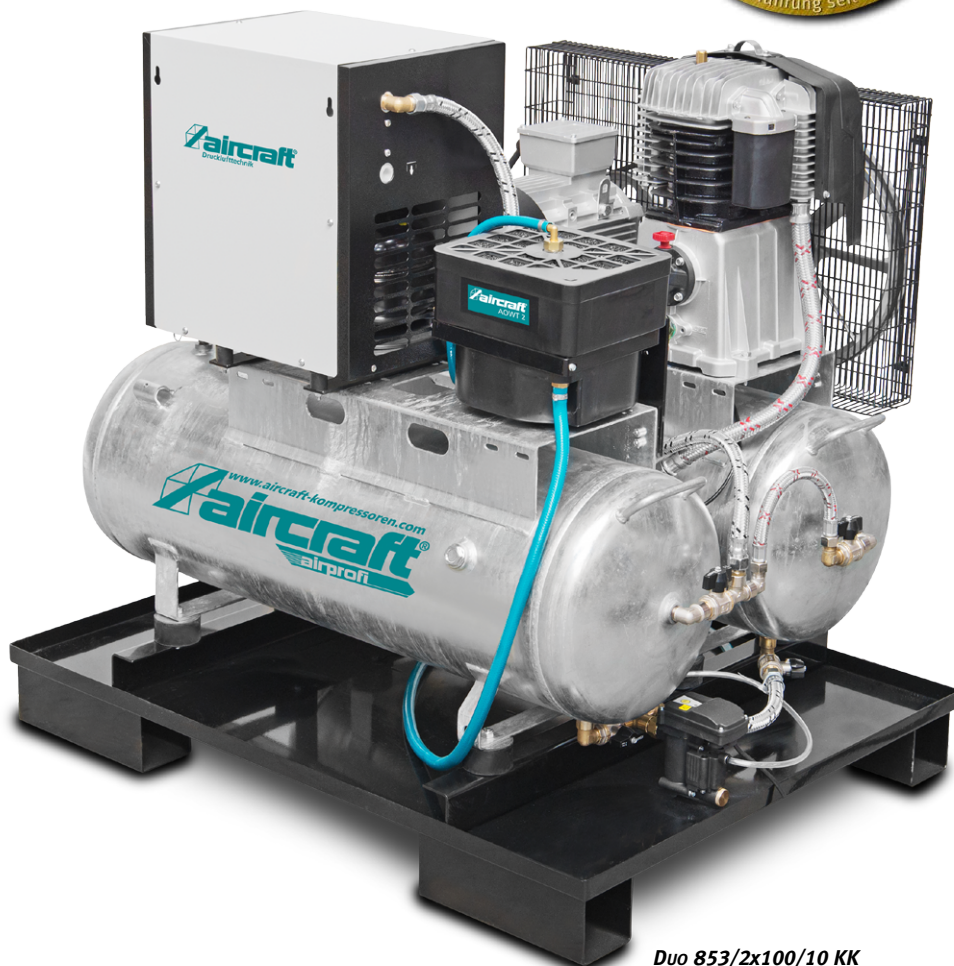
Scope of delivery DUO KK:

Star-delta switch for models as of 7.5 kW motor
Start-up relief
Anti-vibration elements
Safety pallet
Refrigeration dryer
Fine filter
Condensate conditioner for oil-water separation
Automatic condensate drain

* For a description of the compressor systems, see page 18

** Sound pressure level at 1 m distance as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



Duo 853/2x100/10 KK

Model	Duo 853/2x100/10
Art. no.	2023085
Model	Duo 853/2x100/10 K
Art. no.	2023086
Model	Duo 853/2x100/10 KK
Art. no.	2023087

Technical Data	HOS
Compressor system*	850 l/min
Highest flow rate	680 l/min
Fill capacity	10 bar
Maximum pressure	2 x 100 l
Pressure vessel capacity	2/2
Cylinders/stages	1240 rpm
Speed	5.5 kW*** / 400 V
Motor output	235 kg
Weight	1200 x 900 x 1140
Dimensions (L x W x H) in mm	83 dB(A)
Sound pressure level L _{PA} **	3/4"
Air outlet on compressed air vessel	1/2"
Air outlet on refrigeration dryer	

Flexibility on top

- Enabling the second compressed air vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve
- Helps to cover short-term peaks in compressed air requirements
- For, e.g., chisel, hammer or sandblasting work, the second vessel can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.

* For a description of the compressor systems, see page 18

** Sound pressure level at 1 m distance as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



- "K" variant equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard
- Pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C

- The "KK" variant features an additional pre-filter for separating condensate and dirt with particle sizes up to 25 µm.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



- With an automatic condensate drain on compressed air vessel
- This ensures condensate separation without unnecessary pressure loss



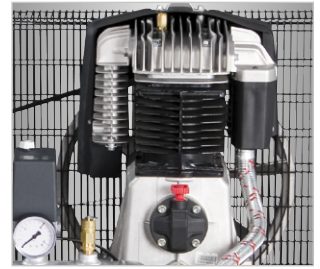
- Condensate conditioner for oil-water separation

You will also find important notes on condensate conditioning in the compressed air treatment chapter.

Stationary auxiliary compressors - 10 bar

AIRPROFI BK Series - auxiliary compressors provide an attractively priced option for generating additional compressed air performance, ideal as peak load compressors

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Ready to connect with all fittings, such as pressure switch for fully-automatic on/off switching operation, safety and non-return valves, condensate and air bleed valve for autonomous operation
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ With premium **CONDOR** pressure switch
- ▶ Completely ready for connection with all fittings



- High-performance grey cast iron motor, slow running
- A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature
- The flexible armoured hose line with heat protection avoids vibration fractures



AIRPROFI BK 703/13/10

Auxiliary compressors are used:

- If the existing air supply volume is insufficient
- To cope with peak loads
- Wherever it is important to provide 100% reliability
- Where legacy equipment would require expensive repairs.

Model	AIRPROFI BK 703/13/10	AIRPROFI BK 1003/13/10
Art. no.	2029711	2029911

Technical Data		
Compressor system*	HOS	HOS
Highest flow rate	650 l/min	960 l/min
Fill capacity 6-10 bar	520 l/min	750 l/min
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	13 l	13 l
Cylinders/stages	2/2	2/2
Speed	950 rpm	1060 rpm
Motor output	4 kW/ 400 V	5.5 kW*** / 400 V
Weight	55 kg	80 kg
Dimensions (L x W x H)	685 x 745 x 675 mm	685 x 790 x 745 mm
Sound pressure level L _{PA} **	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems, see page 18

** Sound pressure level at 1 m distance as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW



Recommended accessories

AIRCRAFT pressure vessel arrays as 2x or 4x arrays for up to 400 litres of additional air supply

Our tip!

Only compress to the level you really need; after all one "bar" more will cost 6 to 8% more energy.

Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.

We help you save - 13 bar instead of 15!

Our 15 bar compressors are preset to 13 bar switch-off pressure as a factory standard.

The reason for this is that 90% of all users only require a max. operating pressure of 13 bar.

But if you do require the maximum pressure of 15 bar, you can set it via the pressure switch at any time

- K = With refrigeration dryer and pre-filter
- KK = With refrigeration dryer, condensate drain, condensate conditioning and pre-filter



Stationary - 13 - 15 bar

AIRPROFI Series 13 and 15 bar - Stationary compressors with an upright or horizontal pressure vessel, for operating pressures above 10 bar.

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Flexible armoured hose with heat protection avoids vibration fractures

- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Equipped with a premium **CONDOR pressure switch**
- ▶ Completely ready for connection with all fittings **AIRPROFI 703/75/13 H**
- ▶ With 75 litre vessel

- ▶ Acceptance testing for the AIRPROFI 703/75/13 can be performed by a qualified person
- ▶ A switch-off pressure of 13 bar is typical in practical applications

Additional equipment for "K" type:

- ▶ Refrigeration dryer for dry compressed air ensuring a longer service life of compressed air tools and avoiding failure of pneumatic controls
- ▶ With an automatic condensate drain



Scope of delivery V:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements

Scope of delivery VK:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements
- Safety pallet
- Refrigeration dryer
- Fine filter



AIRPROFI 703/270/15 V

- ▶ Delivery including anti-vibration elements

Compressed air station AIRPROFI 753/270/15 VK

- ▶ Delivery including safety pallet
- ▶ Fig. with optional microfilter on the refrigeration dryer

Model	AIRPROFI 703/270/15 V	AIRPROFI 753/270/15 V****
Art. no.	2024752	2024852
Model	AIRPROFI 703/270/15 VK	AIRPROFI 753/270/15 VK****
Art. no.	2024752 K	2024852 K
Model	AIRPROFI F 703/270/15 VKK	AIRPROFI 753/270/15 VKK****
Art. no.	2024752 KK	2024852 KK

Technical Data	HOS	HOS
Compressor system*		
Highest flow rate	575 l/min	750 l/min
Fill capacity	460 l/min	525 l/min
Maximum pressure***	13(15) bar	13(15) bar
Pressure vessel capacity	270 l	270 l
Cylinders/stages	2/2	2/2
Speed	850 rpm	785 rpm
Motor output	4 kW	5.5 kW
Weight	190 kg	190 kg
Dimensions (L x W x H)	745 x 620 x 1,860 mm	850 x 710 x 1,950 mm
Sound pressure level L _{PA} **	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems refer to page 18

** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

*** Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via pressure switch

**** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW.

Scope of delivery VKK:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements
- Safety pallet
- Refrigeration dryer
- Fine filter
- Condensate conditioner for oil-water separation
- Automatic condensate drain

Maximum feature set on a small footprint

- The KK variant houses your complete compressed air generation and processing needs on a footprint of approx. 1 m².



AIRPROFI AIRPROFI 753/270/15
Incl. safety pallet

Accessories



- Automatic condensate drain on the pressure vessel
- No unnecessary loss of compressed air thanks to level control

Accessories



- Condensate conditioner for oil-water separation
- You will also find important notes on condensate conditioning in the compressed air treatment chapter.

Accessories



- Microfilter for separating condensate and dirt with particle sizes of up to 25 micron.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer

Accessories



- User-friendly operating concept
- Efficient design for low cost and safe operation
- Cooling fan speed controlled from 0 - 100%, thus eliminating the typical pressure switch and the thermostat for fan control

Scope of delivery AIRPROFI H:

Start-up relief

Anti-vibration elements

Automatic star-delta switch with operation hour counter for models as of 7.5 kW motor



AIRPROFI 703/75/13 H



- Automatic star-delta switch with operation hour counter for 7.5 kW and 11 kW models



AIRPROFI 1103/500/15 H

- ▶ 4-cylinder compressor with 500 litre compressed air vessel



AIRPROFI 903/500/15 H

- ▶ With 500 litre vessel
- ▶ For maximum compressed air availability

Model	AIRPROFI 703/75/13 H	AIRPROFI 703/270/15 H	AIRPROFI 753/270/15 H	AIRPROFI 903/500/15 H	AIRPROFI 1103/500/15 H
Art. no.	2022275	2025752	2025852	2025955	2027155

Technical Data	HOS	HOS	HOS	HOS	HOS
Compressor system*					
Highest flow rate	575 l/min	575 l/min	750 l/min	1030 l/min	1065 l/min
Fill capacity	460 l/min	460 l/min	525 l/min	765 l/min	790 l/min
Maximum pressure	13 bar	13 (15) bar***	13 (15) bar***	13 (15) bar***	13 (15) bar***
Pressure vessel capacity	75 l	270 l	270 l	500 l	500 l
Cylinders/stages	2/2	2/2	2/2	2/2	4/2
Speed	850 rpm	850 rpm	785 rpm	1050 rpm	720 rpm
Motor output	4 kW	4 kW	5.5 kW****	7.5 kW	7.5 kW
Weight	103 kg	210 kg	215 kg	300 kg	350 kg
Dimensions (L x W x H) in	850 x 460 x 960 mm	1,190 x 600 x 1,250 mm	1,190 x 600 x 1,320 mm	2,020 x 570 x 1,340 mm	2,020 x 570 x 1,400 mm
Sound pressure level L _{PA} **	79 dB(A)	83 dB(A)	82 dB(A)	82 dB(A)	86 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"	3/4"

* For a description of the compressor systems see page 18 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13 3) *** Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via the pressure switch **** Observe your local power utility's rules for compressors with a motor output of 5.5 kW

Stationary - 13 - 15 bar

AIRPROFI Tandem Series 15 bar - stationary compressors with horizontal pressure vessel and two motors for a sufficient reserve air supply in case of heavily fluctuating requirements

- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ▶ Flexible armoured hose with heat protection avoids vibration fractures
- ▶ Completely ready for connection with all fittings
- ▶ With Tandem control for time-staggered activation and deactivation of both compressor units - the compressor system can still run on one compressor unit while performing maintenance on the other



YOUR BENEFITS:

- ▶ Two twin-cylinder high-performance motors with dual-stage compression
- ▶ Space saving thanks to two compressor units on a single pressure vessel; ideal for use in cramped conditions; sufficient supply of compressed air in case of major compressed air requirement fluctuations
- ▶ Equipped with Tandem control as standard



- Flexible armoured hose with heat protection avoids vibration fractures



AIRPROFI TANDEM 853/500/15 H

Model	AIRPROFI Tandem 703/500/15 H	AIRPROFI Tandem 753/500/15 H
Art. no.	2026755	2026855

Technical Data	HOS	HOS
Compressor system*		
Highest flow rate	2 x 575 l/min	2 x 750 l/min
Fill capacity	2 x 460 l/min	2 x 525 l/min
Maximum pressure	13(15) bar	13(15) bar
Pressure vessel capacity	500 l	500 l
Cylinders/stages	2 x 2-2	2 x 2-2
Speed	850 rpm	785 rpm
Motor output	2 x 4 kW	2 x 5.5 kW****
Weight	310 kg	320 kg
Dimensions (L x W x H)	1,950 x 600 x 1,295 mm	2,020 x 570 x 1,340 mm
Sound pressure level L _{PA} ***	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"

Scope of delivery AIRPROFI H:

- Start-up relief
- Anti-vibration elements
- Tandem control

Optional extras

Art. no. Designation

- 2506021 Option base load alternating control for AIRPROFI TANDEM*****
(see page 119 for a detailed description)

***** Cannot be retrofitted, only for new machine orders

* For a description of the compressor systems see page 20 ** Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via the pressure switch *** Sound pressure level at a distance of 1 m as per DIN 45635 T 13 **** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW.

AIRPROFI BK Series - auxiliary compressors provide an attractively priced option for generating additional compressed air performance, ideal as peak load compressors

- ▶ The twin-cylinder, high-performance motor with two-stage compression supports low speeds to achieve a very smooth, virtually vibration free action.
- ▶ The large impeller ensures optimum cooling
- ▶ The intercooler and re-cooler ensure a low pressure vessel inlet temperature, thus reducing condensate build-up
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Ready to connect with all fittings, such as pressure switch for fully-automatic on/off switching operation, safety and non-return valves, condensate and air bleed valve for autonomous operation



- ① High-performance grey cast iron motor, slow running
- ② With premium CONDOR pressure switch for fully-automated on/off operation

- ③ Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- ④ Flexible armoured hose line with heat protection avoids vibration fractures

Auxiliary compressors are used:

- ▶ If the existing air supply volume is insufficient
- ▶ To cope with peak loads
- ▶ Wherever it is important to provide 100% reliability
- ▶ Where legacy equipment would require expensive repairs.

Model	AIRPROFI BK 703/13/15	AIRPROFI BK 753/13/15
Art. no.	2029751	2029851
Technical Data		
Compressor system*	HOS	HOS
Highest flow rate	575 l/min	750 l/min
Fill capacity	460 l/min	525 l/min
Maximum pressure**	13(15) bar	13(15) bar
Pressure vessel capacity	13 l	13 l
Cylinders/stages	2/2	2/2
Speed	850 rpm	785 rpm
Motor output	4 kW/ 400 V	5.5 kW****/400 V
Weight	55 kg	75 kg
Dimensions (L x W x H)	685 x 745 x 675 mm	685 x 790 x 745 mm
Sound pressure level L _{PA} ***	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems see page 20 ** Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via the pressure switch *** Sound pressure level at a distance of 1 m as per DIN 45635 T 13 **** Observe your local power utility's rules for compressors with a motor output of 5.5 kW.

** We help you save - 13 bar instead of 15!

Our 15 bar compressors are preset to 13 bar switch-off pressure as a factory standard. The reason for this is that 90% of all users only require a max. operating pressure of 13 bar. **Any pressure generated above this value means additional energy consumption of about 8% per bar.** But if you do require the maximum pressure of 15 bar, you can set it via the pressure switch at any time.

Airprofi DUO - universally deployable compressed air station with 2 x 75 litre compressed air pressure vessels, preassembled on a safety pallet, space-saving and transportable

- ▶ Two-cylinder, high-performance, two-stage compressor unit with a grey cast iron cylinder block
- ▶ Low speeds ensures a smooth, virtually vibration free action and a long service life
- ▶ The large impeller ensures optimum cooling
- ▶ Quality electric motors equipped with motor protection switch
- ▶ Equipped with a phase inverter for easy manual inversion of the sense of rotation
- ▶ Intermediate and re-coolers reduce condensate build-up
- ▶ Maintenance block with two pressure gauges for the vessel and working pressure, premium **CONDOR pressure switch**
- ▶ Fully automatic On/Off operation
- ▶ Completely ready for connection with all fittings



Flexibility on top

- ▶ Enabling the second compressed air vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve
- ▶ Helps to cover short-term peaks in compressed air requirements
- ▶ For, e.g., chisel, hammer or sandblasting work, the second vessel can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.



Duo 703/2 x 75/10 KK

Model	DUO 703/2x75/13
Art. no.	2023185
Model	DUO 703/2 x 75/13 K
Art. no.	2023186
Model	DUO 703/2x75/13 KK
Art. no.	2023187

Technical Data	
Compressor system*	HOS
Highest flow rate	575 l/min
Fill capacity	460 l/min
Maximum pressure	13 bar
Pressure vessel capacity	2 x 75 L
Cylinders/stages	2/2
Speed	850 rpm
Motor output	4 kW/ 400 V
Weight	230 kg
Dimensions (L x W x H)	1200 x 900 x 1140 mm
Sound pressure level L _{PA} **	79 dB(A)
Air outlet on compressed air vessel	3/4"
Air outlet on refrigeration dryer	1/2"

Scope of delivery V:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements

Scope of delivery VK:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements
- Safety pallet
- Refrigeration dryer
- Fine filter

Scope of delivery VKK:

- Star-delta switch for models as of 7.5 kW motor
- Start-up relief
- Anti-vibration elements
- Safety pallet
- Refrigeration dryer
- Fine filter
- Condensate conditioner for oil-water separation
- Automatic condensate drain



"K" version

Equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard

- Pressure dew point 5°C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C

The "KK" variant features

- an additional pre-filter for separating condensate and dirt with particle sizes up to 25 µm.
- Compressed air quality as per ISO 8573-1
- As a pre-filter installed upstream of the refrigeration dryer



- With automatic condensate drain on the vessel
- This ensures condensate separation without unnecessary pressure loss



- Condensate conditioner for oil-water separation
- **You will also find important notes on condensate conditioning in the compressed air treatment chapter.**

* For a description of the compressor systems, see page 20

** Sound pressure level at 1 m distance as per DIN 45635 T 13



AIRPROFI Silent Series

Compressors, noise-insulated

AIRPROFI 321/100 Silent - mobile compressors with noise-insulating housings - for deployment in areas where low-noise operation is essential



AIRPROFI 321/100 OF Silent

- ▶ Only fixed screw connections on the maintenance block, no hose connections
- ▶ The working pressure is continuously variable via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate
- ▶ Two large pressure gauges indicate the tank and working pressure
- ▶ Three compressed air take-off points with quick-action safety couplings for filtered compressed air, filtered and oiled compressed air, and a direct compressed air outlet from the vessel via **premium, quick-action safety couplings** and a **premium ball valve**.
- ▶ Equipped as standard with a premium **CONDOR** pressure switch
- ▶ Features a Silent noise-insulation housing
- ▶ Designed for users who work in the vicinity of the compressor, and need a quiet environment
- ▶ AIRprofi 321/100 OF Silent
- ▶ With an oil-free HDS compressor
- ▶ Developed for demanding, continuous use wherever oil-free and clean compressed air is required
- ▶ Cylinder faces with hard-chrome-plated micro smooth surface reduce friction to an absolute minimum
- ▶ The max-performance piston and/or piston ring made of a special mixture of graphite, Teflon and carbon has a substantially longer lifetime than a simple Teflon piston ring
- ▶ Ergonomically shaped handle for convenient and easy transport
- ▶ The factory standard rubber grip prevents slipping
- ▶ Equipped with a ball valve on the pressure vessel outlet as a factory standard
- ▶ Flexible armoured hose with heat protection avoids vibration fractures
- ▶ Equipped with single-handed safety couplings as per DIN EN 983 – AIRCRAFT is the first manufacturer to use these as a **factory standard**
- ▶ Equipped with single-handed safety couplings as per DIN EN 983
- ▶ This improves the work safety thanks to ventilation technology with two separate interlocking systems
- ▶ The stable, steerable chassis, featuring a clamp brake, in combination **with puncture-proof PU foam tyres** allows for convenient transport by removing the need to lift the compressor for transportation.
- ▶ Premium pressure vessel hot-dip galvanised on interior and exterior
- ▶ 15-year guarantee on the vessel against corrosion perforation

Single-handed safety couplings as per DIN EN 983 – AIRCRAFT is the first manufacturer to use these as a factory standard

AIRCRAFT Garantie 15 Jahre
Garantie auf verzinkte Kessel gegen Durchrostung
Qualitätsaus Erfahrung seit über 15 Jahren

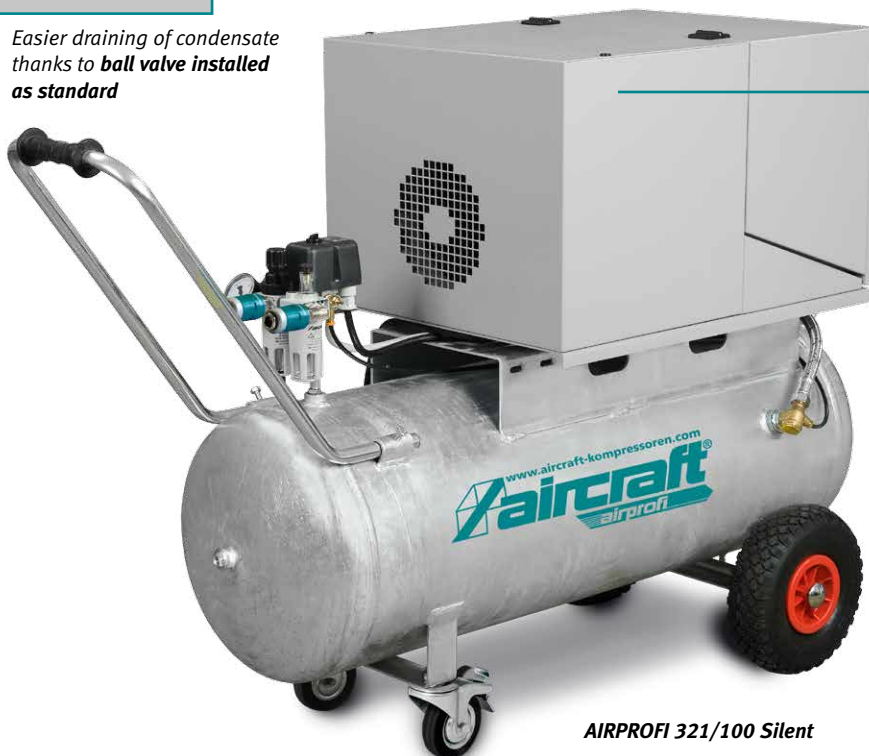
AIRPROFI 321/100 Silent - low-noise, mobile compressors with twin-cylinder V motor directly flanged on

- ▶ Featuring a Silent noise-insulation housing and newly developed noise-reducing air filters
- ▶ Designed for users who need a quiet working environment
- ▶ Intermediate and re-coolers reduce condensate build-up
- ▶ Premium electric motor equipped with motor protection switch
- ▶ Equipped with a filter pressure regulator and pressure gauge, and a **CONDOR pressure switch**
- ▶ Completely ready for connection with all fittings
- ▶ Fully automatic On/Off operation

- ▶ Air outlets equipped with **premium quick-action safety couplings** as standard
- ▶ Two pressure gauges for the pressure vessel and working pressure
- ▶ The pressure vessel is equipped with a safety valve, vessel pressure gauge and a condensate drain valve
- ▶ Premium pressure vessel hot-dip galvanised on interior and exterior, **15-year guarantee against corrosion penetration**
- ▶ Equipped with all safety devices



- Easier draining of condensate thanks to **ball valve installed as standard**



AIRPROFI 321/100 Silent



- ▶ Sophisticated motor design
- ▶ Twin-cylinder V motor with single-stage compression
- ▶ Extremely slow runner
- ▶ Flanged on, no loss of energy between the motor and the compressor
- ▶ This improves the efficiency and fill performance, while prolonging the service life

- ▶ Silent noise-insulation housing additionally equipped with temperature-controlled fan



Model	AIRPROFI 321/100 SILENT	AIRPROFI 321/100 OF SILENT
Art. no.	2022300	2022310

Technical Data	HOS	HDS
Compressor system*		
Highest flow rate	310 l/min	320 l/min
Fill capacity approx.	240 l/min	230 l/min
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	100 l	100 l
Cylinders/stages	2/1	2/1
Speed	1420 rpm	1420 rpm
Motor output	2.2 kW/ 230 V	2.2 kW/ 230 V
Weight	88 kg	96 kg
Dimensions (L x W x H)	1,275 x 480 x 930 mm	1,275 x 480 x 930 mm
Sound power level L _{WA} **	82 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

* For a description of the compressor systems, see page 18 ** Sound power level as per DIN EN ISO 3744 (RL 2000/14/EC)

Compressors, noise-insulated

AIRPROFI SILENT Series - stationary compressors with noise-insulating housings - ideal for deployment directly in the work environment

- ▶ Designed for professional and industrial applications in which a quiet work environment is essential
- ▶ Features a Silent noise-insulation housing for deployment in sensitive areas
- ▶ The twin-cylinder, high-performance motor with two-stage compression allows for very low speeds. This helps to achieve a very smooth, virtually vibration-free action
- ▶ With premium CONDOR pressure switch
- ▶ Service-friendly layout

- ▶ Large fan flywheel and large impeller ensure optimum cooling
- ▶ Intermediate and re-cooler, in combination with an additional air duct between the motor and the compressor, reduce condensate build-up
- ▶ Premium electric motor equipped with motor protection switch
- ▶ The belt can be adjusted from the outside
- ▶ Fully automatic On/Off operation
- ▶ Equipped with all safety devices
- ▶ Completely ready for connection with all fittings

- ▶ **For 10-bar models:**
As of 7.5 kW, equipped with an automatic star-delta switch as factory standard
- ▶ **For 15-bar models:**
As of 5.5 kW, equipped with an automatic star-delta switch as factory standard



AIRPROFI 853/270/10 V Silent

The controls

- 1 Emergency stop switch
- 2 On/off switch
- 3 Operating hours counter
- 4 Pressure gauge

Features

AIRPROFI 853/10 Silent

- Motor protection switch
- Pressure gauge
- On/off switch
- Operating hour counter
- Electrical control unit
- Start-up relief
- Anti-vibration elements

Model	AIRPROFI 853/10 SILENT	AIRPROFI 853/270/10 H SILENT	AIRPROFI 1003/10 SILENT	AIRPROFI 1003/500/10 H SILENT
Art. no.	2022801	2022831	2022850	2022860

Technical Data				
Compressor system*	HOS	HOS	HOS	HOS
Highest flow rate	850 l/min	850 l/min	1,080 l/min	1,080 l/min
Fill capacity	680 l/min	680 l/min	845 l/min	845 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	-	270 l	-	500 l
Cylinders/stages	2/2	2/2	2/2	2/2
Speed	1240 rpm	1240 rpm	1100 rpm	1100 rpm
Motor output	5.5 kW*** / 400 V	5.5 kW*** / 400 V	7.5 kW/ 400 V	7.5 kW/ 400 V
Weight	155 kg	250 kg	180 kg	364 kg
Dimensions (L x W x H)	790 x 790 x 720 mm	1,690 x 790 x 1,410 mm	930 x 790 x 830 mm	2,020 x 790 x 1,610 mm
Sound pressure level L _{PA} **	67 dB(A)	67 dB(A)	73 dB(A)	73 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"

* For a description of the compressor systems refer to page 20 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

*** Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW

AIRPROFI Silent

Low noise emission of 67 db(A) - very quiet.



AIRPROFI 853/270/10 H Silent

- Interior and exterior of pressure vessel hot-dip galvanised; 15-year warranty against corrosion perforation of the vessel
- Stationary Silent models equipped as a factory standard with a pressure switch for fully-automatic switching on/off, motor circuit breaker, relief valve, pressure gauge and start-up relief,
- With non-return valve, condensate drain, ball valve and anti-vibration elements

Quality down to the details



- 1 Premium intake filter
- 2 Equipped as a factory standard with a premium **CONDOR** pressure switch
- 3 Low pressure vessel inlet temperature, thus reducing condensate build-up thanks to intercooler and re-cooler with a large cooling fin surface area

Improved cooling thanks to separate air duct between motor and compressor!



Model	AIRPROFI 703/15 SILENT	AIRPROFI 903/15 SILENT	AIRPROFI 903/500/15 H SILENT
Art. no.	2022805	2022855	2022865

Technical Data	HOS	HOS	HOS
Compressor system*	HOS	HOS	HOS
Highest flow rate	705 l/min	900 l/min	900 l/min
Fill capacity	545 l/min	675 l/min	675 l/min
Maximum pressure	15 bar	15 bar	15 bar
Pressure vessel capacity	-	-	500 l
Cylinders/stages	2/2	2/2	2/2
Speed	1045 rpm	920 rpm	920 rpm
Motor output	5.5 kW/ 400 V	7.5 kW/ 400 V	7.5 kW/ 400 V
Weight	155 kg	180 kg	410 kg
Dimensions (L x W x H)	790 x 790 x 720 mm	930 x 790 x 830 mm	2,020 x 790 x 1,610 mm
Sound pressure level L _{PA} **	70 dB(A)	70 dB(A)	70 dB(A)
Air outlet	3/4"	3/4"	3/4"

* For a description of the compressor systems refer to page 20 ** Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Screw-type compressors



Easy option for installing an exhaust air duct

- ▶ Exhaust air ducting to top or side
- ▶ Heat recovery option (p. 110)



Clean conditions in any ambient

- ▶ A cabinet pre-filtering panel (from PLUS) prevents the dust coming inside increasing air filters and belt life by 15%.



Best possible power transmission from the motor to the compressor

- ▶ Premium ribbed belt
- ▶ Long service life.



Low-noise cooling

- ▶ Intensive cooling guarantees operating safety and a low noise level
- ▶ Very quiet thanks to thermostatically controlled radial fan



Smart control and monitoring system

EasyTRONIC MICRO II (ETM II)

- ▶ In models from 2.2 to 4 kW

EasyTRONIC IV (ET IV)

- ▶ In models from 5.5 to 75 kW
- ▶ With sense of direction check (except MICRO SE)



Easy maintenance

- ▶ Oil filter and oil microfilter separator cartridge are bolted on elements and easily accessible through the front panel
- ▶ Easy removal and installation of all critical components



Maximum safety, even at high temperatures

- ▶ All oil lines are rubber hoses with steel mesh armouring



High energy saving

- ▶ High quality components
- ▶ Low power consumption
- ▶ Efficient performance.
- ▶ Low CO₂ emissions

Innovation, quality and economy - our prime objectives!



■ Quality for many years

In close partnership AIRCRAFT markets screw-type compressors by the renowned compressor manufacturer FINI. For many years, FINI has manufactured screw-type compressor stages and a full range of important components for screw compressors. The entire production process takes place at its Italian plants and is perfectly integrated thanks to the latest generation tool machines and advanced testing equipment, thus ensuring a high quality standard. A team of highly specialised engineers, dedicated to constantly developing and monitoring the produced compressor stages and designing of new components, ensures maximum reliability and flexible use. Ten different compressor stages models and a comprehensive range of accessories such as intake regulators and integrated systems for minimum pressure valves, oil filters and air de-oiling units, ensure the global success of the company and have made it one of the leading brands in industrial compressed air.

■ The unique ReVerso Profile

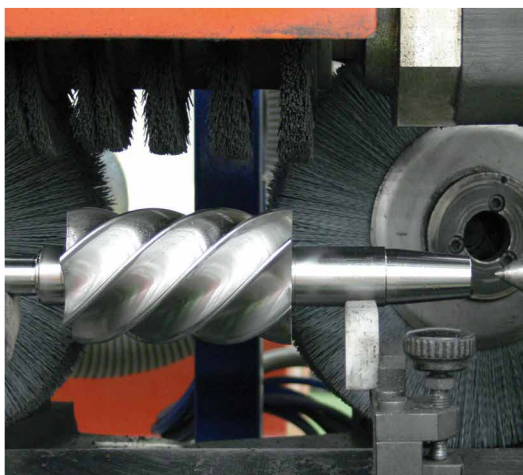
The compressor stages are characterised by rotors with an optimised profile and outstanding performance. The production process is completely integrated, thanks to the latest generation machines and advanced testing equipment to ensure a quality standard at the highest level. The unique Reverso profile of the compressor stages (a FINI patent) allows the unit to be driven by the main and auxiliary rotors. This unique property means that all planning needs can be met, both in terms of performance and with respect to drive system based on electric motors or internal combustion engines.

■ Maximum precision and repeatability

A CAD system for solid modelling enables optimisation of the component layout and assessment of their strength. The cross section of each rotor is built up in four precision-machining steps that help to achieve the highest levels of precision in implementation and repeatability. Due to this high level of structural precision each main rotor matches any auxiliary rotor. All parts are 100% factory tested before they reach the market. The compressor stages especially are individually tested after assembly and a second time after they have been installed on the complete machine. The performance of each individual element is recorded in the production database, to enable full traceability.

■ Reliable and efficient solutions

The design philosophy involves simplifying the mechanical parts. The most reliable and efficient solutions are chosen. For many years, models have thus been manufactured with coaxial, gearless direct drives, maximising the performance and reliability of the screw-type compressors. In each new development the same high standards apply in terms of performance and reliability. This means that AIRCRAFT can offer a series of compressors with a direct drive system that is unique on the market.



A-MICRO – A-PLUS

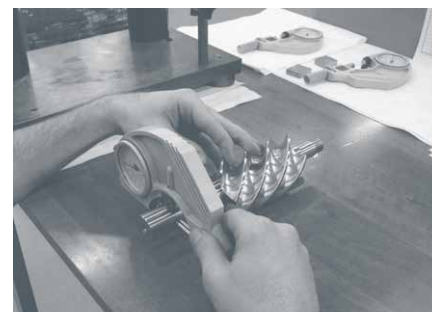
Our TARGET: efficiency, energy saving, modularity

- ▶ The new belt-driven oil injected A-MICRO- und A-PLUS screw-type compressors have been designed to minimize energy costs, without sacrificing performances.
- The modularity and flexibility of these

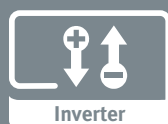
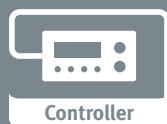
products provide multiple solutions suitable for different user's requirements: with or without tank, with or without dryer, in fixed or variable speed version.

Why an AIRCRAFT screw-type compressors?

- ▶ Lower operating costs
- ▶ Modern
- ▶ Compact
- ▶ Robust
- ▶ Reliable
- ▶ Extremely quiet
- ▶ Efficient
- ▶ Energy saving



State-of-the-art precision manufacturing of the compressors for uncompromising quality products



Energy savings thanks to frequency controlled air compressors

SpeedTronic control

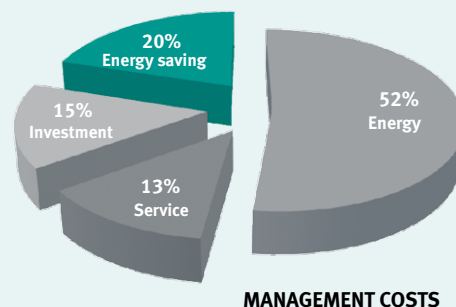
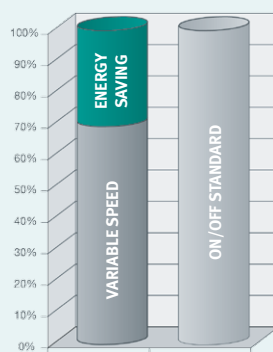
- ▶ Today, the reduction of the energy consumption has become a global challenge in terms of environmental impact.
- ▶ Reducing power consumption and protecting our valuable energy resources represents

one of the greatest global environmental challenges of our times.

- ▶ The A-PLUS series, with an output of 22, 37, 55 and 75 kW, is also available in speed controlled version, providing high performance combined

with energy saving solutions. The graph below shows the significant energy savings through using variable speed compressors in a typical installation.

- ▶ The use of a frequency inverter able to dynamically adjust the voltage/frequency/current values of the motor, helps to eliminate unnecessary power losses by constantly adjusting the amount of compressed air generated to match the actual air requirement, offering many proven advantages to the user:
- ▶ Continuous control of the motor speed and compressed air generation to precisely match the air requirement.
- ▶ The air output is constantly adjusted between 40% and 100% of the compressor full capacity.
- ▶ Constant and accurate air pressure control selectable at any value between 6 and 10 bar (13 bar on demand).
- ▶ Energy consumption is proportional to the delivered compressed air.



Overview of the series



▶ Floor mounted



▶ Includes pressure vessel



▶ Includes pressure vessel and dryer



▶ Variable speed

EasyTRONIC control

The smart control and monitoring system

EasyTRONIC MICRO II (ETM II)

Installed on models from 2.2 to 4 kW.

- ▶ Four maintenance timers (air cartridge, oil, oil filter, oil separator).
- ▶ Automatic re-start after a power failure.
- ▶ Cooling fan temperature configurable.
- ▶ Compressor remote start settable.
- ▶ Integrated phase sequence relay.



Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed:

- ▶ Working pressure (no load/load);
- ▶ Oil temperature
- ▶ Total working hours;
- ▶ On-load working hours;
- ▶ Compressor status LED (stand-by, offload, load);
- ▶ Hours remaining before maintenance

EasyTRONIC IV (ET IV)

Installed on models from 5.5 to 75 kW.

- ▶ Remote monitoring (on request) GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote support, connection with PC, smartphone and tablet, connection between neighbouring compressors).



Master/slave function (for non-frequency-controlled machines)

- ▶ It is possible to connect up to four compressors and distribute the workload to balance the operating hours. The target pressures of the various air compressors are dynamically changed.
- ▶ Precondition: All devices have FININUAIR controllers!



Controller with multi-function backlight display, the menu is alphanumeric type. In the main screen are displayed:

- ▶ Working pressure (no load/load);
- ▶ Oil temperature
- ▶ Compressor status (standby, no load, load);
- ▶ Fan status (off/on);
- ▶ Date and time
- ▶ Hours remaining before maintenance
- ▶ Inverter use percentage



Noise level overview



Master controller

EASY X4 sequence controller

Many compressed air stations include several compressors: EasyX4 is a weekly programmable controller, capable of configuring up to four compressors, based on the amount of air actually required.

EasyX4 is the easiest solution for compressor

workflow sequencing and monitoring complex compressor systems with up to four fixed- or variable-speed compressors.

The programming is intuitive. It is sufficient to set the four pressure ranges (assuming that four is the number of connected units) and then define

at what time the entire compressor station will be switched on and off; at the same time, define the pressure at which each compressor needs to operate.

Three levels of programming.

► MANUAL: The compressors are set to a defined operating pressure range;

► Automatic: The pressure ranges are swapped after a programmable interval;

► Group programming: Compressors can be switched within groups.



The menus have the classical structure of pull-down menus. The title is at the top, followed by a list of parameters or the available subfolders. The parameters are distinguished from the subfolders by a numerical value displayed next to them. You can use the and buttons to scroll the functions or parameters until the desired entry is found. The arrows top right show whether more entries exist above or below the displayed entry. After selecting the desired parameter or desired function, you can press the button to access the corresponding menu or, in the case of a parameters, make a change. If you are modifying a parameter, the value displayed next to it starts to flash. It can be changed using the and keys. To confirm a selected value, press the button. Pressing the button lets you go back to the previous menu. The parameter value is not confirmed.


Compressor status	Meaning



Model	EASY X4
Art. no.	0405531604
Technical Data	
Supply voltage	230 V AC ±15 %
Mains frequency	50/60 Hz
Max. consumption at 24 V AC	200 mA
Relay outputs	4 NC
Max. current relay	8 A res.
Digital inputs	4 + shared connection
Analogue inputs 4-20 mA	1 (12 bit)
Battery	CR2032

Functional description

Once the EASY X4 sequence controller has power, the system boots and implements the operating conditions that existed when it was switched off: "Standby" or "Active".

In "Standby" mode, the compressors are not released for operation; it is only in this mode that you can press the  button to access the menus.

In "active" operating mode, however, the EASY X4 sequence controller switches the compressors to reflect the modes and times defined by the active program and based on the pressure that exists in the system and measured by the pressure transducer.

In "Standby" mode, you can press the Start (I) button to switch the EASY X4 sequence controller to system initialisation status.

If the system pressure drops below the value entered as the [MinPressure] parameter, the compressor defined by the value [Sel. Compr:] is enabled for a time defined by the [Fill time:] parameter (this parameter can be accessed via the [Settings.] menu; cf. section "Setting the functions"). The system can thus be filled when empty (a typical example is switching on every morning), where a single compressor is used to avoid switching on all the machine connected to the EASY X4 sequence controller.

After the fill time, the EASY X4 sequence controller performs the programs entered by the user depending on the pressure and the programs active at all times and every day.

Full details of the machine status are shown on the main screen.

The possible states are: Standby, pressurised, empty, disabled and alarm state. See the "Main screen" section for a description of the symbols that indicate these states.

A malfunction occurs when the feedback on the status of the remote line switch of the active compressor (for more information on the type of message, see the "Installation" section) does not reach the EASY X4 sequence controller within the time set by the matching [Time Feedb:] parameter in the [Settings.] menu.

To prevent several compressors starting up at the same time, you can use the [Start delay:] parameter to enable starting of two successive compressors with an intermediate delay. This helps to avoid electrical overload. The EASY X4 sequence controller can be switched to "Standby" status at any time by pressing the Stop (O) button. All compressors now switch to idle mode, and stop after the idle time set on the individual machines or the local controller. See the compressor manufacturer's documentation for reading or changing this value.

If the controller does not have a power supply, the control contacts on the compressor remain closed, that is, the compressors are released for operation. This is an emergency function that allows the compressors to be operated even if they are not serviced by the EASY X4 sequence controller for external reasons (interrupted power supply, etc.). The compressors are thus operated directly in line with the pressure setpoints defined by the individual controllers or pressure monitors. See the compressor documentation for reading or changing these values.

The operating pressure ranges that are set directly on the individual controllers or pressure monitors must be higher than the pressure ranges set on the EASY X4 sequence controller.

This rules out interaction with the operating logic of the EASY X4 sequence controller.

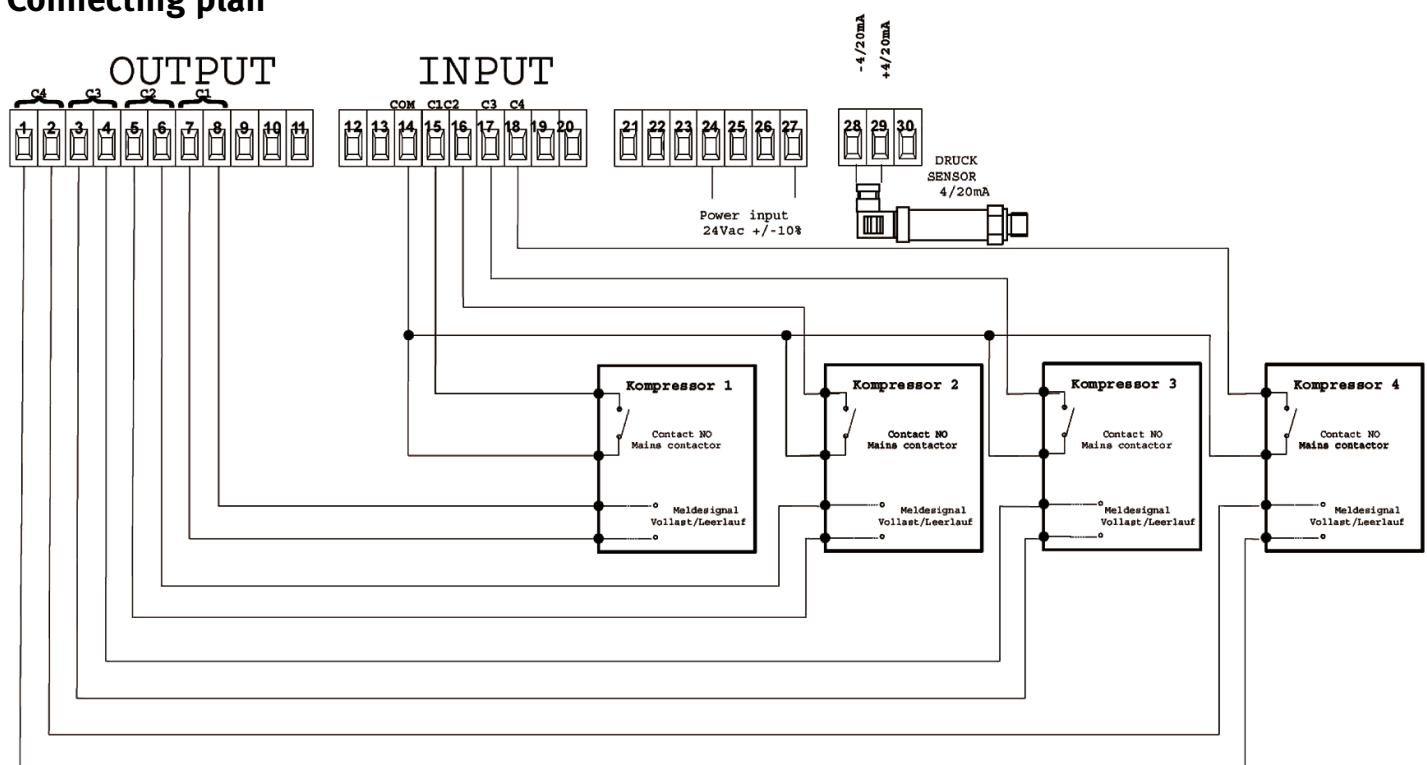
Additionally, "emergency operation" of the compressor is ensured in case of a malfunction of the EASY X4 sequence controller.

For example, if pressure ranges between 8.8 bar and 9.7 bar are set at the EASY X4 sequence controller, then the controllers or pressure monitors on the compressors must be set to below the minimum pressure value at 8.7 bar and above the maximum value at 9.8 bar.

In all cases, the pressure loss between the EASY X4 sequence controller converter installation position and the pressure measured upstream of the compressor converter must be taken into consideration.

Example: If a pressure loss of 0.4 bar is measured between the EASY X4 sequence controller converter installation position and the compressors with the system running (without a compressed air flow, the pressure loss will be zero), the compressors would need to operate at a pressure that is 0.4 bar higher taking this example into consideration. For this reason, the maximum operating pressure of the air compressors would need to be set to a value that exceeds 10.2 bar ($9.8 + 0.4$). This pressure might even exceed the maximum operating pressure of the air compressor themselves.

Connecting plan



A-MICRO SE 2.2 – 4.0: simple, silent and economical.



- ▶ The A-MICRO range is available in two versions:
- ▶ **A-MICRO "SE" 2.2 - 4 kW:** Electromechanical on/off switch with motor protection and sense of direction check
The pressure gauge and operating hour counter are included in the control panel. Easy to use, no idle running means considerable energy saving.
- ▶ **A-MICRO 4 - 5.5 kW:** star-delta starter, including ETM II electronic controller, which controls the complete operation of the machine including sense of direction checking



- ▶ Enabling the second vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve
- ▶ Helps to cover short-term peaks in compressed air requirements
- ▶ For, e.g., chisel, hammer or sandblasting work, the second vessel can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.

A-MICRO SE 2.2 - 4.0

2.2-4 kW

Available versions:

- Floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer (vessel: 200 litres)

Air-end:

FS 14



Controller:

- On/off pressure switch

Fixed speed
1,500 rpm at 230 Volt ; 3,000 rpm at 400 Volt

A-DUO-MICRO SE 4.0

4 kW

Available versions:

- Compressor + vessel
- Compressor + vessel (2 x 100l) + refrigeration dryer
- Compressor + vessel (2 x 100l) + refrigeration dryer + fine filter + oil water separator + autom. condensate drain

Air-end:

FS 14



Controller:

- On/off pressure switch

Fixed speed
3,000 rpm at 400 Volt



- ▶ Extremely quiet
- ▶ Very compact design
- ▶ Incl. sense of direction check
- ▶ Low maintenance costs
- ▶ Ease of installation and use.

- ▶ Energy saving
"Made by ABB"



- ▶ **Dryer module**
The models with tank are also available with a dryer ("K" versions): immediately ready to operate without any installation overhead.



A-MICRO 4.0-5.5

4 - 5.5 kW

Available versions:

- Floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer (vessel: 270 or 500 litres)

Air-end:

FS 14



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed speed
3,000 rpm at 400 Volt

A-MICRO SE series – Screw-type compressors with ribbed belt drive in noise-insulated housing. For permanent operations, even with low compressed air requirements.

- ▶ Space-saving, ribbed belt-driven stand-alone compressors
- ▶ Start-stop operation via pressure switch achieves energy savings compared with idling control
- ▶ Specially designed for operations with continuous compressed requirements where a compact, low-noise device with low operating costs is desirable
- ▶ Highly efficient noise-insulation allows for deployment in sensitive areas
- ▶ Intensive cooling guarantees operating safety and good air quality
- ▶ Also ideal to supplement existing systems, e.g., for covering the basic compressed air load
- ▶ With sense of direction check
- ▶ Includes thermal motor protection, oil temperature monitoring (max. 110°C) and operating hours counter as a factory standard, thus guaranteeing a high level of operational safety
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components
- ▶ Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel – 15 year guarantee against corrosion penetration



A-MICRO SE 4.0 - 10

- ▶ Fig. shows open front cover
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components

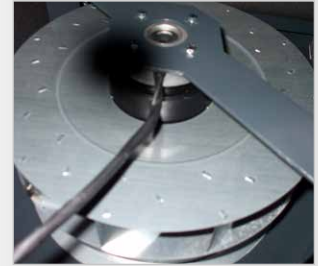


A-MICRO SE 4.0-08-200

- ▶ Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel – 15 year guarantee against corrosion penetration

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Volts	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
Model range A-MICRO SE - Screw-type compressors with ribbed belt drive (floor-mounted)**											
A-MICRO SE 2.2-10 M	10	240	2.2 3	230	58	580 x 480 x 760	1/2"	-	87	2091004	
A-MICRO SE 4.0-08 (IE3)	8	580	4 5.5	400	60	580 x 480 x 760	1/2"	-	93	2091602	
A-MICRO SE 4.0-10 (IE3)	10	485	4 5.5	400	60	580 x 480 x 760	1/2"	-	93	2091604	
Model range A-MICRO SE - Screw-type compressors with ribbed belt drive on vessel											
A-MICRO SE 2.2-10 M - 200	10	240	2.2 3	230	58	1,440 x 510 x 1,280	1/2"	200	144	2091014	
A-MICRO SE 4.0-08-200 (IE3)	8	580	4 5.5	400	60	1,440 x 510 x 1,280	1/2"	200	150	2091612	
A-MICRO SE 4.0-10-200 (IE3)	10	485	4 5.5	400	60	1,440 x 510 x 1,280	1/2"	200	150	2091614	

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13 ** Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory



- Intensive cooling guarantees operational safety and good air quality
- Extremely quiet fan by design



- Premium ribbed belt drive guarantees optimum power transmission from the motor to the compressor ensuring a long service life at the same time

Accessories



Trolley for A-MICRO Series

- For easy transportation of this handy compressor
- Available as an accessory



A-MICRO SE 4.0-08-200 K (IE3)

- ▶ On vessel with add-on refrigeration dryer

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Volts	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
A-MICRO SE 4.0-08-200 K (IE3)	8	580	4 5.5	400	60	1,440 x 510 x 1,280	1/2"	200	180	2091652	
A-MICRO SE 4.0-10-200 K (IE3)	10	485	4 5.5	400	60	1,440 x 510 x 1,280	1/2"	200	180	2091654	

Model range A-MICRO SE - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer

Accessories

Name	Art. no.
Trolley for MICRO SE series screw-type compressors	2089905
Overflow valve (recommended in screw-type compressor operations without pressure vessel)	2089910
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012



A-DUO-MICRO Series - 4 kW screw-type compressor with ribbed belt drive and 2 x 100 l vessels on safety pallet

- Screw-type compressor with ribbed belt drive
- Start-stop operation via pressure switch achieves energy savings compared with idling control
- Minimal and easy maintenance
- Completely ready for connection with all fittings
- Permanent protection against corrosion thanks to hot dip galvanised pressure vessel with 15 year guarantee against corrosion penetration



A-DUO-MICRO SE 4.0-10 2 x 100

► Figure shows standard type



A-DUO-MICRO SE 4.0-10 2 x 100 KK

► Easily transportable and deployable thanks to the safety pallet.

Scope of delivery DUO:

Anti-vibration elements

Scope of delivery DUO K:

Anti-vibration elements

Safety pallet

Refrigeration dryer

Fine filter

Scope of delivery DUO KK:

Anti-vibration elements

Safety pallet

Refrigeration dryer

Pre-/fine filter AFF0078

Autom. condensate drain AMD

Oil/water separator AOWT 2



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Volts	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
Model range A-DUO MICRO - Screw-type compressor with ribbed belt drive on 2 x 100 l vessel											
A-DUO-MICRO SE 4.0-08 2x100	8	580	4.0 5.5	400	61	1,250 x 950 x 1,430	1/2"	2 x 100	198	2091622	
A-DUO-MICRO SE 4.0-10 2x100	10	485	4.0 5.5	400	61	1,250 x 950 x 1,430	1/2"	2 x 100	198	2091624	
Model range A-MICRO K - Screw-type compressors with ribbed belt drive with built-on refrigeration dryer on 2 x 100 l vessel											
A-DUO-MICRO SE 4.0-08 2x100 K	8	580	4.0 5.5	400	61	1,250 x 950 x 1,430	1/2"	2 x 100	221	2091662	
A-DUO-MICRO SE 4.0-10 2x100 K	10	485	4.0 5.5	400	61	12.50 x 950 x 1,430	1/2"	2 x 100	221	2091664	
A-DUO MICRO KK Series - central compressed air system with 2x100 l pressure vessel.											
Refrigeration dryer, automatic condensate drain, pre-filter and condensate conditioner for oil-water separation											
A-DUO-MICRO SE 4.0-08 2x100 KK	8	580	4.0 5.5	400	61	1,250 x 950 x 1,430	1/2"	2 x 100	228	2091682	
A-DUO-MICRO SE 4.0-10 2x100 KK	10	485	4.0 5.5	400	61	1,250 x 950 x 1,430	1/2"	2 x 100	228	2091684	

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13



- Automatic condensate drain on pressure vessel



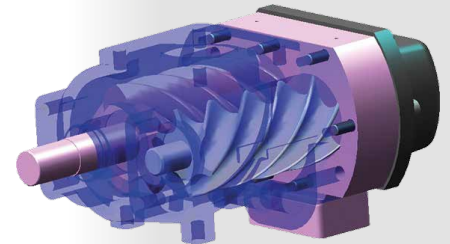
- Condensate conditioner for oil-water separation



- Microfilter installed as filter upstream of compressed air take-off for separating condensate and solid dirt with particles of up to 1 µm
- Compressed air quality as per ISO 8573-1



- KK variant with automatic condensate drain as a factory standard
- for reliable and economic condensate draining without unnecessary compressed air loss



- Screw-type compressor with ribbed belt drive
- Minimum energy consumption
- Very quiet



A-DUO-MICRO SE 4.0-10 2 x 100 KK

Flexibility on top

- For, e.g., chisel, hammer or sandblasting work, the second vessel can be isolated from the compressed air supply. This halves the vessel volume helping to build up the pressure more quickly.
- Helps to cover short-term peaks in compressed air requirements
- For, e.g., chisel hammer or sandblasting work, you can disconnect the second pressure vessel from the compressed air supply; this halves the vessel volume, and helps to build up the pressure more quickly

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012



A-MICRO series – Screw-type compressors with ribbed belt drive in noise-insulated housing. For permanent operations, even with low compressed air requirements.

- ▶ Space-saving, ribbed belt-driven stand-alone compressors
- ▶ ETM II controller incl. sense of direction checking
- ▶ Specially designed for operations with continuous compressed requirements where a compact, low-noise device with low operating costs is desirable
- ▶ Highly efficient noise-insulation allows for deployment in sensitive areas
- ▶ Intensive cooling guarantees operating safety and good air quality
- ▶ Also ideal to supplement existing systems, e.g., for covering the basic compressed air load
- ▶ Includes thermal motor protection, oil temperature monitoring (max. 110°C) and operating hours counter as a factory standard, thus guaranteeing a high level of operational safety
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components
- ▶ Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel – 15 year guarantee against corrosion penetration



A-MICRO 4.0-10

- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components



A-MICRO 4.0-10 - 200

Type	Maximum pressure	Effective delivery volume	Motor output		Noise	Dimensions (LxWxH)	Connection	Vessel capacity	Weight	Art. no.
	bar	l/min	kW	HP	in dB(A)*	mm	G	l	kg	
A-MICRO model range - Screw-type compressors with ribbed belt drive (floor-mounted)**										
A-MICRO 4.0-08 (IE3)	8	580	4	5.5	60	580 x 480 x 760	1/2"	–	94	2091602-S
A-MICRO 4.0-10 (IE3)	10	485	4	5.5	60	580 x 480 x 760	1/2"	–	94	2091604-S
A-MICRO 4.0-13 (IE3)	13	330	4	5.5	60	580 x 480 x 760	1/2"	–	94	2091606-S
A-MICRO 5.5-08 (IE3)	8	720	5.5	7.5	64	600 x 520 x 780	1/2"	–	125	2091802
A-MICRO 5.5-10 (IE3)	10	650	5.5	7.5	64	600 x 520 x 780	1/2"	–	125	2091804
A-MICRO 5.5-13 (IE3)	13	485	5.5	7.5	64	600 x 520 x 780	1/2"	–	125	2091806
A-MICRO model range - Screw-type compressors with ribbed belt drive on vessel										
A-MICRO 4.0-08-200 (IE3)	8	580	4	5.5	60	1,440 x 510 x 1,280	1/2"	200	151	2091612-S
A-MICRO 4.0-10-200 (IE3)	10	485	4	5.5	60	1,440 x 510 x 1,280	1/2"	200	151	2091614-S
A-MICRO 5.5-08-270 (IE3)	8	720	5.5	7.5	64	1,560 x 570 x 1,390	1/2"	270	185	2091822
A-MICRO 5.5-10-270 (IE3)	10	650	5.5	7.5	64	1,560 x 570 x 1,390	1/2"	270	185	2091824

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13 ** Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory

New



- Intensive cooling guarantees operational safety and good air quality
- Extremely quiet fan by design



- Premium ribbed belt drive guarantees optimum power transmission from the motor to the compressor ensuring a long service life at the same time

Accessories



Trolley for A-MICRO Series

- For easy transportation of this handy compressor
- Available as an accessory



A-MICRO 4.0-08-270 K

Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel – 15 year guarantee against corrosion penetration

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.
A-MICRO model range - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer									
A-MICRO 4.0-08-200 K (IE3)	8	580	4 5.5	60	1,440 x 510 x 1,280	1/2"	200	181	2091652-S
A-MICRO 4.0-10-200 K (IE3)	10	485	4 5.5	60	1,440 x 510 x 1,280	1/2"	200	181	2091654-S
A-MICRO 5.5-08-270 K (IE3)	8	720	5.5 7.5	64	1,560 x 570 x 1,390	1/2"	270	215	2091862
A-MICRO 5.5-10-270 K (IE3)	10	650	5.5 7.5	64	1,560 x 570 x 1,390	1/2"	270	215	2091864

Accessories

Name	Art. no.
Trolley for MICRO SE series screw-type compressors	2089905
Overflow valve (recommended in screw-type compressor operations without pressure vessel)	2089910
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012



A-PLUS 7 - 22 kW: new design, high performance.

New

► All important components of the compressor are machined in-house with highly innovative process controlled machines: this allows full control on the production cycle and over the total quality of the complete compressor.

► The cooling air flow, channelled by the thermostatic controlled centrifugal fan, cools down a generously dimensioned combined oil/air heat exchanger: this permits the compressor to run also in severe temperature conditions.



- Extremely quiet
- Low maintenance costs
- Ease of installation and use.
- High-performance screw air-ends
- Ease of access for routine maintenance
- Pre-filtering panel

A-PLUS 8-11-15



► **Dryer module**
The Plus 18.5, 22, 31 and 38 models with dryer module (ES) provide clean, dry air that improves the system's reliability, avoids costly downtime and production delays, and safeguards the quality of the final product.

A-PLUS 18.5-22

7.5-15 kW

Available versions:

- floor mounted compressor
 - Compressor + vessel
 - Compressor + vessel + refrigeration dryer
- (Vessel: 270 or 500 litres)

Air-end:
FS26 TF



Controller:

EasyTRONIC MICRO II (ETM II)



Fixed speed

18.5-22 kW

Available versions:

- Base compressor
- Compressor + refrigeration dryer

Air-end:
FS50 TF



Controller:

EasyTRONIC IV (ET IV)



Fixed or variable speed (A-Plus 22 VS)

A-PLUS 30 - 75 kW: a quality choice.

New

- ▶ Extremely quiet
- ▶ High-performance screw air-ends
- ▶ Ease of access for routine maintenance
- ▶ Low maintenance costs
- ▶ Ease of installation and use.
- ▶ Pre-filtering panel

Clean conditions in any ambient ▶
A cabinet pre-filtering panel (standard from 18.5 kW) prevents the dust coming inside increasing air filters and belt life by 15%.



A-PLUS 31-38



A-PLUS 45-55



A-PLUS 56-75

30-37 kW

45-55 kW

55-75 kW

Available versions:

- Base compressor
- Compressor + refrigeration dryer

Available versions:

- Base compressor

Available versions:

- Base compressor

Air-end:

FS 100
FS 130



Air-end:

FS 130



Air-end:

FS 250



Controller:

EasyTRONIC IV (ET IV)



Controller:

EasyTRONIC IV (ET IV)



Controller:

EasyTRONIC IV (ET IV)



Fixed or variable speed (A-Plus 38 VS)

Fixed Speed

Fixed or variable speed (A-Plus 56 and A-Plus 75 VS)

A-Plus series - belt-driven screw-type compressors for permanent operation and 100% load - designed for maximum operating safety.

- ▶ Thanks to direct coupling of the motor and compressor stage, the complete electric motor output is transferred to the compressor stage, thus ensuring maximum efficiency.
- ▶ Equipped with a star delta switch as factory standard
- ▶ With the EasyTRONIC MICRO II electronic control unit featuring pressure sensor control as a factory standard – prevents motor overload, reduces wear and prolongs service life
- ▶ Excellent cooling performance and low noise thanks to thermostatically controlled radial fan
- ▶ Includes operating hours counter for logging load and post-run times; this ensures compliance with maintenance intervals – displays an automatic message to indicate that maintenance is due
- ▶ With sense of direction checking for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- ▶ Easy maintenance due to easily accessible elements



A-PLUS 8-08

- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components



A-PLUS 8-08-270

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted)**										
A-PLUS 8-08 (IE3)	8	1,250	7.5 10	68	800 x 700 x 980	3/4"	–	185	2092202	
A-PLUS 8-10 (IE3)	10	1,000	7.5 10	68	800 x 700 x 980	3/4"	–	185	2092204	
A-PLUS 8-13 (IE3)	13	750	7.5 10	68	800 x 700 x 980	3/4"	–	185	2092206	
A-PLUS 11-08 (IE3)	8	1,650	11 15	69	800 x 700 x 980	3/4"	–	200	2092402	
A-PLUS 11-10 (IE3)	10	1,500	11 15	69	800 x 700 x 980	3/4"	–	200	2092404	
A-PLUS 11-13 (IE3)	13	1,100	11 15	69	800 x 700 x 980	3/4"	–	200	2092406	
A-PLUS 15-08 (IE3)	8	2,150	15 20	70	800 x 700 x 980	3/4"	–	235	2092602	
A-PLUS 15-10 (IE3)	10	1,850	15 20	70	800 x 700 x 980	3/4"	–	235	2092604	
A-PLUS 15-13 (IE3)	13	1,500	15 20	70	800 x 700 x 980	3/4"	–	235	2092606	
A-PLUS 16-08 (IE3)	8	2,350	15 20	68	800 x 700 x 980	3/4"	–	240	2092802	
A-PLUS 16-10 (IE3)	10	2,050	15 20	68	800 x 700 x 980	3/4"	–	240	2092804	
A-PLUS 16-13 (IE3)	13	1,750	15 20	68	800 x 700 x 980	3/4"	–	240	2092806	
A-PLUS model range - Screw-type compressors with ribbed belt drive on vessel										
A-PLUS 8-08-270 (IE3)	8	1,250	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	245	2092222	
A-PLUS 8-10-270 (IE3)	10	1,000	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	245	2092224	
A-PLUS 8-13-270 (IE3)	13	750	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	245	2092226	
A-PLUS 11-08-270 (IE3)	8	1,650	11 15	69	1,550 x 700 x 1,510	3/4"	270	260	2092422	
A-PLUS 11-10-270 (IE3)	10	1,500	11 15	69	1,550 x 700 x 1,510	3/4"	270	260	2092424	
A-PLUS 11-13-270 (IE3)	13	1,100	11 15	69	1,550 x 700 x 1,510	3/4"	270	260	2092426	
A-PLUS 8-08-500 (IE3)	8	1,250	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	307	2092232	
A-PLUS 8-10-500 (IE3)	10	1,000	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	307	2092234	
A-PLUS 8-13-500 (IE3)	13	750	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	307	2092236	
A-PLUS 11-08-500 (IE3)	8	1,650	11 15	69	1,980 x 700 x 1,630	3/4"	500	322	2092432	
A-PLUS 11-10-500 (IE3)	10	1,500	11 15	69	1,980 x 700 x 1,630	3/4"	500	322	2092434	
A-PLUS 11-13-500 (IE3)	13	1,100	11 15	69	1,980 x 700 x 1,630	3/4"	500	322	2092436	
A-PLUS 15-08-500 (IE3)	8	2,150	15 20	70	1,980 x 700 x 1,630	3/4"	500	357	2092632	
A-PLUS 15-10-500 (IE3)	10	1,850	15 20	70	1,980 x 700 x 1,630	3/4"	500	357	2092634	
A-PLUS 15-13-500 (IE3)	13	1,500	15 20	70	1,980 x 700 x 1,630	3/4"	500	357	2092636	
A-PLUS 16-08-500 (IE3)	8	2,350	15 20	68	1,980 x 700 x 1,630	3/4"	500	362	2092832	
A-PLUS 16-10-500 (IE3)	10	2,050	15 20	68	1,980 x 700 x 1,630	3/4"	500	362	2092834	
A-PLUS 16-13-500 (IE3)	13	1,750	15 20	68	1,980 x 700 x 1,630	3/4"	500	362	2092836	

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13 ** Use of an overflow valve recommended in screw-type compressor operations without pressure vessel - available as an accessory

New



- ▶ Optimum operating temperatures thanks to thermostatically controlled fan, optimum cooling air guidance and generously dimensioned heat exchangers, thus ensuring a longer service life and less oil temperature fluctuation than with thermostat control

- ▶ Factory standard re-cooler reduces overhead for drying and filtration of the generated compressed air
- ▶ Small footprint facilitates transport and deployment



A-PLUS 16-10-500 K

- ▶ Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel – 15 year guarantee against corrosion penetration



- All oil lines are rubber hoses with steel mesh armouring
- This ensures maximum safety, even at high temperatures



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan



- Oil filter and oil microfilter separator cartridge are bolted on elements and easily accessible through the front panel

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
------	-------------------------	------------------------------------	-------------------------	--------------------	-----------------------------	-----------------	----------------------	--------------	----------	--

Model range A-PLUS K - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer

A-PLUS 8-08-270 K (IE3)	8	1,250	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	343	2092262	
A-PLUS 8-10-270 K (IE3)	10	1,000	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	343	2092264	
A-PLUS 8-13-270 K (IE3)	13	750	7.5 10	68	1,550 x 700 x 1,510	3/4"	270	343	2092266	
A-PLUS 11-08-270 K (IE3)	8	1,650	11 15	69	1,550 x 700 x 1,510	3/4"	270	363	2092462	
A-PLUS 11-10-270 K (IE3)	10	1,500	11 15	69	1,550 x 700 x 1,510	3/4"	270	363	2092464	
A-PLUS 11-13-270 K (IE3)	13	1,100	11 15	69	1,550 x 700 x 1,510	3/4"	270	363	2092466	
A-PLUS 8-08-500 K (IE3)	8	1,250	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	375	2092272	
A-PLUS 8-10-500 K (IE3)	10	1,000	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	375	2092274	
A-PLUS 8-13-500 K (IE3)	13	750	7.5 10	68	1,980 x 700 x 1,630	3/4"	500	375	2092276	
A-PLUS 11-08-500 K (IE3)	8	1,650	11 15	69	1,980 x 700 x 1,630	3/4"	500	395	2092472	
A-PLUS 11-10-500 K (IE3)	10	1,500	11 15	69	1,980 x 700 x 1,630	3/4"	500	395	2092474	
A-PLUS 11-13-500 K (IE3)	13	1,100	11 15	69	1,980 x 700 x 1,630	3/4"	500	395	2092476	
A-PLUS 15-08-500 K (IE3)	8	2,150	15 20	70	1,980 x 700 x 1,630	3/4"	500	436	2092672	
A-PLUS 15-10-500 K (IE3)	10	1,850	15 20	70	1,980 x 700 x 1,630	3/4"	500	436	2092674	
A-PLUS 15-13-500 K (IE3)	13	1,500	15 20	70	1,980 x 700 x 1,630	3/4"	500	436	2092676	
A-PLUS 16-08-500 K (IE3)	8	2,350	15 20	68	1,980 x 700 x 1,630	3/4"	500	436	2092872	
A-PLUS 16-10-500 K (IE3)	10	2,050	15 20	68	1,980 x 700 x 1,630	3/4"	500	436	2092874	
A-PLUS 16-13-500 K (IE3)	13	1,750	15 20	68	1,980 x 700 x 1,630	3/4"	500	436	2092876	

Accessories

Name	Art. no.
Overflow valve (recommended in screw-type compressor operations without pressure vessel)	2089910
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



A-PLUS Series - Screw-type compressors with ribbed belt drive for permanent operation at 100% load.

- ▶ Noise-insulated screw-type compressor with ribbed belt drive (Poly V with high wear resistance) and slide clamping system
- ▶ The focus in this compressor's design was on energy efficiency, low maintenance costs, ease of installation and user-friendliness
- ▶ Equipped with EasyTRONIC IV electronic control incl. pressure sensor operation as a factory standard, thus avoiding motor overload, reducing wear and extended the service life
- ▶ Post-run timer control via control unit for individual accommodation of actual operating situation
- ▶ With sense of direction checking for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- ▶ Monitoring of the operating pressure by means of a pressure sensor guarantees reliable, long-term stability in operations - the pressure sensor supports changes to the operating pressure directly via the control electronics without any mechanical intervention
- ▶ Includes operating hours counter for logging load and post-run times; this ensures compliance with maintenance intervals - displays an automatic message to indicate that maintenance is due
- ▶ Factory standard re-cooler reduces overhead for drying and filtering the compressed air generated
- ▶ Easy to maintain due to optimum accessibility of all components
- ▶ Simple removal and installation of all components that require regular maintenance
- ▶ The low noise level and the device's compact design, support deployment in a wide variety of working environments
- ▶ Easy transportation and ease of installation due to standard pallet-sized dimensions - footprint of less than 1 m²



A-PLUS 22-10

- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output		Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.	
			kW	HP							
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted)**											
A-PLUS 18.5-08 (IE3)	8	2,800	18.5	25	66	1,350 x 800 x 1,130	3/4"	—	350	2093202	
A-PLUS 18.5-10 (IE3)	10	2,500	18.5	25	66	1,350 x 800 x 1,130	3/4"	—	350	2093204	
A-PLUS 18.5-13 (IE3)	13	2,150	18.5	25	66	1,350 x 800 x 1,130	3/4"	—	350	2093206	
A-PLUS 22-08 (IE3)	8	3,350	22	30	68	1,350 x 800 x 1,130	3/4"	—	380	2093402	
A-PLUS 22-10 (IE3)	10	3,000	22	30	68	1,350 x 800 x 1,130	3/4"	—	380	2093404	
A-PLUS 22-13 (IE3)	13	2,400	22	30	68	1,350 x 800 x 1,130	3/4"	—	380	2093406	
A-PLUS-K model range - Screw-type compressor with ribbed belt drive (floor-mounted with refrigeration dryer)											
A-PLUS 18.5-08 K (IE3)	8	2,800	18.5	25	66	1,690 x 800 x 1,130	3/4"	—	400	2093242	
A-PLUS 18.5-10 K (IE3)	10	2,500	18.5	25	66	1,690 x 800 x 1,130	3/4"	—	400	2093244	
A-PLUS 18.5-13 K (IE3)	13	2,150	18.5	25	66	1,690 x 800 x 1,130	3/4"	—	400	2093246	
A-PLUS 22-08 K (IE3)	8	3,350	22	30	68	1,690 x 800 x 1,130	3/4"	—	430	2093442	
A-PLUS 22-10 K (IE3)	10	3,000	22	30	68	1,690 x 800 x 1,130	3/4"	—	430	2093444	
A-PLUS 22-13 K (IE3)	13	2,400	22	30	68	1,690 x 800 x 1,130	3/4"	—	430	2093446	

*Sound pressure level at 1 m distance as per DIN 45635 T 13



A-PLUS 18.5-10 K



- Flexible oil line
- Maximum safety, even at high temperatures



- Excellent cooling performance and low noise thanks to thermostatically controlled radial fan

Energy savings thanks to frequency controlled air compressors

SpeedTronic control

- Today, the reduction of the energy consumption has become a global challenge in terms of environmental impact.
- Reducing power consumption and protecting our valuable energy resources represents one of the greatest global environmental

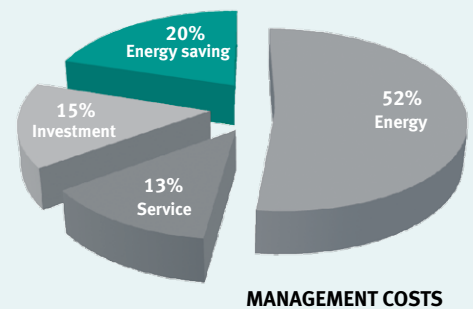
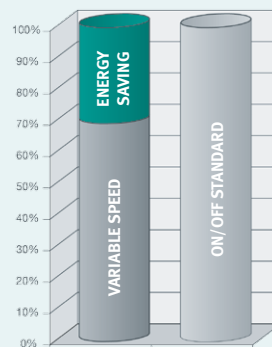
challenges of our times.

- The A-PLUS series, with an output of 22, 37, 55 and 75 kW, is also available in speed controlled version, providing high performance combined with energy saving solutions.

- The graph below shows the significant energy savings through using variable speed compressors in a typical installation.

The use of a frequency inverter able to dynamically adjust the voltage/frequency/current values of the motor, helps to eliminate unnecessary power losses by constantly adjusting the amount of compressed air generated to match the actual air requirement, offering many proven advantages to the user:

- Continuous control of the motor speed and compressed air generation to precisely match the air requirement.
- The air output is constantly adjusted between 50% and 100% of the compressor full capacity.
- Constant and accurate air pressure control selectable at any value between 6 and 10 bar (13 bar on demand).
- Energy consumption is proportional to the delivered compressed air.



Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW	HP	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control)										
A-PLUS 22-08 VS (IE3)	8	3,350 / 1,350	22	30	68	1,350 x 800 x 1,130	3/4"	—	390	2093502
A-PLUS 22-10 VS (IE3)	10	3,050 / 1,220	22	30	68	1,350 x 800 x 1,130	3/4"	—	390	2093504
A-PLUS VS K model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control and add-on refrigeration dryer)										
A-PLUS 22-08 VS K (IE3)	8	3,350 / 1,350	22	30	68	1,690 x 800 x 1,130	3/4"	—	440	2093542
A-PLUS 22-10 VS K (IE3)	10	3,050 / 1,220	22	30	68	1,690 x 800 x 1,130	3/4"	—	440	2093544

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



A-PLUS Series - Noise-insulated screw-type compressors from 30 to 75 kW

- ▶ All main components of the air compressor are manufactured with the help of numerically controlled toolmaking machines, including the intake controller, separator block and minimum pressure valve.
- ▶ Cooling is via a temperature-controlled radial fan and a generously dimensioned combination cooler. This guarantees optimum cooling, even under the most extreme conditions of use.
- ▶ Large access panels allow for easy maintenance and immediate checking of the internal components, thus reducing the time required for inspection and maintenance to a minimum.
- ▶ IE3 motor "Made by ABB"
- ▶ The most important operating parameters are monitored by the electronic EasyTRONIC IV: in addition to a variety of functions, there is a week timer for switching on and off to meet all of the user's requirements. Additionally, up to four machines can be controlled simultaneously based on the master/slave principle.



A-PLUS 38-10



A-PLUS 45-10

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output		Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Weight kg	Art. no.	
A-PLUS model range - Screw-type compressors with ribbed belt drive (floor-mounted)**										
A-PLUS 31-08 (IE3)	8	4,700	30	40	70	1,530 x 830 x 1,440	1 -1/4"	630	2093602	
A-PLUS 31-10 (IE3)	10	4,200	30	40	70	1,530 x 830 x 1,440	1 -1/4"	630	2093604	
A-PLUS 31-13 (IE3)	13	3,400	30	40	70	1,530 x 830 x 1,440	1 -1/4"	630	2093606	
A-PLUS 38-08 (IE3)	8	6,000	37	50	68	1,530 x 830 x 1,440	1 -1/4"	700	2093802	
A-PLUS 38-10 (IE3)	10	5,300	37	50	68	1,530 x 830 x 1,440	1 -1/4"	700	2093804	
A-PLUS 38-13 (IE3)	13	4,000	37	50	68	1,530 x 830 x 1,440	1 -1/4"	700	2093806	
A-PLUS 45-08 (IE3)	7.5	7,200	45	60	72	1,600 x 970 x 1,860	1 -1/2"	910	2094202	
A-PLUS 45-10 (IE3)	10	6,500	45	60	72	1,600 x 970 x 1,860	1 -1/2"	910	2094204	
A-PLUS 45-13 (IE3)	13	5,100	45	60	72	1,600 x 970 x 1,860	1 -1/2"	910	2094206	
A-PLUS 55-08 (IE3)	7.5	8,600	55	75	74	1,600 x 970 x 1,860	1 -1/2"	952	2094402	
A-PLUS 55-10 (IE3)	10	7,800	55	75	74	1,600 x 970 x 1,860	1 -1/2"	952	2094404	
A-PLUS 55-13 (IE3)	13	6,400	55	75	74	1,600 x 970 x 1,860	1 -1/2"	952	2094406	
A-PLUS 56-08 (IE3)	7.5	9,300	55	75	70	1,800 x 1,100 x 2,150	2"	1650	2094602	
A-PLUS 56-10 (IE3)	10	8,300	55	75	70	1,800 x 1,100 x 2,150	2"	1650	2094604	
A-PLUS 56-13 (IE3)	13	7,000	55	75	70	1,800 x 1,100 x 2,150	2"	1650	2094606	
A-PLUS 75-08 (IE3)	7.5	12,200	75	100	72	1,800 x 1,100 x 2,150	2"	1720	2094802	
A-PLUS 75-10 (IE3)	10	10,500	75	100	72	1,800 x 1,100 x 2,150	2"	1720	2094804	
A-PLUS 75-13 (IE3)	13	8,300	75	100	72	1,800 x 1,100 x 2,150	2"	1720	2094806	

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

New



A-PLUS 75-10 VS



Minimum pressure valve

- Made of oxidation-resistant material
- Great care in manufacturing ensures reliable operation even under the most extreme conditions.



Pre-filter panel

- The cell is equipped with a pre-filter panel that keeps back the dust and ensures that the interior of the machine stays clean.

Energy savings thanks to frequency controlled air compressors

- ▶ Today, the reduction of the energy consumption has become a global challenge in terms of environmental impact.
- ▶ Reducing power consumption and protecting our valuable energy resources represents one

of the greatest global environmental challenges of our times.

- ▶ The A-PLUS series, with outputs of 22, 37, 55 and 75 kW, is also available in speed controlled version, providing high performance combined

with energy saving solutions. **The graph below shows the significant energy saving using variable speed compressors in a typical installation.**

SpeedTronic control

Type	Maximum pressure	Effective delivery volume	Motor output		Noise	Dimensions (LxWxH)	Connection	Weight	Art. no.	
	bar	l/min	kW	HP	in dB(A)*	mm	G	kg		
A-PLUS-K model range - Screw-type compressor with ribbed belt drive (floor-mounted with refrigeration dryer)										
A-PLUS 31-08 K (IE3)	8	4,700	30	40	70	1,530 x 830 x 1,440	1 -1/4"	710	2093642	
A-PLUS 31-10 K (IE3)	10	4,200	30	40	70	1,530 x 830 x 1,440	1 -1/4"	710	2093644	
A-PLUS 31-13 K (IE3)	13	3,400	30	40	70	1,530 x 830 x 1,440	1 -1/4"	710	2093646	
A-PLUS 38-08 K (IE3)	8	6,000	37	50	68	1,860 x 830 x 1,440	1 -1/4"	780	2093842	
A-PLUS 38-10 K (IE3)	10	5,300	37	50	68	1,860 x 830 x 1,440	1 -1/4"	780	2093844	
A-PLUS 38-13 K (IE3)	13	4,000	37	50	68	1,860 x 830 x 1,440	1 -1/4"	780	2093846	
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control)										
A-PLUS 38-08 VS (IE3)	8	5,900 / 2,350	37	50	72	1,530 x 830 x 1,440	1 -1/4"	725	2093902	
A-PLUS 38-10 VS (IE3)	10	5,200 / 2,050	37	50	72	1,530 x 830 x 1,440	1 -1/4"	725	2093904	
A-PLUS 56-08 VS (IE3)	7.5	9,300 / 3,700	55	75	70	1,800 x 1,100 x 2,150	2"	1686	2094702	
A-PLUS 56-10 VS (IE3)	10	8,300 / 3,300	55	75	70	1,800 x 1,100 x 2,150	2"	1686	2094704	
A-PLUS 75-08 VS (IE3)	7.5	12,200 / 48.00	75	100	72	1,800 x 1,100 x 2,150	2"	1756	2094902	
A-PLUS 75-10 VS (IE3)	10	10,500 / 4,200	75	100	72	1,800 x 1,100 x 2,150	2"	1756	2094904	
A-PLUS VS model range - Screw-type compressor with ribbed belt drive (floor-mounted with frequency control and add-on refrigeration dryer)										
A-PLUS 38-08 K VS (IE3)	8	5,900 / 2,350	37	50	72	1,860 x 830 x 1,440	1 -1/4"	805	2093942	
A-PLUS 38-10 K VS (IE3)	10	5,200 / 2,050	37	50	72	1,860 x 830 x 1,440	1 -1/4"	805	2093944	

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



Long Life Kit for screw compressors scheduled maintenance

- **FSN original spare parts** have been rigorously selected, checked and tested by specialized technicians to ensure the utmost efficiency and endurance of the compressor.
- Specialized staff is continuously in contact with our distribution centres worldwide, to deliver spare parts to our customers in the least time possible.
- The use of **FSN Long Life Kit**, specifically studied for screw compressors, extends maintenance intervals, cutting down service costs and ensuring consistent product performance, with consequential energy saving.
- Warranty claims can only be accepted if you use original parts.

Maintenance interval, using non original parts

Maintenance interval, using original parts **+20%**



SCHEDULED MAINTENANCE MICRO SE 2,2 - 4 kW

		1.000 h (oder jährlich)	2.000 h (oder jährlich)	4.000 h	6.000 h	8.000 h	12.000 h	16.000 h
		· 1 Air filter cartridge	· 1 Air filter cartridge · Oil filter cartridge · 1 Separator cartridge	· 1 x KIT A · Oil check valve	· 1 x KIT A · 1 Poly-V belt	· 1 x KIT B · 1 Minimum pressure valve kit	· 1 x KIT D · 1 Poly-V belt · 1 Solenoid valve	· 1 x KIT D · 1 Air-end
2,2 - 4 kW	Commodity group	1.000 h	KIT A	KIT B	KIT C	KIT D	KIT E	KIT F
MICRO SE 2.2-10 M	285	0017092000	0260KTA00E	0260KTB00E	0260KTC00E	0260KTD00E	0260KTE00E	0260KTF00E
MICRO SE 2.2-08	285				0260KTC01E		0260KTE01E	
MICRO SE 2.2-10	285				0260KTC02E		0260KTE02E	
MICRO SE 3.0-08	285				0260KTC03E		0260KTE03E	
MICRO SE 3.0-10	285				0260KTC04E		0260KTE04E	
MICRO SE 4.0-08	285				0260KTC05E		0260KTE05E	
MICRO SE 4.0-10	285							

Name	Art. no.
Air filter cartridge	0017092000
LLK 2000H MIC.2,2-5,5	0260KTA00E
LLK 4000H MIC.2,2-5,5	0260KTB00E
LLK 6000H MIC.SE 2,2-10M	0260KTC00E
LLK 6000H MIC.SE 2,2-08	0260KTC01E
LLK 6000H MIC.SE 2,2-10	0260KTC02E
LLK 6000H MIC.SE3,0-TA 4-13 5	0260KTC03E
LLK 6000H MIC.SE/TA 4,0-08 5,5	0260KTC04E
LLK 6000H MIC.SE/TA 4,0-10 5,5	0260KTC05E

Name	Art. no.
LLK 8000H MIC.2,2-5,5	0260KTD00E
LLK 12000H MIC.SE 2,2-10M	0260KTE00E
LLK 12000H MIC.SE 2,2-08	0260KTE01E
LLK 12000H MIC.SE 2,2-10	0260KTE02E
LLK 12000H MIC.SE 3.0 8-10B	0260KTE03E
LLK 12000H MIC.SE 4.0 8B	0260KTE04E
LLK 12000H MIC.SE 4 0 10B	0260KTE05E
LLK 16000H MIC.2,2-5,5	0260KTF00E



SCHEDULED MAINTENANCE MICRO 4 - 5,5 kW


		1.000 h (oder jährlich)	2.000 h (oder jährlich)	4.000 h	6.000 h	8.000 h	12.000 h	16.000 h
		· 1 Air filter cartridge	· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge	· 1 x KIT A · Oil check valve	· 1 x KIT A · 1 Poly-V belt	· 1 x KIT B · 1 Minimum pressure valve kit	· 1 x KIT D · 1 Poly-V belt · 1 Solenoid valve	· 1 x KIT D · 1 Air-end
4 - 5,5 kW	Commodity group	1.000 h	KIT A	KIT B	KIT C	KIT D	KIT E	KIT F
MICRO 4.0-08	285	0017092000	0260KTA00E	0260KTB00E	0260KTC04E	0260KTD00E	0260KTE27E	0260KTF00E
MICRO 4.0-10	285				0260KTC05E		0260KTE28E	
MICRO 4.0-13	285				0260KTC03E		0260KTE29E	
MICRO 5.5-08	285				0260KTC04E		0260KTE27E	
MICRO 5.5-10	285				0260KTC05E		0260KTE28E	
MICRO 5.5-13	285							

Name	Art. no.
Air filter cartridge	0017092000
LLK 2000H MIC.2,2-5,5	0260KTA00E
LLK 4000H MIC.2,2-5,5	0260KTB00E
LLK 6000H MIC.SE3,0-TA 4-13 5	0260KTC03E
LLK 6000H MIC.SE/TA 4,0-08 5,5	0260KTC04E
LLK 6000H MIC.SE/TA 4,0-10 5,5	0260KTC05E

Name	Art. no.
LLK 8000H MIC.2,2-5,5	0260KTD00E
LLK 12000H MIC.TA 4.0 8B-5 10B	0260KTE27E
LLK 12000H MIC.TA 4.0 10B-5 8B	0260KTE28E
LLK 12000H MIC.TA 4.0 13B-5 8B	0260KTE29E
LLK 16000H MIC.2,2-5,5	0260KTF00E



SCHEDULED MAINTENANCE PLUS 7,5 - 15 kW




		1.000 h (oder jährlich)	2.000 h (oder jährlich)	4.000 h	8.000 h	12.000 h	20.000 h	
		· 1 Air filter cartridge	· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge	· 1 x KIT A · Oil check valve	· 1 x KIT B · 1 Minimum pressure valve kit · 1 Poly-V belt	· 1 x KIT B · 1 Solenoid valve	· 1 x KIT E · 1 Air-end	
7,5 - 15 kW	Commodity group	1.000 h	KIT A	KIT B	KIT D	KIT E	KIT F	
PLUS 8-08	285	0017092000	0260KTA01E	0260KTB01E	0260KTD01E	0260KTE07E	0260KTG00E	
PLUS 8-10	285				0260KTD02E		0260KTG01E	
PLUS 8-13	285				0260KTD01E		0260KTG00E	
PLUS 11-08	285	0017093000	0260KTA02E	0260KTB02E	0260KTD03E	0260KTE08E	0260KTG02E	
PLUS 11-10	285				0260KTD04E		0260KTG03E	
PLUS 11-13	285				0260KTD05E		0260KTG04E	
PLUS 15-08	285				0260KTD04E		0260KTG02E	
PLUS 15-10	285						0260KTG05E	
PLUS 15-13	285						0260KTG06E	
PLUS 16-08	285						0260KTG07E	
PLUS 16-10	285						0260KTG08E	
PLUS 16-13	285						0260KTG08E	

Name	Art. no.	Name	Art. no.
Air filter cartridge	0017092000	LLK 12000H PL 11.0-16.0	0260KTE08E
LLK 2000H PL 8.0	0260KTA01E	LLK 20000H PL 8.0 8/13B	0260KTG00E
LLK 2000H PL 11.0-16.0	0260KTA02E	LLK 20000H PL 8.0 10B	0260KTG01E
LLK 4000H PL 8.0	0260KTB01E	LLK 20000H PL11.0 8B-15.0 8/10	0260KTG02E
LLK 4000H PL 11.0-16.0	0260KTB02E	LLK 20000H PL11.0 10B	0260KTG03E
LLK 8000H PL 8.0 8/13B	0260KTD01E	LLK 20000H PL11.0 13B	0260KTG04E
LLK 8000H PL 8.0 10B	0260KTD02E	LLK 20000H PL15.0 13B	0260KTG05E
LLK 8000H PL 11 8B-15 8/10B	0260KTD03E	LLK 20000H PL16.0 8B	0260KTG06E
LLK 8000H PL 11 10B-15 13B-16	0260KTD04E	LLK 20000H PL16.0 10B	0260KTG07E
	0260KTD05E	LLK 20000H PL16.0 13B	0260KTG08E
LLK 12000H PL 8.0	0260KTE07E		



SCHEDULED MAINTENANCE PLUS 18,5 - 75 kW



		2.000 h (oder jährlich)	4.000 h (oder jährlich)	8.000 h	12.000 h	20.000 h	24.000 h			
		· 1 Air filter cartridge	· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Prefilter	· 1 x KIT B · 1 Minimum pressure valve kit	· 1 x KIT B 1 Solenoid valve · 1 Poly-V belt	· 1 x KIT B · 1 Air-end	· 1 x KIT E · 1 Air-end			
18,5 - 75 kW	Commodity group	2.000 h	KIT B	KIT D	KIT E	KIT G	KIT H			
PLUS 18,5-08	285	0017101000	0260KTB03E	0260KTD07E	0260KTE09E	0260KTG10E	n.a.			
PLUS 18,5-10	285				0260KTE10E					
PLUS 18,5-13	285				0260KTE09E					
PLUS 22-08	285		0017083000	0260KTB04E	0260KTD08E	0260KTE11E		0260KTG11E		
PLUS 22-10	285					0260KTE12E 0260KTE11E		0260KTG12E		
PLUS 22-13	285									
PLUS 31-08	285	0260KTB05E							0260KTD09E	0260KTE13E
PLUS 31-10	285			0260KTE22E	0260KTH06E					
PLUS 31-13	285			0260KTB06E	0260KTD10E	0260KTE14E		0260KTH01E		
PLUS 38-08	285					0017067001		0260KTB08E		0260KTD11E
PLUS 38-10	285	0260KTE16E							0260KTH03E	
PLUS 38-13	285	0260KTE17E	0260KTH04E							
PLUS 45-08	285	0260KTE18E	0260KTH05E							
PLUS 45-10	285	0260KTB07E	0260KTD12E	0260KTE17E	0260KTH06E					
PLUS 45-13	285									
PLUS 55-08	285									
PLUS 55-10	285									
PLUS 55-13	285									
PLUS 56-08	285									
PLUS 56-10	285									
PLUS 56-13	285									
PLUS 75-08	285									
PLUS 75-10	285									
PLUS 75-13	285									

Name	Art. no.	Name	Art. no.	Name	Art. no.
Air filter cartridge	0017067001	LLK 8000H PL 55.0	0260KTD10E	LLK 12000H PL 75.0-10B	0260KTE18E
Air filter cartridge	0017083000	LLK 8000H PL 56.0	0260KTD11E	LLK 12000H PL 45.0 13B	0260KTE22E
Air filter cartridge	0017101000	LLK 8000H PL 75.0	0260KTD12E	LLK 20000H PL18.5-22.0	0260KTG10E
LLK 4000H PL 18.5-22.0	0260KTB03E	LLK 12000H PL 18.5-22.0 13B	0260KTE09E	LLK 20000H PL31.0	0260KTG11E
LLK 4000H PL 31.0-38.0	0260KTB04E	LLK 12000H PL 22.0 8/10B	0260KTE10E	LLK 20000H PL38.0	0260KTG12E
LLK 4000H PL 45.0	0260KTB05E	LLK 12000H PL 31.0-38.0 8/13B	0260KTE11E	LLK 24000H PL45.0	0260KTH00E
LLK 4000H PL 55.0	0260KTB06E	LLK 12000H PL 38.0- 10B	0260KTE12E	LLK 24000H PL55.0	0260KTH01E
LLK 4000H PL 75.0	0260KTB07E	LLK 12000H PL 45.0	0260KTE13E	LLK 24000H PL56.0 8/10B	0260KTH02E
LLK 4000H PL 56.0	0260KTB08E	LLK 12000H PL 55.0	0260KTE14E	LLK 24000H PL56.0 13B	0260KTH03E
LLK 8000H PL 18.0-22.0	0260KTD07E	LLK 12000H PL 56.0-8/10B	0260KTE15E	LLK 24000H PL75.0 8/13B	0260KTH04E
LLK 8000H PL 31.0-38.0	0260KTD08E	LLK 12000H PL 56.0-13B	0260KTE16E	LLK 24000H PL75.0 10B	0260KTH05E
LLK 8000H PL 45.0	0260KTD09E	LLK 12000H PL 75.0-8/13B	0260KTE17E	LLK 24000H PL45.0 13B	0260KTH06E

Long Life Kits

New



Not suitable for IE 3 models!

A-MICRO



Commodity group	1,000 h	2,000 h ** (or every year)	6,000 h	8,000 h	16,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve	· 1 x 2,000 hrs kit. · 1 Belt · 1 Intake regulator kit · 1 Solenoid valve	· 1 x 2,000 hrs kit. · 1 Kit with minimum pressure valve · 3 tubes	· 1 x 8,000 hrs kit · 1 Air-end
A-MICRO 308 SE	285	0017092000	0260KTB383	0260KTC380	0260KTD380
A-MICRO 310 SE	285		0260KTB386		
A-MICRO 310 M	285		0260KTB389		
A-MICRO 408 SE	285		0260KTB392		
A-MICRO 410 SE	285		0260KTB395		
A-MICRO 508 SE	285		0260KTB398		
A-MICRO 510 SE	285		0260KTB401		
A-MICRO 508 TA	285		0260KTB404		
A-MICRO 510-713 TA	285		0260KTB407		
A-MICRO 513 TA	285				

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.
Air filter cartridge	0017092000
LK 2000H MMGD 3-10(2.2-7.5)	0260KTA380
LK 6000H MMGD 3(2.2) 8 B	0260KTB383
LK 6000H MMGD 3(2.2) 10 B	0260KTB386
LK 6000H MMGD 3(2.2) 10 B MONO	0260KTB389
LK 6000H MMGD 4(3.0) 8-10 B	0260KTB392
LK 6000H MMGD 5(4.0) 8 B	0260KTB395

Name	Article no.
LK 6000H MMGD 5(4) 10B	0260KTB398
LK 6000H MMGD 5(4) 8B	0260KTB401
LK 6000H MMGD 5(4) 10B	0260KTB404
LK 6000H MMGD 5(4) 13B	0260KTB407
LK 8000H MMGD 3-5.5(2.2-4)	0260KTC380
LK 16000H MMGD 3-5.5(2.2-4)	0260KTD380

A-CUBE SD



Commodity group	1,000 h	2,000 h ** (or every year)	4,000 h ** (annually)	12,000 h	24,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges 1 Oil filter cartridge	· 1 x 2,000 hrs kit · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit	· 1 x 4,000 hrs kit · 1 Minimum pressure valve · 1 Solenoid valve · 1 Bearing motor · 3 Pipes	· 1 x 12,000 hrs kit · 1 Air-end
A-CUBE SD 5	285	0017092000	0260KTA620	0260KTC620	0260KTD620
A-CUBE SD 1010	285			0260KTC625	0260KTD625
A-CUBE SD 710	285			0260KTC620	0260KTD720
A-CUBE SD 713	285			0260KTC625	0260KTD725
A-CUBE SD 1013	285			0260KTC720	0260KTD820
A-CUBE 5 ES	285			0260KTC725	0260KTD825
A-CUBE SD 1010 ES	285			0260KTC720	0260KTD920
A-CUBE SD 710 ES	285			0260KTC725	0260KTD925
A-CUBE SD 713 ES	285				
A-CUBE SD 1013 ES	285				

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.
Air filter cartridge	0017092000
LK 2000H CUBE	0260KTA620
LK 4000H CUBE	0260KTB620
LK 12000H CUBE 5-7 (4-5.5)	0260KTC620
LK 12000H CUBE 10 (7.5)	0260KTC625
LK 12000H CUBE 5-7 (4-5.5)+ES	0260KTC720
LK 12000H CUBE 10 (7.5)+ES	0260KTC725
LK 24000H CUBE 5 (4.0)	0260KTD620

Name	Article no.
LK 24000H CUBE10 (7.5)	0260KTD625
LK 24000H CUBE 7(5.5) 10-13 B	0260KTD720
LK 24000H CUBE 10(7.5) 13 B	0260KTD725
LK 24000H CUBE 5 (4.0)+ES	0260KTD820
LK 24000H CUBE10 (7.5)	0260KTD825
LK 24000H CUBE 7(5.5) 10-13 B+ES	0260KTD920
LK 24000H CUBE 10(7.5) 13 B+ES	0260KTD925

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012





Not suitable for IE 3 models!

New

A-QUADRO



Commodity group	1,000 h	4,000 h ** (or every year)	8,000 h	12,000 h	20,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit	· 1 x 4,000 hrs kit · 1 Minimum pressure valve · 4 tubes	· 1 x 4,000 hrs kit · 1 Belt · 1 Solenoid valve	· 1 x 4,000 hrs kit · 1 Air-end
A-QUADRO 1008	285	0017092000	0260KTA370	0260KTB370	0260KTC370
A-QUADRO 1013	285				
A-QUADRO 1010	285				
A-QUADRO 1510	285	0017093000	0260KTA375	0260KTB375	0260KTD370
A-QUADRO 2013	285				
A-QUADRO 1513	285				
A-QUADRO 1508	285				0260KTC371
A-QUADRO 2008	285				
A-QUADRO 2010	285				
A-QUADRO 2108	285				0260KTC375
A-QUADRO 2110	285				
A-QUADRO 2113	285				
					0260KTC376
					0260KTC377
					0260KTC375
					0260KTC376
					0260KTC375

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.	Name	Article no.
Air filter cartridge	0017092000	LK 12000H QPSSMSD 10(7.5)	0260KTC371
Air filter cartridge	0017093000	LK 12000H QPSSMSD 15-20(11-15)	0260KTC375
LK 4000H QPSSMSD 10(7.5)	0260KTA370	LK 12000H QPSSMSD 15-21(11-16)	0260KTC376
LK 4000H QPSSMSD15-20-21(111516)	0260KTA375	LK 12000H QPSSMSD15-20(1115)8-10	0260KTC377
LK 8000H QPSSMSD 10(7.5)	0260KTB370	LK 20000H QPSSMSD 10(7.5)	0260KTD370
LK 8000H QPSSMSD15-20-21(111516)	0260KTB375	LK 20000H QPSSMSD 15-20(11-15)	0260KTD375
LK 12000H QPSSMSD 10(7.5) 8-13B	0260KTC370	LK 20000H QPSSMSD 21(16)	0260KTD376

A-BSC Revo



Commodity group	1,000 h	4,000 h ** (or every year)	12,000 h	24,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit	· 1 x 4,000 hrs kit · 1 Belt · 1 Kit with minimum pressure valve · 1 Solenoid valve · 3 Pipes	· 1 x 12,000 hrs kit · 1 Air-end
A-BSC Revo 1508	285	0017093000	0260KTA030	0260KTC138
A-BSC Revo 1510	285			0260KTD138
A-BSC Revo 1513	285			0260KTC130
A-BSC Revo 2008	285			0260KTD133
A-BSC Revo 2010	285			0260KTC238
A-BSC Revo 2013	285			0260KTD238
				0260KTC230
				0260KTD230
				0260KTC233
				0260KTD233

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.	Name	Article no.
Air filter cartridge	0017093000	LK 24000H BSC1510	0260KTD130
LK 4000H BSC 15-20	0260KTA030	LK 24000H BSC1513	0260KTD133
LK 12000H BSC1510	0260KTC130	LK 24000H BSC1508	0260KTD138
LK 12000H BSC1513	0260KTC133	LK 24000H BSC 2010	0260KTD230
LK 12000H BSC 1508	0260KTC138	LK 24000H BSC 2013	0260KTD233
LK 12000H BSC2010	0260KTC230	LK 12000H BSC 2008	0260KTC238
LK 12000H BSC 2013	0260KTC233	LK 24000H BSC 2008	0260KTD238

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



K-MAX 5.5 - 7.5 kW: new design, high performance.

New

► The Aircraft K-MAX model range is available in a variety of configurations that precisely meet the customer's requirements:

► Starting with the standard floor mounted version, the range can also be selected with a 270 or 500 litre air vessel, with or without refrigeration dryer, also available with inverter drive.

► The whole machine is extremely compact with balanced dimensions.

- Direct drive technology for maximum reliability.
- High performances, excellent efficiency.
- Intelligent microprocessor control.
- Compact, space saving design
- Maintenance-free drive
- Energy saving



K-Max 5.5

5.5 kW

Available versions:

- floor mounted compressor
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:
FSC 26



Controller:
EasyTRONIC IV (ET IV)



Fixed Speed

K-Max 7.5

7.5 kW

Available versions:

- floor mounted compressor
- Compressor + refrigeration dryer
- Compressor + vessel
- Compressor + vessel + refrigeration dryer

Air-end:
FSC 26



Controller:
EasyTRONIC IV (ET IV)



Fixed and variable Speed

K-MAX 11-15 kW: a quality choice.

New



K-Max 11

11 kW

- Available versions:**
- floor mounted compressor
 - Compressor + refrigeration dryer
 - Compressor + vessel
 - Compressor + vessel + refrigeration dryer

Air-end:
FSC 50



Controller:
EasyTRONIC IV (ET IV)



Fixed and variable Speed



K-Max 15

15 kW

- Available versions:**
- floor mounted compressor
 - Compressor + refrigeration dryer
 - Compressor + vessel
 - Compressor + vessel + refrigeration dryer

Air-end:
FSC 50



Controller:
EasyTRONIC IV (ET IV)



Fixed and variable Speed

Dryer module
K-MAX compressors are also available with dryer ("K" versions): immediately ready to operate without any installation overhead.

A-K-MAX series – Directly coupled screw-type compressors for continuous duty and 100% load.

- ▶ Directly coupled coaxial screw-type compressors guarantee absolute freedom from maintenance for the drivetrain with maximum energy efficiency
- ▶ Equipped with "EasyTRONIC IV" electronic control incl. pressure sensor operation as a factory standard, thus avoiding motor overload, reducing wear and extended the service life
- ▶ Excellent cooling performance and low noise thanks to thermostatically controlled radial fan
- ▶ IE3 motor "Made by ABB"
- ▶ Optimum operating temperatures thanks to thermostatically controlled fan, optimum cooling air guidance and generously dimensioned heat exchangers, thus ensuring a longer service life and less oil temperature fluctuation than with thermostat control
- ▶ Factory standard re-cooler reduces overhead for drying and filtering the compressed air generated
- ▶ Includes operating hours counter for logging load and post-run times; this ensures compliance with maintenance intervals – displays an automatic message to indicate that maintenance is due
- ▶ With sense of direction checking for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all components that require maintenance
- ▶ Small footprint facilitates transport and deployment



Fig. Model A-K-MAX 1510 (IE3)



Fig. Model A-K-MAX 7.5-10-270F (IE3)

Type	Maximum pressure	Effective delivery volume	Motor output		Noise	Dimensions (LxWxH)	Connection	Vessel capacity	Weight	Art. no.	
	bar	l/min	kW	HP	in dB(A)*	mm	G	l	kg		
A-K-MAX model range - Screw-type compressors with ribbed belt drive (floor-mounted)											
A-K-MAX 5.5-10 (IE3)	10	705	5.5	7.5	62	800 x 650 x 860	1/2"	–	160	2095204	
A-K-MAX 5.5-13 (IE3)	13	450	5.5	7.5	62	800 x 650 x 860	1/2"	–	160	2095206	
A-K-MAX 7.5-10 (IE3)	10	1,050	7.5	10	62	800 x 650 x 860	1/2"	–	165	2095404	
A-K-MAX 7.5-13 (IE3)	13	700	7.5	10	62	800 x 650 x 860	1/2"	–	165	2095406	
A-K-MAX 1108 (IE3)	8	1,700	11	15	68	1,000 x 700 x 100	3/4"	–	230	2095602	
A-K-MAX 1110 (IE3)	10	1,550	11	15	68	1,000 x 700 x 1,000	3/4"	–	230	2095604	
A-K-MAX 1113 (IE3)	13	1,200	11	15	68	1,000 x 700 x 1,000	3/4"	–	230	2095606	
A-K-MAX 1510 (IE3)	10	2,050	15	20	68	1,000 x 700 x 1,000	3/4"	–	250	2095804	
A-K-MAX 1513 (IE3)	13	1,700	15	20	68	1,000 x 700 x 1,000	3/4"	–	250	2095806	

*Sound pressure level at 1 m distance as per DIN 45635 T 13

New



Fig. Model A-K-MAX 7.5-10-500F K (IE3)

- K models with integrated refrigerant dryer including automatic condensate drain
- Pressure dew point at 3°C, ambient temperature 25°C



- Flexible oil line
- Maximum safety, even at high temperatures



- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior



- Excellent cooling performance and low noise thanks to therm statically controlled radial fan

Type	Maximum pressure	Effective delivery volume	Motor output		Noise	Dimensions (LxWxH)	Connection	Vessel capacity	Weight	Art. no.	
	bar	l/min	kW	HP	in dB(A)*	mm	G	l	kg		
A-K-MAX model range - Screw-type compressors with ribbed belt drive on vessel											
A-K-MAX 5.5-10-270F (IE3)	10	705	5.5	7.5	62	1,280 x 650 x 1,540	1/2"	270	255	2095224	
A-K-MAX 7.5-10-270F (IE3)	10	1,050	7.5	10	62	1,280 x 650 x 1,540	1/2"	270	260	2095424	
A-K-MAX 7.5-10-500F (IE3)	10	1,050	7.5	10	62	2,080 x 650 x 1,500	1/2"	500	305	2095434	
A-K-MAX 1108-500F (IE3)	8	1,700	11	15	68	2,000 x 730 x 1,700	3/4"	500	380	2095632	
A-K-MAX 1110-500F (IE3)	10	1,550	11	15	68	2,000 x 730 x 1,700	3/4"	500	380	2095634	
A-K-MAX 1113-500F (IE3)	13	1,200	11	15	68	2,000 x 730 x 1,700	3/4"	500	380	2095636	
A-K-MAX 1510-500F (IE3)	10	2,050	15	20	68	2,000 x 730 x 1,700	3/4"	500	400	2095834	
A-K-MAX 1513-500F (IE3)	13	1,700	15	20	68	2,000 x 730 x 1,700	3/4"	500	400	2095836	

Type	Maximum pressure	Effective delivery volume	Motor output		Noise	Dimensions (LxWxH)	Connection	Vessel capacity	Weight	Art. no.
	bar	l/min	kW	HP	in dB(A)*	mm	G	l	kg	
Model range A-K-MAX K - Screw-type compressors with ribbed belt drive on vessel with built-on refrigeration dryer										
A-K-MAX 5.5-10-270F K (IE3)	10	705	5.5	7.5	62	1,280 x 650 x 1,540	1/2"	270	290	2095264
A-K-MAX 7.5-10-270F K (IE3)	10	1,050	7.5	10	62	1,200 x 650 x 1,540	1/2"	270	295	2095464
A-K-MAX 7.5-10-500F K (IE3)	10	1,050	7.5	10	62	2,000 x 650 x 1,500	1/2"	500	340	2095474
A-K-MAX 1108-500F K (IE3)	8	1,700	11	15	68	2,000 x 730 x 1,700	3/4"	500	422	2095672
A-K-MAX 1110-500F K (IE3)	10	1,550	11	15	68	2,000 x 730 x 1,700	3/4"	500	422	2095674
A-K-MAX 1113-500F K (IE3)	13	1,200	11	15	68	2,000 x 730 x 1,700	3/4"	500	422	2095676
A-K-MAX 1510-500F K (IE3)	10	2,050	15	20	68	2,000 x 730 x 1,700	3/4"	500	442	2095874
A-K-MAX 1513-500F K (IE3)	13	1700	15	20	68	2,000 x 730 x 1,700	3/4"	500	442	2095876

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



A-K-MAX VS Series - directly coupled screw-type compressors for permanent operation and 100% load - including "SpeedTronic-Control" frequency control as a factory standard.

- ▶ Directly coupled coaxial screw-type compressors guarantee absolute freedom from maintenance for the drivetrain with maximum energy efficiency
- ▶ Equipped with "EasyTRONIC II" electronic control incl. pressure sensor operation as a factory standard, thus avoiding motor overload, reducing wear and extended the service life
- ▶ Excellent cooling performance and low noise thanks to thermostatically controlled radial fan
- ▶ Optimum operating temperatures thanks to thermostatically controlled fan, optimum cooling air guidance and generously dimensioned heat exchangers, thus ensuring a longer service life and less oil temperature fluctuation than with thermostat control
- ▶ Factory standard re-cooler reduces overhead for drying and filtering the compressed air generated
- ▶ Includes operating hours counter for logging load and post-run times; this ensures compliance with maintenance intervals - displays an automatic message to indicate that maintenance is due
- ▶ With sense of direction checking for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- ▶ Service-friendly thanks to optimum accessibility and easy removal and installation of all components that require maintenance
- ▶ Small footprint facilitates transport and deployment
- ▶ The electronic "SpeedTronic Control" monitors the motor and compressor speed.



Fig. Model A-KMAX 1508 VS



Fig. Model A-KMAX 1510-500 VS

- ▶ On a 500 litre vessel
- ▶ Fig. shows optimum accessibility of components, thus guaranteeing easy removal and installation of all components that require maintenance

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output		Noise	Dimensions (LxWxH)	Connection	Vessel capacity l	Weight	Art. no.
			kW	HP	in dB(A)*	mm	G		kg	
A-KMAX-STC model range - Screw-type compressors with frequency control and star-delta switch										
A-K-MAX 7.5-08 VS (IE3)	8	1,300 / 520	7.5	10	63	800 x 650 x 860	1/2"	—	175	2095502
A-K-MAX 7.5-10 VS (IE3)	10	1,100 / 440	7.5	10	63	800 x 650 x 860	1/2"	—	175	2095504
A-K-MAX 1108 VS (IE3)	8	1,700 / 680	11	15	68	1,000 x 700 x 1,000	3/4"	—	240	2095702
A-K-MAX 1110 VS (IE3)	10	1,550 / 620	11	15	68	1,000 x 700 x 1,000	3/4"	—	240	2095704
A-K-MAX 1508 VS (IE3)	8	2,400 / 950	15	20	68	1,000 x 700 x 1,000	3/4"	—	260	2095902
A-K-MAX 1510 VS (IE3)	10	2,100 / 840	15	20	68	1,000 x 700 x 1,000	3/4"	—	260	2095904

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

New

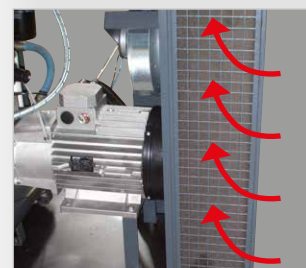
A-KMAX-VS Series with frequency control



- K models with integrated refrigerant dryer including automatic condensate drain
- Pressure dew point at 3°C, ambient temperature 25°C



- All oil lines are rubber hoses with steel mesh armouring
- This ensures maximum safety, even at high temperatures



- Cleaning of intake cooling and inlet air with a pre-filter pad
- For a cleaner interior

Fig. Model A-KMAX 1508-500 VS K

With add-on refrigeration dryer on 500 l vessel

- ▶ Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel- 15 year guarantee against corrosion penetration

Energy savings thanks to frequency controlled compressors

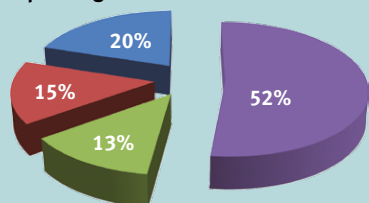
- ▶ Based on frequency converter technology, the compressor's delivery volume adapts to match the actual consumption. The electronic control unit monitors the motor and compressor speed and keeps the line pressure constant. This gives users advance technology on a minimal footprint.

Your benefits

- ▶ Active energy savings
- ▶ Ideal for frequently changing compressed air consumption
- ▶ The speed-controlled compressor achieves maximum efficiency and keeps the line pressure constant, despite heavily fluctuating consumption.

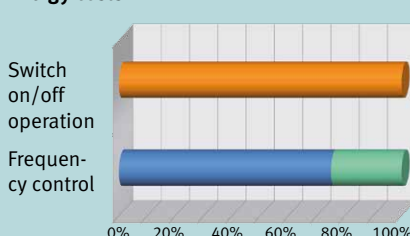
SpeedTronic control

Operating costs

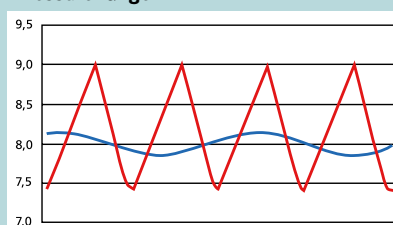


Energy savings 20%
Service costs 13%
Energy costs 52%
Investment outlay 15%

Energy costs



Pressure range



Frequency control
Switch on/off operation

Type	Maximum pressure bar	Effective delivery volume l/min	Motor output kW HP	Noise in dB(A)*	Dimensions (LxWxH) mm	Connection G	Vessel capacity l	Weight kg	Art. no.
A-KMAX-500 VS Series - Directly flanged screw-type compressors with frequency control on vessel and star-delta switch									
A-K-MAX 7.5-08-270 VS (IE3)	8	1,300 / 520	7.5 10	63	1,200 x 650 x 1,540	1/2"	270	270	2095522
A-K-MAX 7.5-10-270 VS (IE3)	10	1,100 / 440	7.5 10	63	1,200 x 650 x 1,540	1/2"	270	270	2095524
A-K-MAX 1108-500 VS (IE3)	8	1,700 / 680	11 15	68	2,000 x 730 x 1,700	3/4"	500	390	2095732
A-K-MAX 1110-500 VS (IE3)	10	1,550 / 620	11 15	68	2,000 x 730 x 1,700	3/4"	500	390	2095734
A-K-MAX 1508-500 VS (IE3)	8	2,400 / 950	15 20	68	2,000 x 730 x 1,700	3/4"	500	410	2095932
A-K-MAX 1510-500 VS (IE3)	10	2,100 / 840	15 20	68	2,000 x 730 x 1,700	3/4"	500	410	2095934
A-KMAX- 500 KVS series - Directly flanged screw-type compressors with frequency control and refrigeration dryer flanged onto the vessel									
A-K-MAX 7.5-08-270 KVS (IE3)	8	1,300 / 520	7.5 10	63	1,200 x 650 x 1,540	1/2"	270	305	2095562
A-K-MAX 7.5-10-270 KVS (IE3)	10	1,100 / 440	7.5 10	63	1,200 x 650 x 1,540	1/2"	270	305	2095564
A-K-MAX 1108-500 KVS (IE3)	8	1,700 / 680	11 15	68	2,000 x 730 x 1,700	3/4"	500	432	2095772
A-K-MAX 1110-500 KVS (IE3)	10	1,550 / 620	11 15	68	2,000 x 730 x 1,700	3/4"	500	432	2095774
A-K-MAX 1508-500 KVS (IE3)	8	2,400 / 950	15 20	68	2,000 x 730 x 1,700	3/4"	500	452	2095972
A-K-MAX 1510-500 KVS (IE3)	10	2,100 / 840	15 20	68	2,000 x 730 x 1,700	3/4"	500	452	2095974

*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



Long Life Kit for screw compressors scheduled maintenance

- **FSN original spare parts** have been rigorously selected, checked and tested by specialized technicians to ensure the utmost efficiency and endurance of the compressor.
- Specialized staff is continuously in contact with our distribution centres worldwide, to deliver spare parts to our customers in the least time possible.
- The use of **FSN Long Life Kit**, specifically studied for screw compressors, extends maintenance intervals, cutting down service costs and ensuring consistent product performance, with consequential energy saving.
- Warranty claims can only be accepted if you use original parts.

Maintenance interval, using non original parts

Maintenance interval, using original parts

+20%



SCHEDULED MAINTENANCE PLUS VS 22 - 75 kW

		2.000 h (oder jährlich)	4.000 h (oder jährlich)	8.000 h	12.000 h	20.000 h	24.000 h
		· 1 Air filter cartridge	· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Prefilter · 1 Electric cabinet-prefilter	· 1 x KIT B VS · 1 Minimum pressure valve kit	· 1 x KIT B VS · 1 Solenoid valve · 1 Poly-V belt	· 1 x KIT B VS · 1 Air-end	· 1 x KIT E VS · 1 Air-end
22 - 75 kW	Commodity group	2.000 h	KIT B VS	KIT D VS	KIT E VS	KIT G VS	KIT H VS
PLUS 22-08 VS	285	0017101000	0260KTB09E	0260KTD14E	0260KTE20E	0260KTG14E	n.a.
PLUS 22-10 VS	285		0260KTB10E	0260KTD15E	0260KTE21E	0260KTG15E	
PLUS 38-08 VS	285		0260KTB11E	0260KTD16E	0260KTE23E	n.a.	0260KTH07E
PLUS 38-10 VS	285	0017067001	0260KTB12E	0260KTD17E	0260KTE24E		0260KTH08E
PLUS 56-08 VS	285						
PLUS 56-10 VS	285						
PLUS 75-08 VS	285						
PLUS 75-10 VS	285						

Name	Art. no.	Name	Art. no.
Air filter cartridge	0017067001	LLK 8000H PL 75.0 VS	0260KTD17E
Air filter cartridge	0017083000	LLK 12000H PL 22.0 VS	0260KTE20E
Air filter cartridge	0017101000	LLK 12000H PL 38.0 VS	0260KTE21E
LLK 4000H PL 22.0 VS	0260KTB09E	LLK 12000H PL 56.0 VS	0260KTE23E
LLK 4000H PL 38.0 VS	0260KTB10E	LLK 12000H PL 75.0 VS	0260KTE24E
LLK 4000H PL 56.0 VS	0260KTB11E	LLK 20000H PL 22.0 VS	0260KTG14E
LLK 4000H PL 75.0 VS	0260KTB12E	LLK 20000H PL 38.0 VS	0260KTG15E
LLK 8000H PL 22.0 VS	0260KTD14E	LLK 24000H PL 56.0 VS	0260KTH07E
LLK 8000H PL 38.0 VS	0260KTD15E	LLK 24000H PL 75.0 VS	0260KTH08E
LLK 8000H PL 56.0 VS	0260KTD16E		

SCHEDULED MAINTENANCE K-MAX 7,5 - 15 kW

		1.000 h (oder jährlich)	4.000 h (oder jährlich)	12.000 h	24.000 h
		· 1 Air filter cartridge	· 1 Air filter cartridge · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Prefilter	· 1 x KIT B · 1 Solenoid valve · 1 Minimum pressure valve kit	· 1 x KIT E · 1 Air-end
5,5 - 15 kW	Commodity group	1.000 h	KIT B	KIT E	KIT H
K-MAX 5,5-10	285	0017092000	0260KTB15E	0260KTE32E	0260KTH12E
K-MAX 5,5-13	285				0260KTH13E
K-MAX 7,5-10	285				0260KTH12E
K-MAX 7,5-13	285	0017093000	0260KTB16E	0260KTE33E	0260KTH15E
K-MAX 11-08	285				0260KTH16E
K-MAX 11-10	285				0260KTH17E
K-MAX 11-13	285				0260KTH18E
K-MAX 15-10	285				0260KTH16E
K-MAX 15-13	285				

Name	Art. no.	Name	Art. no.
Air filter cartridge	0017092000	LLK 12000H K-MAX 11.0-15.0	0260KTE33E
Air filter cartridge	0017093000	LLK 24000H K-MAX 10B-7.5 13B	0260KTH12E
LLK 4000H K-MAX 5.5-7.5	0260KTB15E	LLK 24000H K-MAX 13B-7.5 10B	0260KTH13E
LLK 4000H K-MAX 11.0-15.0	0260KTB16E	LLK 24000H K-MAX 11.0 8B	0260KTH15E
LLK 12000H K-MAX 5.5-7.5	0260KTE32E	LLK 24000H K-MAX 11 10B-15 13B	0260KTH16E



Not suitable for IE 3 models!

New



A-PLUS



	Commodity group	1,000 h	4,000 h ** (or every year)	8,000 h	12,000 h	20,000 h
		· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve	· 1 x 4,000 hrs kit	· 1 x 4,000 hrs kit · 1 Belt · 1 Intake regulator kit · 1 Kit with minimum pressure valve · 1 Solenoid valve · 5 Pipes	· 1 x 12,000 hrs kit · 1 Air-end
A-PLUS 2508	285	0017026000	0260KTA040	0260KTB040	0260KTC148	0260KTD148
A-PLUS 2510	285				0260KTC140	0260KTD140
A-PLUS 2513	285				0260KTC143	0260KTD143
A-PLUS 3008	285				0260KTC248	0260KTD248
A-PLUS 3010	285				0260KTC240	0260KTD240
A-PLUS 3013	285				0260KTC243	0260KTD240
A-PLUS 4008	285		0260KTA050	0260KTB050	0260KTC058	0260KTD058
A-PLUS 4010	285				0260KTC050	0260KTD050
A-PLUS 4013	285				0260KTC053	0260KTD053

** We recommend changing the oil at the indicated interval or every year.

We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.		Name	Article no.	
Air filter cartridge	0017026000		LK 12000H P/HT-JS 40(30) 8 B	0260KTC058	
LK 4000H P/HT-JS 25-30(18.5-22)	0260KTA040		LK 12000H P/HT-JS 40(30) 10 B	0260KTC050	
LK 4000H P/HT-JS 40(30)	0260KTA050		LK 12000H P/HT-JS 40(30) 13 B	0260KTC053	
LK 8000H P/HT-JS 25-30(18.5-22)	0260KTB040		LK 24000H P/HT-JS 25(18.5) 8 B	0260KTD148	
LK 8000H P/HT-JS 40(30)	0260KTB050		LK 24000H P/HT-JS 25(18.5) 10 B	0260KTD140	
LK 12000H P/HT-JS 25(18.5) 8 B	0260KTC148		LK 24000H P/HT-JS 25(18.) 13 B	0260KTD143	
LK 12000H P/HT-JS 25(18.5) 10 B	0260KTC140		LK 24000H P/HT-JS 30(22) 8 B	0260KTD248	
LK 12000H P/HT-JS 25(18.5) 13 B	0260KTC143		LK 24000H P/HT-JS 30(22)10-13B	0260KTD240	
LK 12000H P/HT-JS 30(22) 8 B	0260KTC248		LK 24000H P/HT-JS 40(30) 8 B	0260KTD058	
LK 12000H P/HT-JS 30(22) 10 B	0260KTC240		LK 24000H P/HT-JS 40(30) 10 B	0260KTD050	
LK 12000H P/HT-JS 30(22) 13 B	0260KTC243		LK 24000H P/HT-JS 40(30) 13 B	0260KTD053	

A-K-MID



	Commodity group	1,000 h	4,000 h ** (or every year)	12,000 h	24,000 h
		· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit · 1 Pre-filter	· 1 x 4,000 hrs kit · 1 Minimum pressure valve · 1 Solenoid valve · 3 Pipes · 1 Motor bearing	· 1 x 12,000 hrs kit · 1 Air-end
A-K-MID 710	285	0017092000	0260KTA100	0260KTC100	0260KTD100
A-K-MID 713	285				0260KTD105
A-K-MID 1010	285			0260KTC102	0260KTD102
A-K-MID 1013	285				0260KTD103

** We recommend changing the oil at the indicated interval or every year.

We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.		Name	Article no.	
Air filter cartridge	0017092000		LK 24000H K-MID 7(5.5) 10 B	0260KTD100	
LK 4000H K-MID	0260KTA100		LK 24000H K-MID 7(5.5) 13 B	0260KTD105	
LK 12000H K-MID 7(5.5) 10-13 B	0260KTC100		LK 24000H K-MID 10(7.5) 10 B	0260KTD102	
LK 12000H K-MID 10(7.5) 10-13B	0260KTC102		LK 24000H K-MID 10(7.5) 13 B	0260KTD103	

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request



Long Life Kits

New



Not suitable for IE 3 models!

A-K-MAX



Commodity group	1,000 h	4,000 h ** (or every year)	12,000 h	24,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit · 1 Pre-filter	· 1 x 4,000 hrs kit · 1 Minimum pressure valve · 1 Solenoid valve · 3 Pipes · 1 Bearing motor	· 1 x 12,000 hrs kit · 1 Air-end
A-K-MAX 1508	285	0017093000	0260KTB090	0260KTC090
A-K-MAX 1513	285			0260KTD092
A-K-MAX 1510	285			0260KTD091
A-K-MAX 2013	285			0260KTD093
A-K-MAX 2010	285			0260KTD093

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.		Name	Article no.	
Air filter cartridge	0017093000		LK 24000H KMAX 15(11) 13 B	0260KTD092	
LK 4000H KMAX	0260KTB090		LK 24000HKMAX15(11)10B 20(15)13	0260KTD091	
LK 12000H KMAX	0260KTC090		LK 24000H KMAX 20(15) 10B	0260KTD093	
LK 24000H KMAX 15(11) 8 B	0260KTD090				

A-PLUS SD



Commodity group	1,000 h	4,000 h ** (or every year)	12,000 h	24,000 h
	· 1 Air filter cartridge	· 2 Air filter cartridges · 1 Oil filter cartridge · 1 Separator cartridge · 1 Oil check valve · 1 Intake regulator kit · 1 Pre-filters	· 1 x 4,000 hrs kit · 1 Belt. · 1 Kit with minimum pressure valve · 1 Solenoid valve · 4 Pipes	· 1 x 4,000 hrs kit · 1 Air-end
A-PLUS SD 2508	285	0017101000	0260KTA290	0260KTD290
A-PLUS SD 3010	285		0260KTC290	
A-PLUS SD 2510	285		0260KTC295	
A-PLUS SD 2513	285			
A-PLUS SD 3008	285			
A-PLUS SD 3013	285			

** We recommend changing the oil at the indicated interval or every year.
We recommend use of our RotEnergyA-PLUS oil (NOT INCLUDED IN THE LONG LIFE KIT).

Name	Article no.		Name	Article no.	
Air filter cartridge	0017101000		LK 12000H A-PLUS SD 25-308/13(18-22)	0260KTC295	
LK 4000H A-PLUS SD	0260KTA290		LK 24000H A-PLUS SD	0260KTD290	
LK 12000H A-PLUS SD 25-30(18-22)8-10	0260KTC290				

More Long Life Kits

A-TOP

Name	Article no.	
Air filter cartridge	0017083000	
LK 4000H TPSTS 40-50(30-37)	0260KTA210	
LK 8000H TPSTS 40-50(30-37)	0260KTB210	
LK 12000H TPSTS 40-50(30-37)	0260KTC210	
LK 20000H TPSTS 40-50(30-37)	0260KTD210	
LK 20000H TPSTS 50(38) FS130	0260KTD215	

A-GIGA SD

Name	Article no.	
Air filter cartridge	0017067001	
LK 4000H GPVSTSD 75(55)	0260KTA130	
LK 4000H GPVSTSD 100(75)	0260KTA140	
LK12000H GPVSTSD 75(55)8-10B	0260KTC150	
LK12000H GPVSTSD 75(55)13B+VS	0260KTC151	
LK 12000H GPVSTSD 100(75) 10 B	0260KTC155	
LK12000H GPVSTSD 100(75)13B+VS	0260KTC158	
LK 24000H GPVSTSD 75(55) 10 B	0260KTD150	
LK24000H GPVSTSD 75(55)13B+VS	0260KTD151	
LK 24000H GPVSTSD 100(75) 10 B	0260KTD155	
LK4000H GPVSTSD 100(75) 8 B+VS	0260KTD158	

Accessories

Name	Art. no.
Oil Rot-Energy-Plus, 46 cSt – 1 canister 3.75 l.	0600000018
Oil Rot-Energy-Plus, 46 cSt – 1 canister 18.5 l.	0600000007
Oil Rot-Energy-Plus, 46 cSt – 4 canisters 3.75 l.	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l.	0600000012
Pre-filter pad	On request

A-MEGA SD

Name	Article no.	
Air filter cartridge	0017083000	
LK 4000H MPVSHSD 50-60(37-45)	0260KTA190	
LK 4000H MPVSHSD 75(55)	0260KTA200	
LK 8000H MPVSHSD 50-60(37-45)	0260KTB190	
LK 8000H MPVSHSD 75(55)	0260KTB200	
LK 12000H MPVSHSD 50-60(37-45)	0260KTC190	
LK 12000H MPVSHSD 75(55)	0260KTC200	
LK 20000H MPVSHSD 50-60(37-45)	0260KTD190	
LK 20000H MPVSHSD 75(55)	0260KTD200	

A-TERA SD

Name	Article no.	
Long Life Kit A-TERA SD Series	On request	



Service Management System

- SMS is the innovative device for the ETIV controller developed for remote monitoring and predictive maintenance of screw compressors. The compressor can be monitored via a website (no apps required). Various menu levels can be accessed (user, service), and the status of the compressor can be checked: e.g. hours left to maintenance, operating hours and any alarms. Additionally, the device can automatically email specified addresses on reaching a specific threshold of hours left to maintenance and in case of alarm/alarms.



- Remote monitoring of the air compressor
- Real-time monitoring.
- Suitable for all devices (tablet, smartphone, PC, laptop, etc.)
- Email to defined addresses automatically generated in case of warnings and/or alarms



- The device is connected to the compressor with optically isolated serial (RS232 or RS485). The protocol used is Modbus.
- Remote access to data can be controlled via 10/100 Ethernet and WiFi.
- Both can be configured separately and adapted to match company networks.
- Emails can be sent by setting the SMTP output server, with or without SSL encryption.

- Ability to remotely connect from one or more browsers compatible with HTML5, AJAX port (8080). Allows up to ten simultaneous users read access via the local network or the internet, data bandwidth permitting. Compatibility with popular browsers available today on PCs and handheld or mobile devices:

Supported browsers:

- Chrome > 8
- Firefox > 4
- Safari > 5
- iOS Safari > 4.2
- Opera > 11
- Internet Explorer > 9



TECHNICAL FEATURES:

- SMS device Input/Output
- 1 x insulated Ethernet interface 10/100 Mbit
- 2 x relay max. 5 A (1NO)
- 4 x USB
- 1 x Wireless network adapter 802.11B, 802.11G, 802.11n
- 3 x Indicator LEDs
- 1 x Protected button for resetting the default settings
- 2 x digital inputs
- 1 x RS232 insulated full/duplex max 115200 baud
- 1 x RS485 insulated half/duplex max 115200 baud



ELECTRICAL/MECHANICAL FEATURES

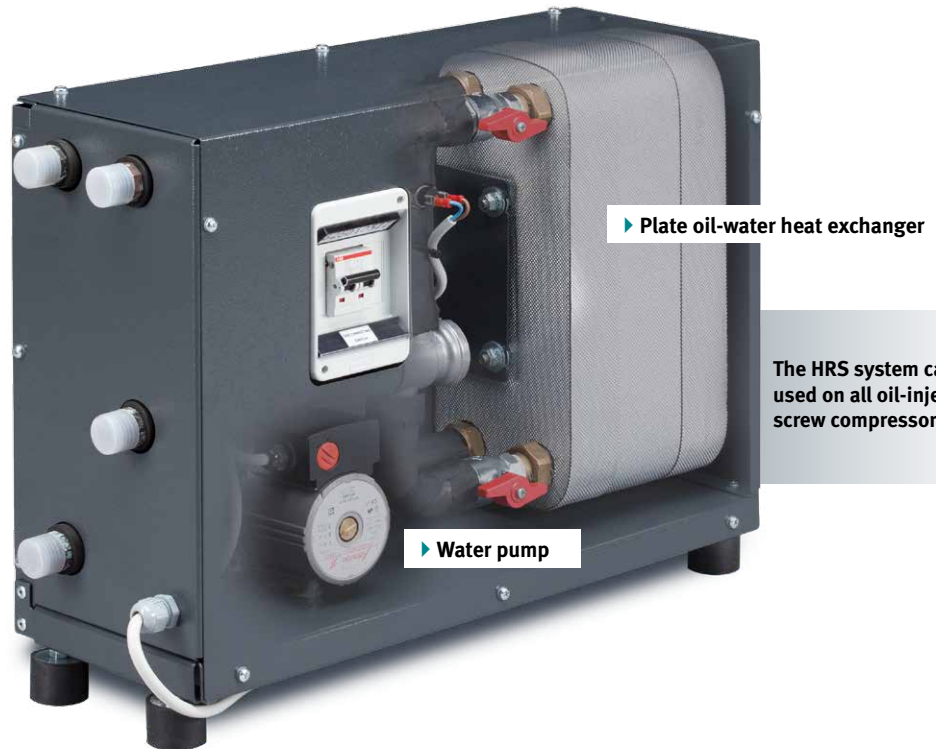
- Supply: 24 Vac $\pm 10\%$ (20-40Vdc)
- Absorption max: 5VA
- Operating Temperature: -10 / +50°C
- Relay contact properties: 24 V AC or 5 A (the contacts are NOT suitable for heavy loads, exclusively used for controlling the relay and the external circuit breakers).
- Dimensions Max: 150x120x45mm (connectors included).
- Mounting: On a DIN omega rail
- Degree of protection: IP20

Type	Art. no.
KIT Antenne+SMS DEVICE	2099990
Antenna for Wi-Fi X SMS DEVICE	2099991
SMS DEVICE without antenna	2099992

Heat recovery

HRS series – Heat Recovery System 11KW – 75KW

- ▶ External heat recovery module for process water support in the heating circuit
- ▶ Saves money and is environmentally-friendly!
- ▶ Approx. 90 % of heat is lost during compressor operation.
- ▶ In times of increasing electricity and energy costs, this heat can be meaningfully used.
- ▶ The HRS heat recovery module developed by Fini can help you save cash in your business.
- ▶ Water is additionally heated via an integrated plate heat exchanger.
- ▶ Reducing high energy costs with relatively little effort.
- ▶ Available in five different sizes from 11 - 75KW drive output
- ▶ Compact design
- ▶ Uncomplicated installation (simply connect to your compressor's oil circuit and your water circuit)
- ▶ Connecting thread 4x 3/4" male



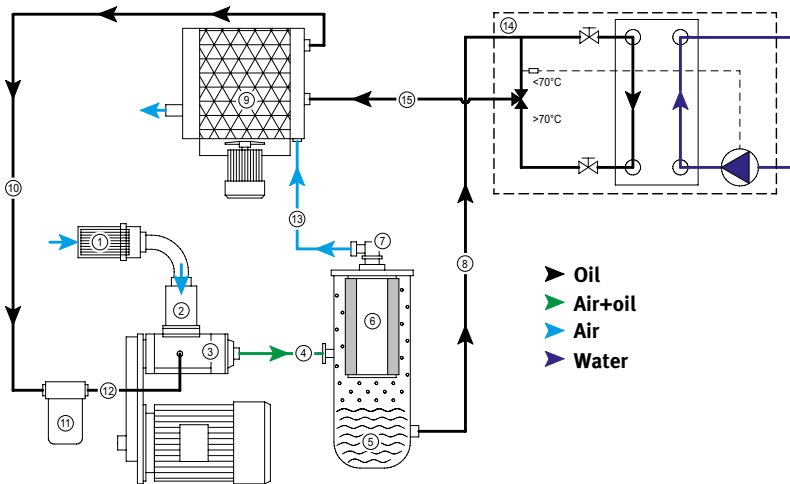
The HRS system can be used on all oil-injected screw compressors.

Technical Data		HRS 20		HRS 30	HRS 50			HRS 75		HRS 100
Matching models		A-PLUS 11-15	A-K-MAX 11-15	A-PLUS 18.5-22	A-PLUS 31	A-PLUS 31	A-PLUS 38	A-PLUS 45	A-PLUS 55	A-PLUS 75
Compressor output	kW	11-15	11-15	18.5 – 22	30	30	37	45	55	75
Working pressure	bar	10	10	10	10	10	10	10	10	10
Thermostat	Type	NYL 43-15	NYL 43-15	NYL 43-15	NYL 63-15	NYL 63-15	NYL 63-15	NYL 63-15	NYL 63-15	SXM 32-50
Thermostat valve IN	Type	X1.252 71	X1.252 71	–	–	X1.252 71	X1.252 71	X1.252 71	X1.252 71	X1.252 71
Thermostat valve OUT	Type	–	–	X1.252 90	X1.252 90	–	–	–	–	–
Max. flow rate	m ³ /h	1.86	1.86	1.92	4.2	4.2	4.2	6	6	7.8
Max. exchange performance	kW	952	1,283	1,324	1,407	1,738	1,821	2,897	4,139	5,380
Oil temperature at inlet	C	80	80	80	80	80	80	80	80	80
Oil temperature at outlet	C	70	70	70	70	70	70	70	70	70
Water inlet temperature	C	50	50	50	50	50	50	50	50	50
Water outlet temperature	C	60	60	60	60	60	60	60	60	60
Plate heat exchanger	N	18	18	20	40	40	40	18	18	20
Mains voltage 50 Hz	V	230	230	230	230	230	230	230	230	230
Weight	kg	24.2	24.2	24.4	27.5	27.5	27.5	30	30	36.4
Length	mm	666	666	666	666	666	666	666	666	666
Width	mm	195	195	195	195	195	195	195	195	195
Height	mm	441	441	441	441	441	441	441	441	441



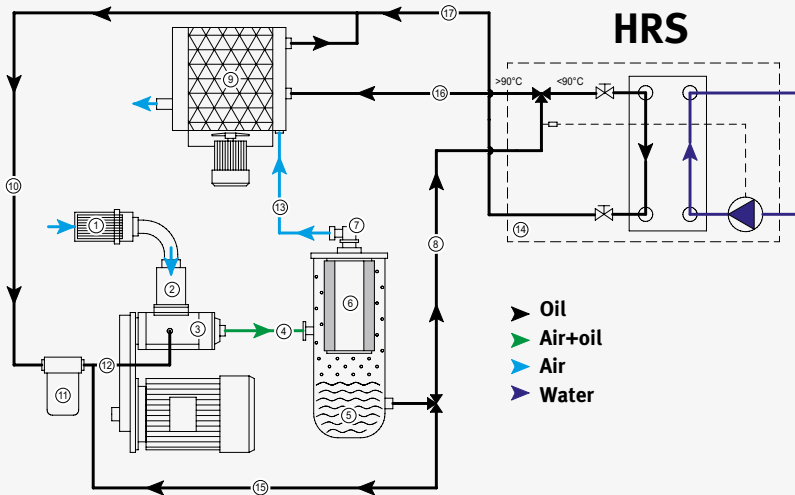
Type	Air compressors	Art. no.	
For screw-type compressors without a thermostat valve "IN" (PLUS, A-K-MAX)			
HRS20 water pump + thermostat valve IN	11 - 15 kW	2049901	
HRS30 water pump + thermostat valve IN	18.5 - 22 kW	2049902	
HRS50 water pump + thermostat valve IN	30 - 37 kW	2049903	
HRS75 water pump + thermostat valve IN	45 - 55 kW	2049904	
HRS100 water pump + thermostat valve IN	75 kW	2049905	
For screw-type compressors with a thermostat valve "OUT" (PLUS)			
HRS20 water pump + thermostat valve OUT	11 - 15 kW	2049910	
HRS30 water pump + thermostat valve OUT	18.5 - 22 kW	2049911	
HRS50 water pump + thermostat valve OUT	30 - 37 kW	2049912	
HRS75 water pump + thermostat valve OUT	45 - 55 kW	2049913	
HRS100 water pump + thermostat valve OUT	75 kW	2049914	

Function plan thermostat valve "IN"



- ① Filter
- ② Extraction controller
- ③ Compressor
- ④ Pipelines
- ⑤ Fuel tank separator
- ⑥ Oil separator
- ⑦ Minimum pressure valve
- ⑧ Pipelines
- ⑨ Cooler
- ⑩ Pipelines
- ⑪ Oil filter
- ⑫ Pipelines
- ⑬ Pipelines
- ⑭ Heat oil intake
- ⑮ Pipes

Function plan thermostat valve "IN"



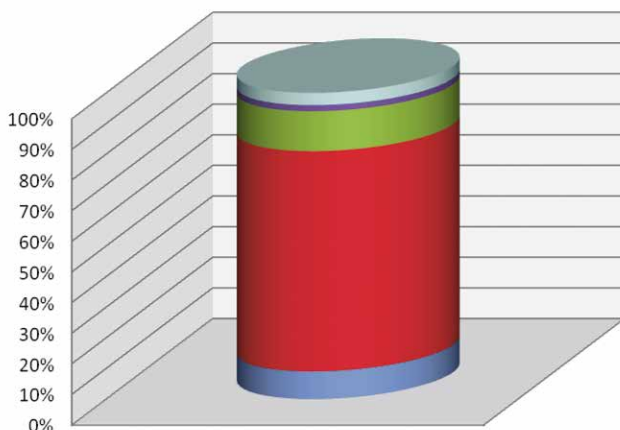
- ① Filter
- ② Extraction controller
- ③ Compressor
- ④ Pipelines
- ⑤ Fuel tank separator
- ⑥ Oil separator
- ⑦ Minimum pressure valve
- ⑧ Pipelines
- ⑨ Cooler
- ⑩ Pipelines
- ⑪ Oil filter
- ⑫ Pipelines
- ⑬ Pipelines
- ⑭ Heat oil intake
- ⑮ Pipelines
- ⑯ Pipelines
- ⑰ Pipelines

► The heat recovery scope depends on the size of the compressors and the type of replaced energy (electricity, gas, heating oil), but an investment becomes interesting for compressors as of 11 kW installed power. Given the current energy costs, the

amortisation period of heat recovery systems varies between 6 months and 2 years (assuming a plate heat exchanger for heating systems).

Heat recovery is a genuine option for improving the efficiency of a compressed air system. The effect on energy costs translates to savings three times that of a variable speed compressor, and 20 times that of an IE3 or a permanent magnet motor.

Heat of compression



- 4% Heat remaining in the air
- 2% Losses by radiation
- 13% Heat removed from the air cooler
- 72% Heat removed from the oil cooler
- 9% Heat radiated by the electric motor



Components for compressed air systems

Pressure vessel arrays

Compressed air vessels

Compressed air energy saver

Spare parts

Accessories

Power units



Pressure vessel arrays - for up to 400 litres of additional air supply

Maximum pressure vessel capacity on minimum footprint - the space-saving solution

- ▶ Pressure vessel arrays available as 2x and 4x arrays
- ▶ All pressure vessel arrays available as a 13 bar variant with 75 l containers
- ▶ Enabling the second compressed air vessel doubles the pressure vessel volume, thus creating a greater compressed air reserve

- ▶ Helps to cover short-term peaks in compressed air requirements
- ▶ If required, individual compressed air vessels can be shut-off from the compressed air supply using ball valves; this decreases the volume of the pressure vessel, thus building up the pressure faster
- ▶ The installation and recurring tests can thus also be performed by a qualified person.

- ▶ Applies to Germany only
- ▶ Interior and exterior of vessel hot-dip galvanised, **15-year warranty against rust perforation of the tank**
- ▶ All pressure vessel arrays can be easily moved with a pallet truck.

The air reserve of a compressor with a 100 l pressure vessel is expandable up to 500 litres using Aircraft pressure vessel arrays



AIRPROFI 853/100/10 H

- ▶ Connected via an optional flexible armoured hose to a dual pressure vessel array KB 2x100/10
- ▶ Pressure vessel arrays can be moved easily with a pallet truck



KB 2x75/13

Figure shows standard scope of delivery



KB 4x100/10

Figure shows standard scope of delivery

	10 bar	13 bar	10 bar	13 bar
Model	KB 2x100/10	KB 2x75/13	KB 4x100/10	KB 4x75/13
Article no.	2502102	2502132	2502104	2502134
Technical Data				
Number of vessels	2	2	4	4
Pressure vessel capacity	2 x 100 l	2 x 75 l	4 x 100 l	4 x 75 l
Maximum pressure	10 bar	13 bar	10 bar	13 bar
Vessel connection	3/4"	3/4"	3/4"	3/4"
Dimensions (LxWxH) in mm	420 x 900 x 1,510	420 x 900 x 1,480	900 x 900 x 1,510	900 x 900 x 1,480

Connection set BEKOMAT/ÖWAMAT

Scope of supply:

Öwamat 10, Bekomat 31, all parts for connecting to the respective pressure vessel array, incl. factory assembly

Optional equipment	Article no.
Connection set BEKOMAT/ÖWAMAT to KB2 x 100 / KB2 x 75	2504150
Connection set BEKOMAT/ÖWAMAT to KB4 x 100 / KB4 x 75	2504151

For important information and our full range of condensate treatment systems, see the Compressed air treatment section.



Fig. shows KB 4x100/10 with accessories

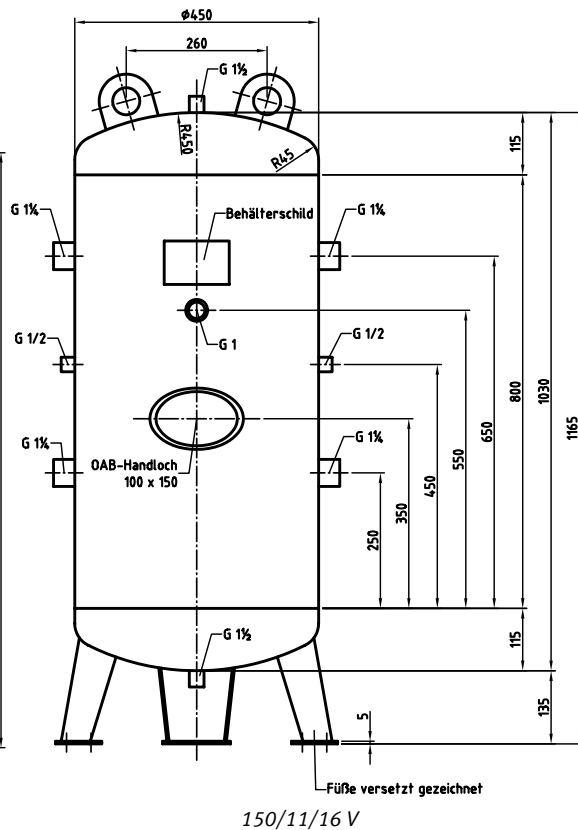
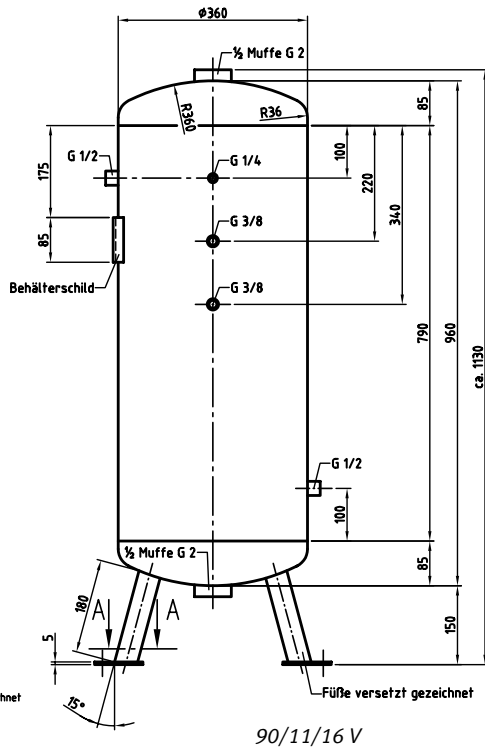
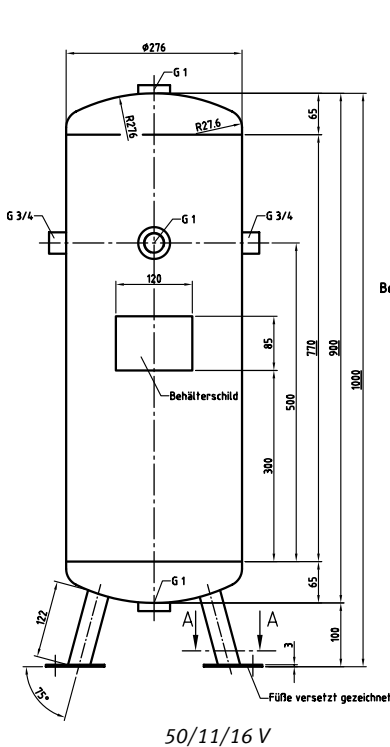
- (1) Condensate treatment with supply line
- (2) Automatic condensate drain with
- (3) Flexible hoses as supply lines
- (4) Microfilter

Components for compressed air systems

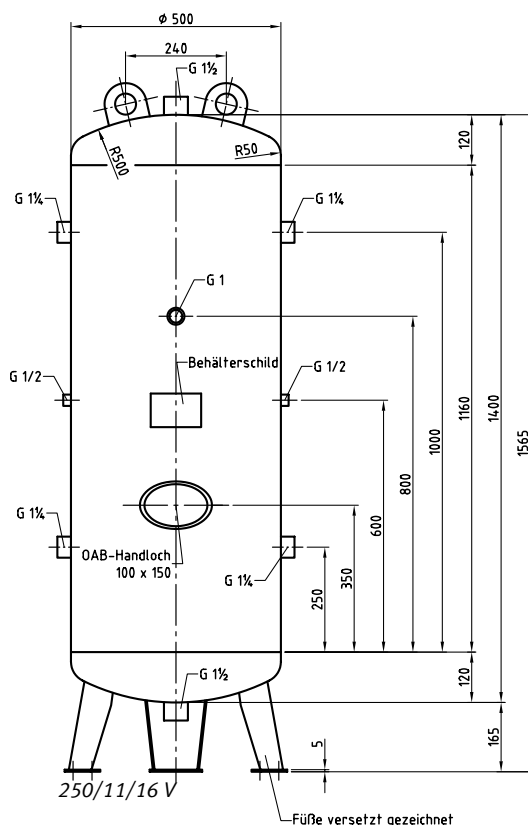
Compressed air vessels in line with AD 2000/without fitting set/11 and 16 bar

- ▶ Hot-dip galvanised inside and out
- ▶ Built as per EC Directive 87/404/EEC or PED 97/23/EC - AD 2000, module: H/H 1
- ▶ Operating conditions as per AD 2000 - S1 (10/2000) = start-up and ramp-down and 20% pressure fluctuation range

Upright type					
Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
50/11 V	11	50	with plugs	25	2500618
50/16 V	16	50	with plugs	25	2500818
90/11 V	11	90	with plugs	40	2500620
90/16 V	16	90	with plugs	40	2500820
150/11 V	11	150	Recess	65	2500623
150/16 V	16	150	Recess	80	2500823

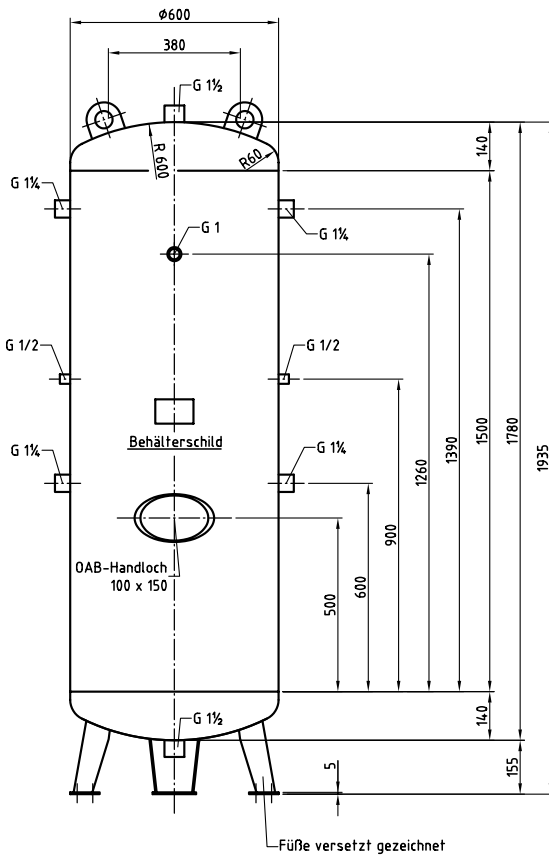


Upright type					
Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
250/11 V	11	250	Recess	110	2500625
250/16 V	16	250	Recess	120	2500825



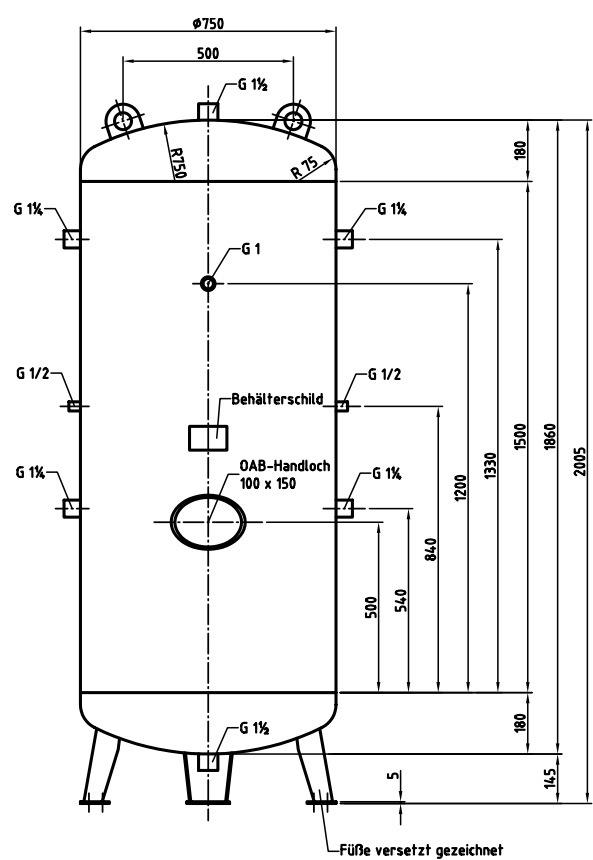
Upright type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
500/11 V	11	500	Recess	150	2500650
500/16 V	16	500	Recess	180	2500850



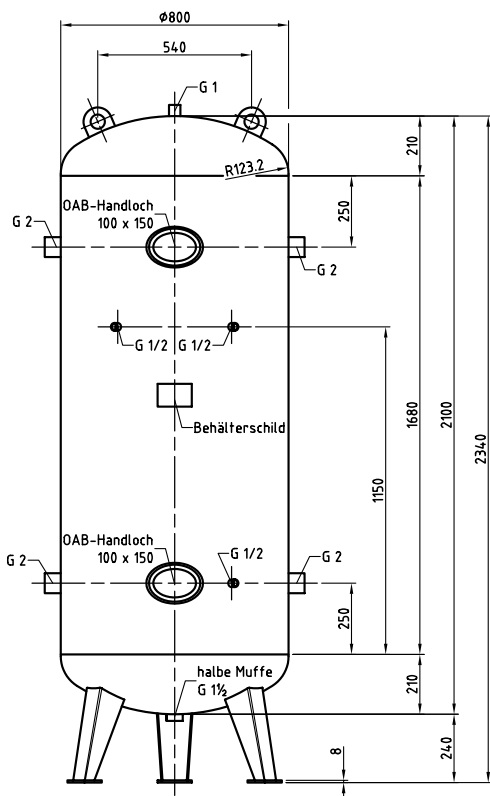
Upright type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
750/11 V	11	750	Recess	200	2500675
750/16 V	16	750	Recess	275	2500875



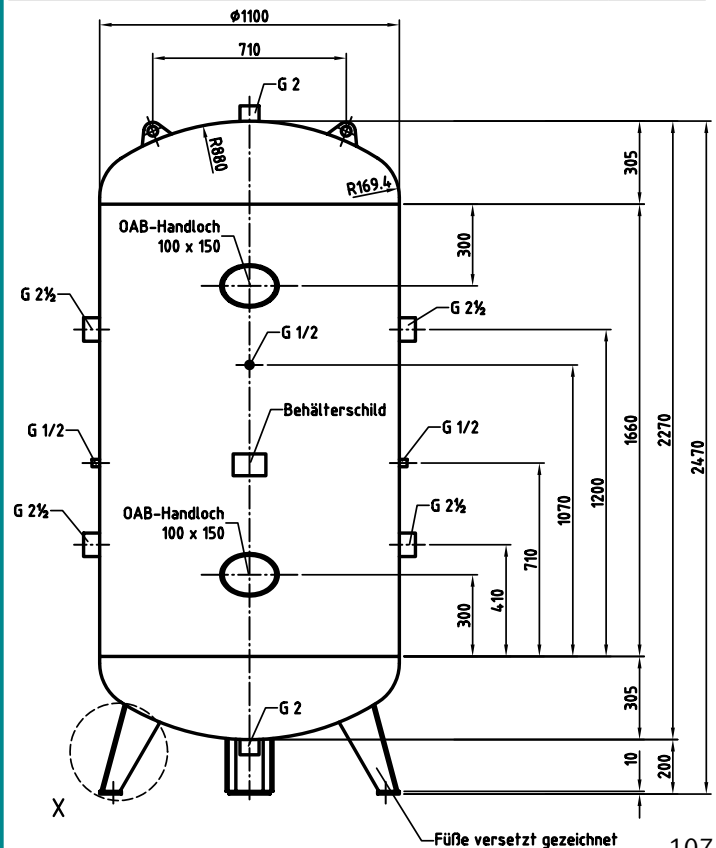
Upright type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
1000/11 V	11	1,000	Recess	315	2500680
1000/16 V	16	1,000	Recess	380	2500880



Upright type

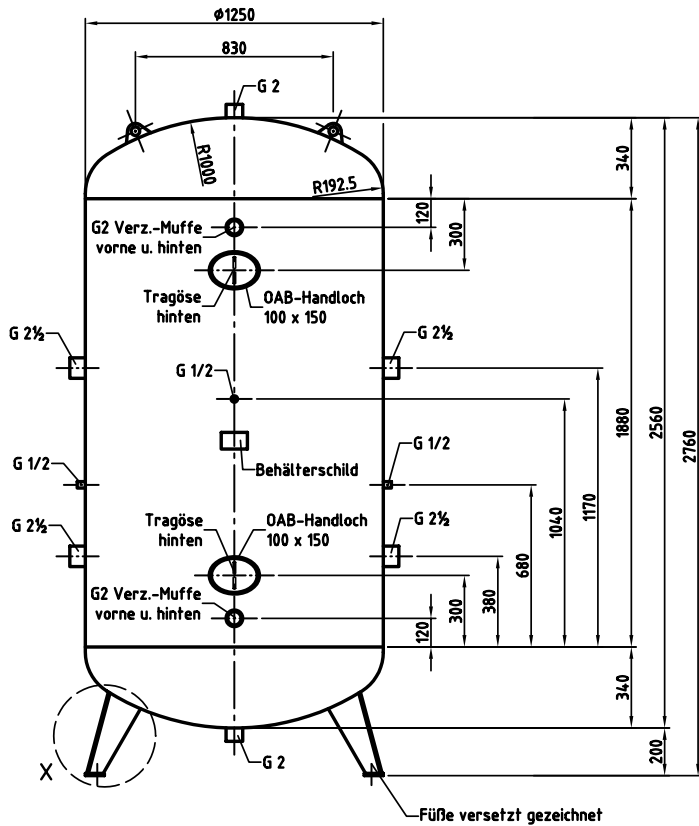
Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
2000/11 V	11	2,000	Recess	500	2500700
2000/16 V	16	2,000	Recess	620	2500900



Components for compressed air systems

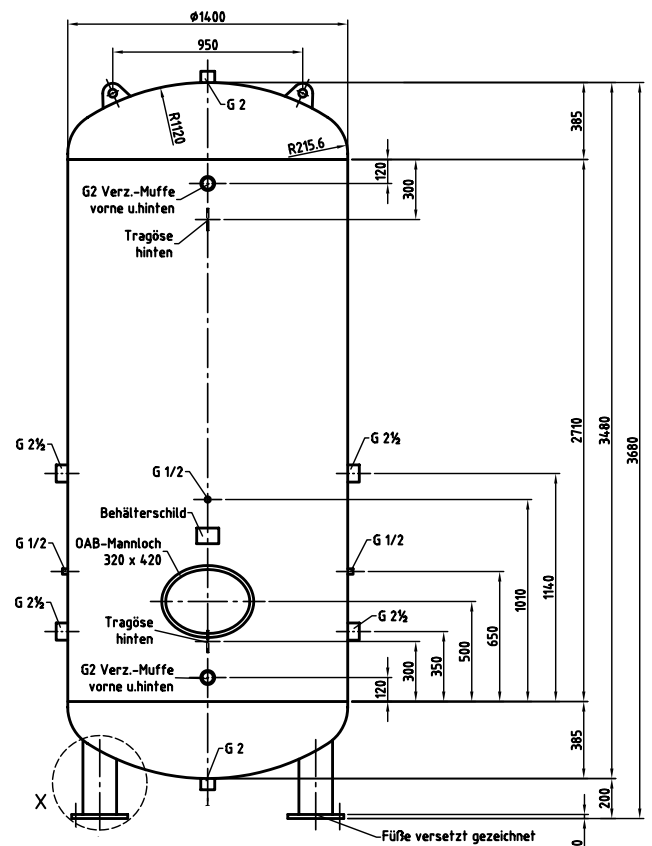
Upright type

Type	Pressure	Pressure vessel capacity	Manual/ Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
3000/11 V	11	3,000	Recess	660	2500710
3000/16 V	16	3,000	Recess	850	2500910



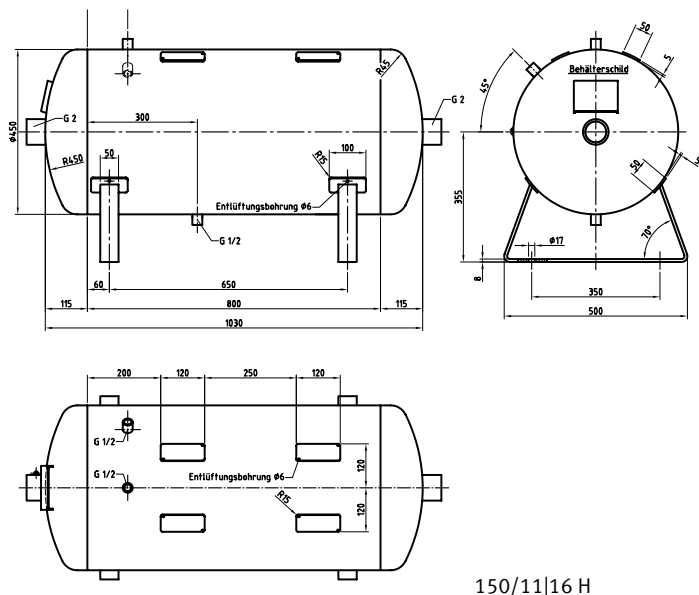
Upright type

Type	Pressure	Pressure vessel capacity	Manual/ Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
5000/11 V	11	5,000	Manhole	1,070	2500730
5000/16 V	16	5,000	Manhole	1,430	2500930

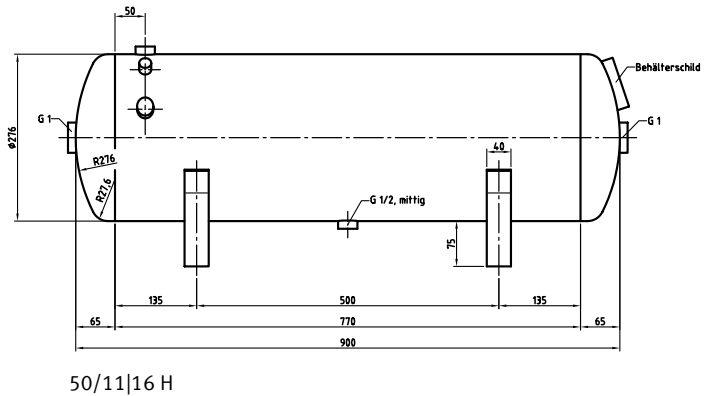


Horizontal type

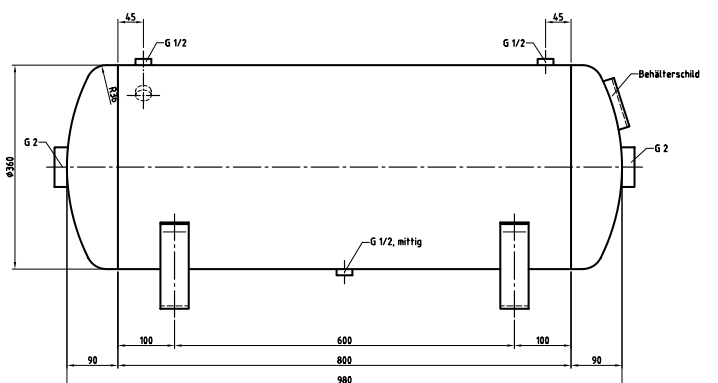
Type	Pressure	Pressure vessel capacity	Manual/ Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
50/11 H	11	50	with plugs	25	2500619
50/16 H	16	50	with plugs	25	2500819
90/11 H	11	90	with plugs	35	2500622
90/16 H	16	90	with plugs	35	2500822
150/11 H	11	150	with plugs	70	2500624
150/16 H	16	150	with plugs	95	2500824



150/11|16 H



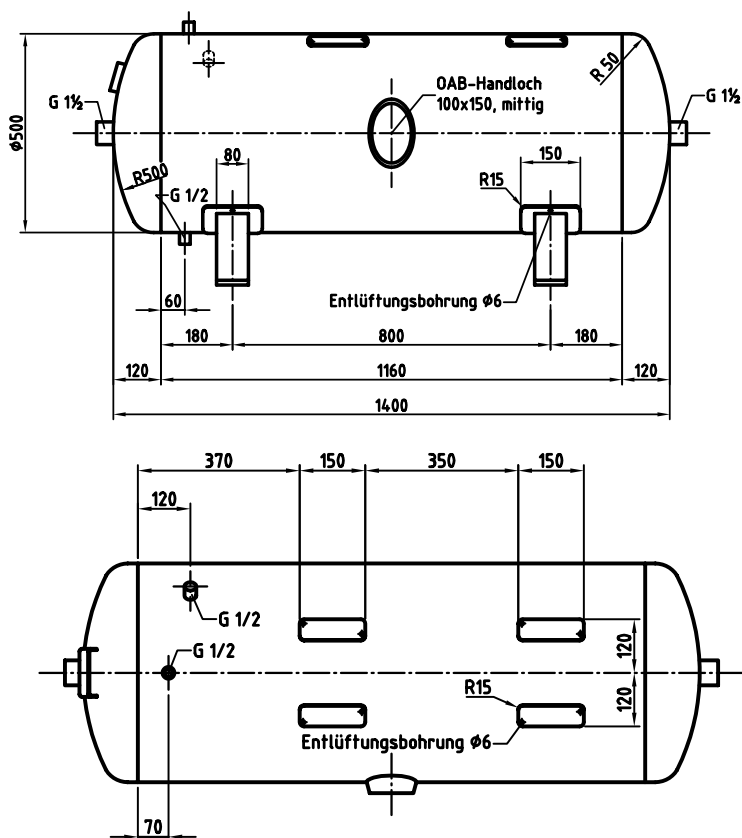
50/11|16 H



90/11|16 H

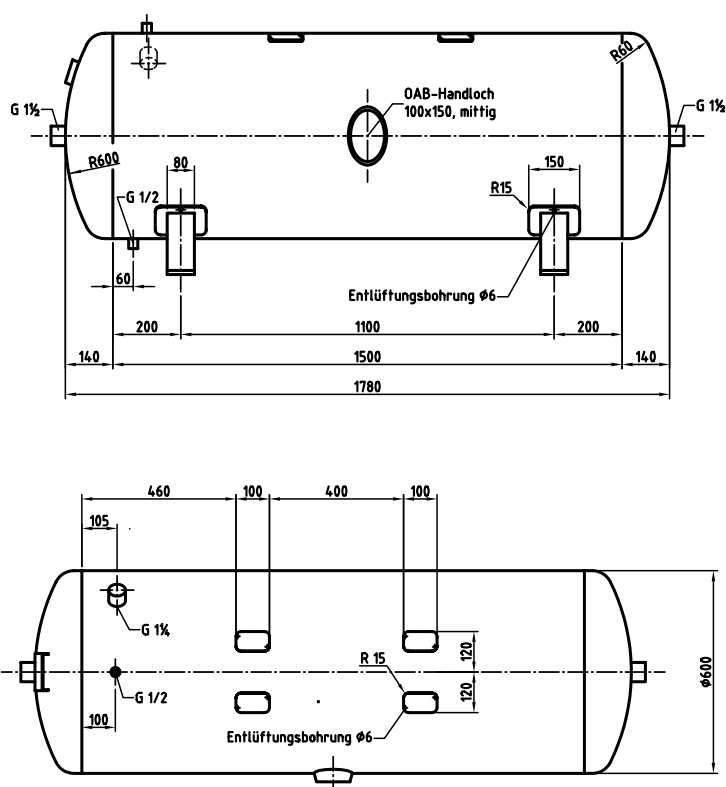
Horizontal type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
250/11 H	11	250	Recess	100	2500626
250/16 H	16	250	Recess	120	2500826



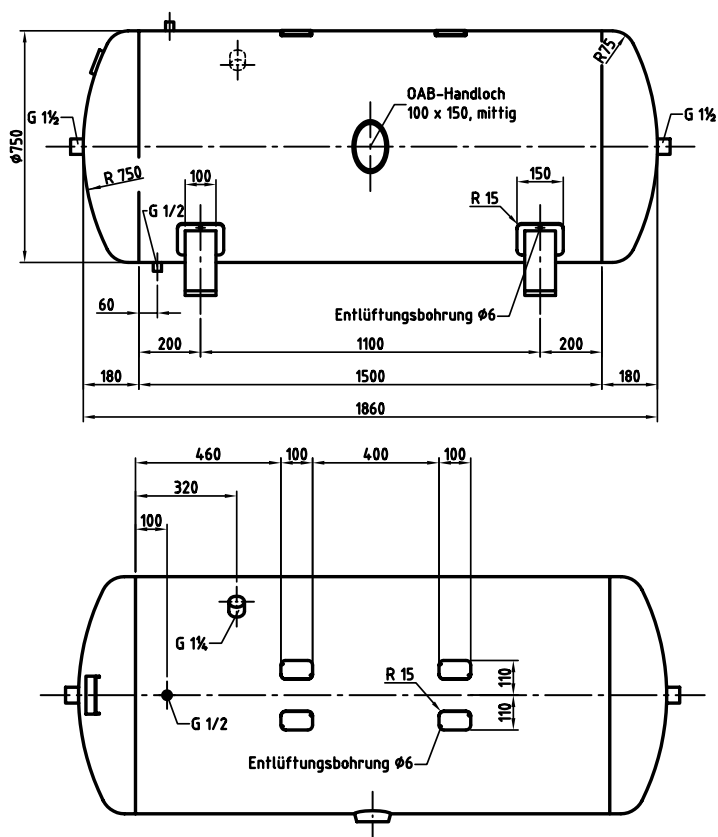
Horizontal type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
500/11 H	11	500	Recess	150	2500651
500/16 H	16	500	Recess	150	2500851



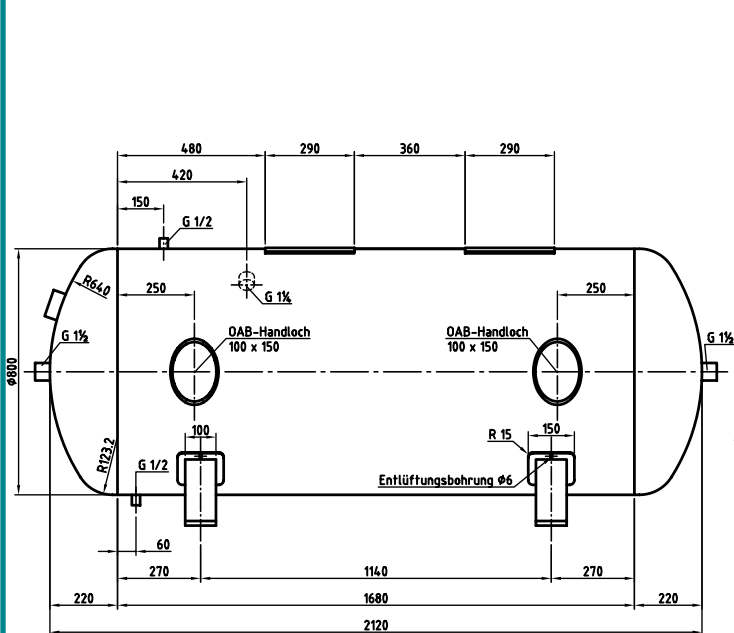
Horizontal type

Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
750/11 H	11	750	Recess	210	2500676
750/16 H	16	750	Recess	280	2500876



Horizontal type

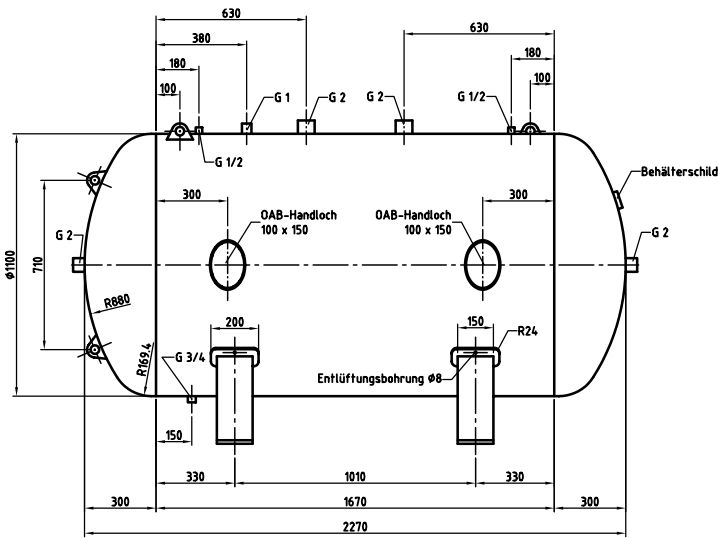
Type	Pressure	Pressure vessel capacity	Manual/Manhole	Weight	Art. no.
DB zinc plating	bar	l		kg	
1000/11 H	11	1,000	2 x recess	300	2500681
1000/16 H	16	1,000	2 x recess	380	2500881



Components for compressed air systems

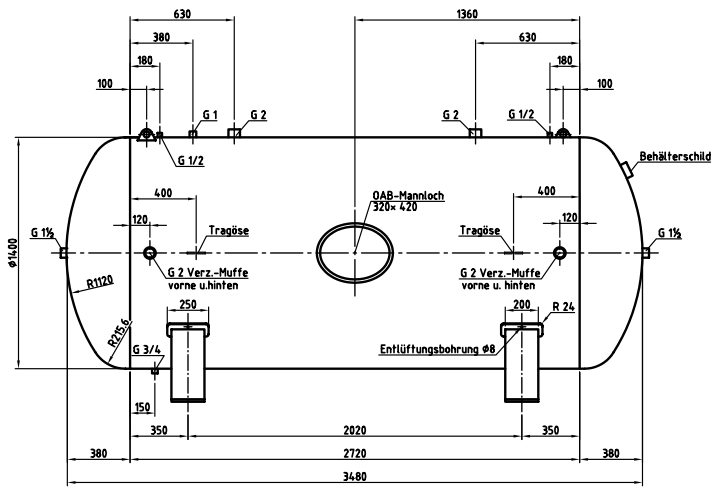
Horizontal type

Type	Pressure bar	Pressure vessel capacity l	Manual/ Manhole	Weight kg	Art. no.
2000/11 H	11	2,000	2 x recess	480	2500701
2000/16 H	16	2,000	2 x recess	620	2500901



Horizontal type

Type	Pressure bar	Pressure vessel capacity l	Manual/ Manhole	Weight kg	Art. no.
5000/11 H	11	5,000	Manhole	1,020	2500731
5000/16 H	16	5,000	Manhole	1,360	2500931



Basic fitting set 1/2" up to 750 l. 11 bar

- 1x three-way valve 1/2" with flange 60x25x10 (ASFIG34MS12)
- 1x low pressure ball valve 1/2" brass (H1502004000)
- 1x Manometer G 1/2" 16 bar, set to 11 bar (WW9022619)
- 1x safety valve HSV 1/2", 11 bar (H0620504110)
- 1x elbow 90°, 1/2", galvanized (FF4015889014051)

Use with pressure vessel size	Pressure (bar)	Compressed air connection	Art. no.
up to 750 litres	11	1/2"	2500611

Basic fitting set 1/2" up to 750 l. 16 bar

- 1x three-way valve 1/2" with flange 60x25x10 (ASFIG34MS12)
- 1x low pressure ball valve 1/2" brass (H1502004000)
- 1x Manometer G 1/2" 25 bar, set to 16 bar (WW9012605)
- 1x safety valve HSV 1/2", 16 bar (H0620504160)
- 1x elbow 90°, 1/2", galvanized (FF4015889014051)

Use with pressure vessel size	Pressure (bar)	Compressed air connection	Art. no.
up to 750 litres	16	1/2"	2500616

Basic fitting set 1" up to 1000 l. 11 bar

- 1x three-way valve 1/2" with flange 60x25x10 (ASFIG34MS12)
- 1x low pressure ball valve 1" brass (H1502010000)
- 1x Manometer G 1/2" 16 bar, set to 11 bar (WW9012605)
- 1x Sicherheitsventil HSV 1", 11 bar (H0620510110) NL/min. 1432
- 1x elbow 90°, 1", galvanized (FF4015889014259)

Use with pressure vessel size	Pressure (bar)	Compressed air connection	Art. no.
as of 1,000 litres	11	1"	2500612

Grundarmatursatz 1" ab 1.000 ltr. 16bar

- 1x three-way valve 1/2" with flange 60x25x10 (ASFIG34MS12)
- 1x low pressure ball valve 1" brass (H1502010000)
- 1x Manometer G 1/2" 25 bar, set to 16 bar (WW9012605)
- 1x safety valve HSV 1", 16 bar (H0620510160) NL/min. 2032
- 1x elbow 90°, 1", galvanized (FF4015889014259)

Use with pressure vessel size	Pressure (bar)	Compressed air connection	Art. no.
as of 1000 litres	16	1"	2500617



Teflon sealing tape

Type	Art. no.
12 m x 12 mm x 0.1 mm 60 g/m ² (PU 10)	2500020



Blind plug

Blind plug	PU	Art. no.
Blind plug 1/8"	25	2200211
Blind plug 1/4"	25	2200212
Blind plug 3/8"	25	2200213
Blind plug 1/2"	25	2200214



Galvanized steel dummy plug 1 1/4" - 2 1/2"

Dummy plug	PU	Art. no.
Dummy plug 1 1/4"	1	22511667
Dummy plug 1 1/2"	1	22511668
Dummy plug 2"	1	22511669
Dummy plug 2 1/2"	1	22511671

Screw plug

Art. no.

Screw plug G 1/4"

with hex. socket as per ISO 228-1,
Brass CW614N / SW22

Screw plug G 3/8"

Brass with hex. socket 8 mm
as per ISO 228-1,
Brass CW614N/size 8

Screw plug G 1/2"

Hex. head as per ISO 228-1,
Brass CW614N / SW24

Screw plug G 3/4"

Cylindrical OT/
nickel plated brass/size 17

Screw plug G 1"

Nickel plated brass, cylindrical out-
side as per ISO 228-1/size 36

Screw lock

medium tight for gap 0.05 - 0.25

Type	PU	Art. no.
Screw lock 10 g	10	2500022
Screw lock 50 g	1	2500023
Screw lock 250 g	1	2500024



Compressed air energy savers - saves compressed air and energy

- ▶ Shuts off the compressed air vessel from the remaining air network at the end of the working day; this means that the compressed air content stays in the vessel
- ▶ Opens automatically at the preset shift start, and shuts-off at the end of the shift
- ▶ Multiple shifts can be configured daily – thanks to microprocessor control and 7 day timer program
- ▶ Slow 90° ball valve rotation in 30 seconds for G1, or 105 seconds for G2 avoids backlash on opening and closing
- ▶ With FPM seals and stainless steel balls
- ▶ Brass nickel-plated valve body
- ▶ 24 hour timer display
- ▶ Operating temperature: 0°C to 60°C
- ▶ Operating voltage: 115 V or 240 V AC/DC 50/60 Hz
- ▶ Power consumption: 7 W during cycle switch
- ▶ Max. temperature: 50°C ambient temperature, 100°C medium temperature
- ▶ Pressure range: 0 to 16 bar
- ▶ Protection class: IP 54



Energy saver G1



Energy saver G2

Type	Art. no.
Energy saver G1, connection: IT 1"	2150001
Energy saver G2, connection: IT 2"	2150003

Remote control option for Aircraft energy savers

- ▶ Matches Art. nos. 210001 and 2150003



Type	Art. no.
Remote control with 5 m cable	2150002

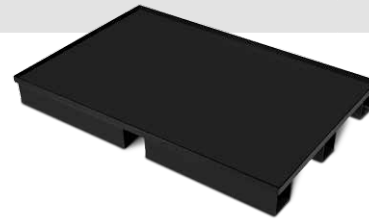
Ball valves

- ▶ Suitable for compressed air with full free passage
- ▶ Temperature resistant from -20°C to +180°C



Type	Art. no.
R 3/8" IT	3/8" IT 2507710
R 3/8" IT	3/8" OT 2507711
R 1/2" IT	1/2" IT 2507712
R 1/2" IT	1/2" OT 2507714
R 3/4" IT	3/4" IT 2507715
R 3/4" IT	3/4" OT 2507716
R 1" IT	1" IT 2507720
R 1" IT	1" OT 2507721
R 1 1/4" IT	1 1/4" IT 2507725
R 1 1/4" IT	1 1/4" OT 2507726
R 1 1/2" IT	1 1/2" IT 2507730
R 1 1/2" IT	1 1/2" OT 2507731
R 2" IT	2" OT 2507741

Safety pallet SSP



Type	Art. no.
1200 x 800 x 140 mm	2030103

Electromagnetic start-up relief 24 V AC



Type	Art. no.
normally closed	2506015
normally open	2506017

Noise-insulation for electromagnetic start-up relief

- ▶ Made of sintered bronze



Type	Art. no.
Sound absorber 3/8"	2255673M

Star-delta switch 400 Volt

Ready for connection, fully wired in wall mounting cabinet

- ▶ Incl. connecting cable to air compressor
- ▶ Housing lockable, protection class IP 54
- ▶ With operating hour counter
- ▶ Operations on compressor only with with electromagnetic start-up valve, Art. no. 2506015, normally closed, 24 volt AC



Type	Art. no.
Star-delta switch 400 Volt for 5.5 and 7.5 kW motors	2506010
Star-delta switch 400 Volt for 11 kW motors	2506011

AIRCRAFT Tandem control

For time-delayed switching on and off of two compressors

- ▶ During maintenance of one compressor unit, the compressor can continue running with a single compressor unit
- ▶ Control principle: time delay setting, one overload relay per motor, one operating hours display per compressor, separate shutdown of the two compressors



Type	Art. no.
Tandem control	2506013

Components for compressed air systems

AIRCRAFT base load cyclic load control

- For controlling two compressors each with an output of 4.0 or 5.5 kW
- Cyclic changes of basic and peak-load compressor
- Two operating hour counters integrated
- Actual pressure value measured by pressure sensor 0 - 16 bar
- Adjustable motor circuit breaker
- Adjustable switch-on pressure
- Including control for relief valve 24 V DC (e.g., solenoid valve, Art. no. 250 6016,
- solenoid valves not included in scope of delivery)
- Includes connection option for safety switch (e.g., CONDOR MDR2, Art.no. 250 6214,
- Pressure switch not included in scope of delivery)



Type	Art. no.
Base load cyclic load control	2506020

Pressure switch CONDOR

- Switch-off pressure configurable, incl. motor circuit breaker insert
- With 3-pole disconnecting on/off switch and start-up relief valve



Type	Art. no.
MDR 2/11 bar, pressure vessel connection 3/8", 3 x 1/4" horizontal with AEV2S relief valve	2506214
MDR 4/16/8-16 bar, incl. relief valve, 4 x 1/4" connection, preset to 7.8 to 9.8 bar, adjustable up to 16 bar at 400 V Max 16 amp.	2506300
MDR 3/11 bar / 4 - 6.3 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	2506303
MDR 3/11 bar / 6.3-10 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	2506304
MDR 3/11 bar / 10-16 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	2506305
MRD 3/16 bar / 10-16 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	2506307

Hood with operating hour counter for pressure switch



Type	Art. no.
matches CONDOR MDR 3 model	2506301

Motor circuit breaker



Type	Art. no.
Motor circuit breaker 2-phase, 4 Amp.	2506504
Motor circuit breaker 2-phase, 7 Amp.	2506507
Motor circuit breaker 2-phase, 10 Amp.	2506510
Motor circuit breaker 1-phase, 10 Amp.	2506610
Motor circuit breaker 1-phase, 12 Amp.	2506612
Motor circuit breaker 1-phase, 14 Amp.	2506614

Pressure gauge



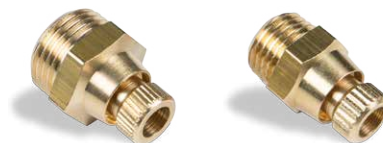
Type	Art. no.
Ø 40 mm, 1/8" rear, 10 bar	2506440
Ø 50 mm, 1/8" side, 10 bar	2506451
Ø 50 mm, 1/4" side, 10 bar	2506452
Ø 50 mm, 1/4" rear, 16 bar	2506450
Ø 63 mm, 1/4" rear, 10 bar	2506460
Ø 63 mm, 1/4" rear, 15 bar	2506465

Safety valve category IV CE 97/23



Type	Art. no.
10 bar 1/4" OT, 1170 NI/min	2507210
New 13 bar 1/4" OT, 3070 NI/min	2507213
15 bar 1/4" OT, 4400 NI/min	2507215
10 bar 3/8" OT, 3050 NI/min	2507121
15 bar 3/8" OT, 4400 NI/min	2507124
New 10 bar 1/2" OT, 3970 NI/min	2507126
New 15 bar 1/2" OT, 5790 NI/min	2507127
New 10 bar 3/4" OT, 10900 NI/min	2507128
New 15 bar 3/4" OT, 24850 NI/min	2507129

Condensate drain valve



Type	Art. no.
1/4"	2507307
3/8"	2507310

Non-return valves with connection for 6 mm relief line



Type	Art. no.
RS valve 1/2" OT x 3/8" OT	2507510
RS valve 1/2" OT x 1/2" OT	2507512
RS valve 3/4" OT x 3/4" OT	2507516

New Push-in connector for 8 mm line



Connection	Design	Bar max.	Art. no.
1/8" OT x 8 mm	straight	15	2251220188
2 x 8 mm	straight	15	225135008
2 x 8 mm	Angle	16	225748008
① 3/8" OT x 8 mm	Angle	16	22577540388
② 1/4" OT x 8 mm	straight	16	2257440148
③ 3 x 8 mm	T-piece	16	225749008

New Push-in connector for 6 mm line



Connection	Design	Bar max.	Art. no.
① 1/8" OT x 6 mm	straight	15	2251220186
② 1/8" OT x 6 mm	Angle	15	2251250186
1/4" OT x 6 mm	straight	16	2257440146

New Push-in connector for 4 mm line



Connection	Design	Bar max.	Art. no.
① 1/8" OT x 4 mm	straight	16	2258450184
M5 OT x 4 mm	Angle	15	2251250054
② M5 OT x 4 mm	T-piece	15	2251310054
M5 OT x 4 mm	straight	16	2258450054

New Polyamide lines



Bulk	Art. no.
Ø 4mm external, max. 44 bar	22525909
Ø 6mm external, max. 27 bar	22525911
Ø 8mm external, max. 19 bar	22525912

Flexible hoses



Type, IT/OT	Art. no.
3/8" x 400 mm	2507610
3/8" x 570 mm	2507612
1/2" x 500 mm	2507615
1/2" x 1,500 mm	2507617
3/4" x 550 mm	2507621
3/4" x 630 mm	2507622
3/4" x 800 mm	2507624
3/4" x 1,500 mm	2507625
1" x 1500 mm	2500195
1 1/4" x 1,500 mm	2500196
1" 1/2 x 1,500 mm	2500199
1" 1/2 x 1,500 hydraulic line	2500199

Screw lock

· medium tight for gap 0.05 - 0.25



Type	PU	Art. no.
Screw lock 10 g	10	2500022
Screw lock 50 g	1	2500023
Screw lock 250 g	1	2500024

Impellers



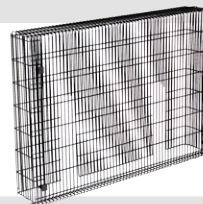
Type	Art. no.
① Steering roller with metal brake	2505562
Wheel axle L: 460 mm for 50 l vessel	2500966
Wheel axle L: 495 mm for 100 l vessel	2500967
Wheel axle L: 675 mm for 200 l vessel	2500968
Star lock cap for wheel axle Ø 20 mm	2505505
② PU foam wheel diameter 260 x 20 mm, puncture-proof	2505629

Rubber anti-vibration elements for supporting pressure vessels, power units, etc.



Type	Art. no.
SE 1 - 120 x 32 x 100 mm / M 12	3381012
SE 2 - 100x38 mm/M10 with single-sided thread	2505640
SE 3 - 70 x 38 mm / 2 x M10, with two-sided thread	2505650
SE 4 - 30 x 20 mm / 2 x M8, with two-sided thread	2505630

Safety grille metal



Type	Art. no.
570 x 780 mm, for stationary models as of model year '09	2501211
380 x 600, mm for 50 l pressure vessel as of MY '09	2501215
470 x 730, mm for 100 l pressure vessel as of MY '09	2501218

Oils



Type	Art. no.
Special oil for Airboy Silence 50 Pro RoilOil	
Simco 32 E, 1 5 l canister	2500014
Special oil for piston type compressors, 1 bottle, 1 l	2500012
Special oil for piston type compressors, 1 canister 5 l	2500015
Special oil for premium compressors, 1 bottle, 1 l	2500017
Oil Rot-Energy-Plus, 46 cSt, 1 canister 3.75 l	0600000018
Oil Rot-Energy-Plus, 46 cSt, 1 canister 18.5 l	0600000007
Oil Rot-Energy-Plus, 46 cSt, 4 canisters 3.75 l	0600000009
Oil Rot-Energy-Plus, 46 cSt, 1 barrel, 210 l	0600000012

Components for compressed air systems

Components

V-belt pulley



Type	Art. no.
A 110 x 24	2504100
SPZ 110 x 28	2504112
A 120 x 24	2504120
SPZ 120 x 28	2504122
SPB 130 x 28	2504131
SPB 160 x 28	2504161
A 140 x 24	2504140
SPZ 170 x 28	2504172
SPB 180 x 28	2504181
SPB 200 x 28	2504201
A 180 x 28 dual-groove	2505180

Toothed v-belt



Type for models up to MY 08/2009	Art. no.
AX 53	2505353
AX 60	2505360
AX 62	2505362
AX 70	2505370
Type for models as of MY 08/2009	Art. no.
AX 43	2505208
AX 45.5	2505210
AX 50	2505214
XPB 1900	2505218
XPZ 1500	2505221
XPZ 1600	2505224

Wear parts for compressors

Compressor	Wear part	Art. no.
MK 102	Valve plate	0250130217
MK 102	Air filter cartridge	0250130219
MK 102	Seal kit	0250130224
MK 103	Valve plate	0250130317
MK 103	Air filters	0250131231
MK 103	Seal kit	0250130324
MK 113	Valve plate	0250131228
MK 113	Air filters	0250131231
MK 113	Seal kit	0250131239
MK 102 MK 103 MK 113	Start-up relief valve 1/4" 2.2 bar	0250130221
BK 119	Valve plate	0250131925
BK 119	Air filter cartridge Ø 65 mm	0250131928
BK 119	Seal kit	0250131940
BK 120	Valve plate	0250132042
BK 120	Air filter cartridge	0250132163E
BK 120	Seal kit	0250132164
BK 119, 120	Safety valve 1/4" 16.5 bar	0250131931
BK 119, 120	Safety valve 1/4" 6 bar	0250131934
VKM 362 3M	Valve plate	0250140006
VKM 362 3M	Seal kit	0250133062
VKM 362 3M	Air filter cartridge	0250134013
VKM 320 3M oil-free	Valve plate	0413175002
VKM 320 3M oil-free	Seal kit	
VKM 320 3M oil-free	Air filter cartridge	0250134013

Motors



Type	Art. no.
1.5 kW/230 V with motor protection 12A, 1Ph.	2502151
1.8 kW/230 V with motor protection 12A, 1Ph.	2502181
1.8 kW/400 V with motor protection 4A, 2Ph.	2502183
2.2 kW/230 V with motor protection 16A, 1Ph.	2502221
2.2 kW/ 400 V	2502222
3.0 kW/ 400 V	2502302
4.0 kW/ 400 V	2502402
5.5 kW/ 400 V	2502553
7.5 kW/ 400 V	2502753
11 kW / 400 V	2502853

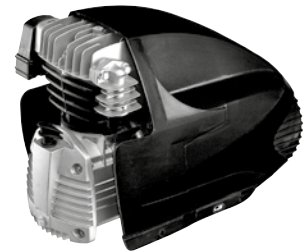
Power units



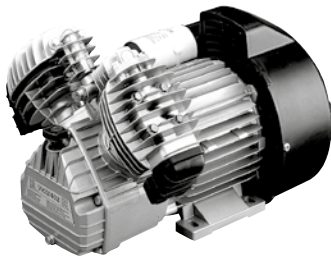
SF 2500 - 2 M



OL 1850 - 1.5 M



MK 265 - 2 M - MK 285 - 2.5 M



VKM 362 - 3 M - VKM 402 - 3 M



VKM 592 - 4



MK 2400 - 2 M

Type	Maximum pressure bar	Number of cylinders	Motor output kW	Intake capacity l/min	Speed rpm	Voltage V	Weight kg	Art. no.
Single-phase oil lubricated								
MK 97/15 - 0.75 M	15	1	0.55	87	1,420	230	10.5	2501370
MK 2400 - 2 M	8	1	1.50	170	2,850	230	10	2501420
OL 1850 - 1.5 M	8	1	1.10	179	2,850	230	9.5	2501361
SF 2500 - 2 M	8	1	1.50	185	2,850	230	9.5	2501391
MK 265 - 2 M	10	1	1.50	250	2,850	230	11	2501411
MK 285 - 2.5 M	10	1	1.80	260	2,850	230	14.5	2501381
VKM 362 - 3 M	10	2 V	2.20	310	1,420	230	21.5	2501330
VKM 402 - 3 M	10	2 V	2.20	400	2,850	230	23.6	2501440
Three-phase oil lubricated								
VKM 592 - 4	10	1	3.00	590	1,420	400	45.5	2501355



MK 102 - MK 103



MK 113



BK 119



BK 120



BKV 30

Type	Maximum pressure bar	Number of cylinders	Motor output kW	Intake capacity l/min	Speed rpm	Weight kg	Art. no.
Single-stage with parallel cylinder							
MK 102	10	2	1.50	235	1,040	8	2501302
MK 103	10	2	2.20	365	1,370	8.3	2501303
MK 113	10	2	4.00	556	1,440	18.3	2501312
Two-stage with parallel cylinder							
BK 119	10	2	5.50	840	1,250	26.5	2501319
BK 120	10	2	7.50	1,080	1,100	40	2501321
4-cylinder two-stage V-belt driven							
BKV 30	11	4	11.00	1,745	1,200	96	2501130
BKV 50	11	4	20.00	2,148	1,000	96	2501150

Compressed air quality classes as per DIN ISO 8573

The compressed air quality classes according to DIN ISO 8573-1 make it easier for users to define their requirements and select conditioning components. The standard is based on the manufacturer's specifications, which define permissible limits with respect to compressed air purity for plant and machinery. The DIN ISO 8573-1 standard defines the classes of the air quality in terms of:

Oil content

Specification of the residual aerosols and hydrocarbons which may be present in the compressed air.

Particle size and density

Specification of the size and concentration of solid particles which may be contained in the compressed air.

Pressure dew point

Specification of the temperature to which it is possible to cool the compressed air without the water vapour contained in it condensing.

The pressure dew point varies with the air pressure.

Class	Particles (dirt)		Water (condensate)		Oil
	Particle size max. in μm	Particle density mg/m^3 max. in	Pressure dew point in $^{\circ}\text{C}$	Water content in g/m^3	Residual oil content in mg/m^3
0	< 0.1	< 0.1	< -70 $^{\circ}\text{C}$	< 0.003	< 0.01
1	0.1	0.1	-70 $^{\circ}\text{C}$	0.003	0.01
2	1	1	-40 $^{\circ}\text{C}$	0.11	0.1
3	5	5	-20 $^{\circ}\text{C}$	0.88	1
4	15	15	+3 $^{\circ}\text{C}$	6	5
5	40	40	+7 $^{\circ}\text{C}$	7.8	25
6	> 40	> 40	+10 $^{\circ}\text{C}$	9.4	> 25
7	-	-	> +10 $^{\circ}\text{C}$	> 9.4	-



AIRCRAFT air filters and water traps

Compressed air filters are used for highly efficient removal of solid particles, water, oil, aerosols, hydrocarbons, odours and vapours from compressed air systems.

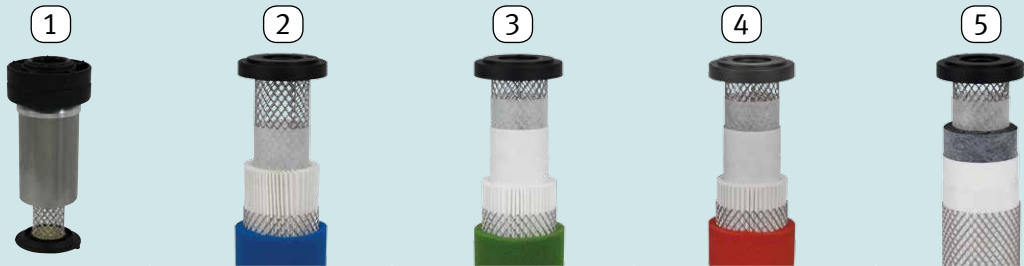
In order to achieve the required quality of compressed air, filters that remove all types of solid and liquid contaminants from the compressed air in various stages, are installed in the compressed air line.

Your benefits thanks to improve compressed air quality:

- Reliable filtration of liquids such as water and aerosols as well as particles, dust and gases
- Better working and production conditions
- Optimum protection of connected equipment and tools
- Improved product quality due to substantial decrease in rejects
- Protects the compressed air system against contamination
- Increased productivity by reducing maintenance



Degrees of filtration



Designation	Water separator	Pre-filters/Microfilters	Micro filter	Nanofilters	Activated carbon filter element
Characteristic values	> 98 % Deposition (drops)	<1 µm Solid matter contamination	<0.1 µm Solid matter contamination < 0.1 mg/m³ Residual aerosol content	<0.01 µm Solid matter contamination < 0.01 mg/m³ Residual aerosol content	0.005 mg/m³ Residual aerosol content
Filtration type	Water separation	Wet and dry filtration	Wet and dry filtration	Wet and dry filtration	Oil vapour adsorption
Application	Removal of larger amounts of liquids, e.g., downstream of coolers	Removal of moderate amounts of fine solid or liquid contaminants such as finer dust, smaller droplets and aerosols	Removal of small amounts of microscopic solid or liquid contaminants such as micro-dusts, oil mist, aerosols In case of an occurrence of dirt in conjunction with an upstream coarse or microfilter	Removal of small amounts of microscopic solid or liquid contaminants such as micro-dusts, oil mist, aerosols In case of an occurrence of dirt in conjunction with an upstream microfilter or nanofilter	Removal of small amounts of gaseous contaminants, especially oil vapour Upstream nanofilter required With integrated microfilter
Particles	Compressed air quality (ISO 8573-1) 8	Compressed air quality (ISO 8573-1) 3	Compressed air quality (ISO 8573-1) 2	Compressed air quality (ISO 8573-1) 1	Compressed air quality (ISO 8573-1) 1
Oil	-	-	2	1	1
	Material Stainless steel PA	Material Acrylic fibre Cellulose	Material Borosil. microfibre	Material Borosil. microfibre	Material Borosil. microfibre Activated carbon

Water trap/compressed air filter

AIRCRAFT cyclone separator ACKL

- For highly efficient separation of large quantities of condensate from compressed air and vacuum systems
- Installed between the compressor and pressure vessel
- Filter housing made of aluminium with anodised interior
- Separation of condensate (water, oil) and dirt particles by centrifugal acceleration of the compressed air
- The condensate is separated via the water trap through the standard condensate drain with float valve
- Electronic condensate drain retrofittable



Cyclone ACKL - max. operating pressure 16 bar, operating temperature from 1.5 to 65 °C

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	
	m³/h	l/min					
	7 bar*						
ACKL 0120B	120	1,980	3/8"	247	88	2053010	
ACKL 0155B	155	2,557	1/2"	247	88	2053012	
ACKL 0235B	235	3,877	3/4"	337	88	2053014	
ACKL 0365B	365	6,022	1"	363	125	2053016	
ACKL 0770B	770	12,705	1 1/2"	601	125	2053018	

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.

AIRCRAFT compressed air filters - optimal air quality for all applications

Compressed air filters are used for highly efficient removal of solid particles, water, oil, aerosols, hydrocarbons, odours and vapours from compressed air systems. In order to achieve the required quality of compressed air, filters that remove all types of solid and liquid contaminants from the compressed air in various stages, are installed in the compressed air line.

Your benefits thanks to improve compressed air quality:

- Reliable filtration of liquids such as water and aerosols as well as particles, dust and gases
- Better working and production conditions
- Optimum protection of connected equipment and tools
- Improved product quality due to substantial decrease in rejects
- Protects the compressed air system against contamination
- Increased productivity by reducing maintenance



Pre-filter/Microfilter AFF Model Series

For separating solid impurities up to 1 µm.

Operating temperature 1.5 to 65 °C, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

- Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.
	m³/h	l/min						
	7 bar*							
AFF 0060	60	990	3/8"	187	88	2053230		2053231
AFF 0078	78	1,300	1/2"	187	88	2053232		2053233
AFF 0120	120	1,980	3/4"	257	88	2053234		2053235
AFF 0198	198	3,280	1"	263	125	2053236		2053237
AFF 0335	335	5,580	1"	363	125	2053238		2053239
AFF 0510	510	8,500	1 1/2"	461	125	2053240		2053241

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.



Condensate drain AOK 16 B

ASF Microfilter Model Range

For separation of solid impurities up to 0.1 µm. Residual oil aerosol content of up to 0.1 mg/m³ at 20 °C and 1 bar, operating temperature 1.5 to 65 °C, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

- Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.
	m³/h	l/min						
	16 bar*							
ASF 0060	60	990	3/8"	187	88	2053330		2053331
ASF 0078	78	1,300	1/2"	187	88	2053332		2053333
ASF 0120	120	1,980	3/4"	257	88	2053334		2053335
ASF 0198	198	3,280	1"	263	125	2053336		2053337
ASF 0335	335	5,580	1"	363	125	2053338		2053339
ASF 0510	510	8,500	1 1/2"	461	125	2053340		2053341

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.



Condensate drain AOK 16 B

ANF Model Range Nanofilters

For separating solid impurities up to **0.01 µm**. Residual oil aerosol content of up to **0.01 mg/m³** at 20 °C and 1 bar, operating temperature 1.5 to 65 °C, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

► Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Spare filter element Art. no.
	m³/h	l/min					
	7 bar*						
ANF 0060	60	990	3/8"	187	88	2053430	2053431
ANF 0078	78	1,300	1/2"	187	88	2053432	2053433
ANF 0120	120	1,980	3/4"	257	88	2053434	2053435
ANF 0198	198	3,280	1"	263	125	2053436	2053437
ANF 0335	335	5,580	1"	363	125	2053438	2053439
ANF 0510	510	8,500	1 1/2"	461	125	2053440	2053441

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.

Nanofilter 0.01 micron



Condensate drain AOK 16 B

AAF model range activated carbon filters

For separating oil vapours, odours and flavours by adsorption, and solid particles in a second stage. Residual oil vapour content of up to **0.005 mg/m³** at 20 °C and 1 bar, operating temperature 1.5 to 45 °C, absolute compressed air quality as per ISO 8573-1.

► For highest quality compressed air, for example, breathing air, in analysis technology or beverage bottling

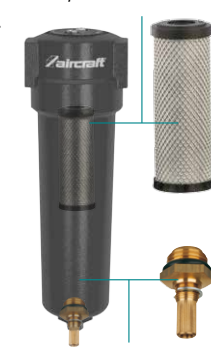
► Purest compressed air in conjunction with upstream microfilter

► With filter element and manual drain

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Spare filter element Art. no.
	m³/h	l/min					
	7 bar*						
AAF 0060	60	990	3/8"	187	88	2053530	2053531
AAF 0078	78	1,300	1/2"	187	88	2053532	2053533
AAF 0120	120	1,980	3/4"	257	88	2053534	2053535
AAF 0198	198	3,280	1"	263	125	2053536	2053537
AAF 0335	335	5,580	1"	363	125	2053538	2053539
AAF 0510	510	8,500	1 1/2"	461	125	2053540	2053541

* In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor

0.003 µm activated carbon filter



MCD Condensate drain

Correction factors for ACKL, AFF, ASF, ANF and AAF water traps and compressed air filters

In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor

Operating pressure bar	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factors	0.38	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

Accessories



You will find a large selection of condensate drains on pages 128 - 129 of this catalogue.

Differential pressure display PD 16

- For analysing the pressure drop caused by the filter element in the compressed air system; replace the filter element when the indicator shows red
- Max. operating pressure 16 bar, operating temperature from 1.5 to 65 °C



Type	Art. no.
PD 16	2053060

MDM 60 series differential pressure gauge

- Shows whether the filter element is still fully functional or needs to be replaced - replacement of the filter element is recommended in case of a pressure drop of 0.6 bar (start of red area on the display)
- For assembly on the top filter cover
- Max. operating pressure 16 bar, operating temperature from 1.5 to 65 °C



MDM 60



MDM 60 E



MDM 60 C

Type	Art. no.
MDM 60	2053062
MDM 60 E with LED alarm, battery-operated (battery included in scope of delivery)	2053064
MDM 60 C with zero-potential alarm contact	2053066

Wall-mounting kits for water separators and filters

- For mounting one or multiple connected filters on a wall

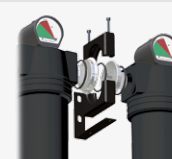


Fig. shows application

Type	Art. no.
Wall-mounting kit for filter AF0060-AF0120	2053080
Wall-mounting kit for filter AF0198-AF0510	2053082

Connecting kits AK for water separators and filters

- For connecting two housings
- Brackets for wall-mounting in scope of delivery
- Connecting kit can also be used for third-party housings



Type	Art. no.
AK 3/8"	2053090
AK 1/2"	2053091
AK 3/4"	2053092
AK 1"	2053093
AK 1 1/2"	2053094

Water trap/compressed air filter

CLEARPOINT® Model Range WWB water separator

- ▶ 99% separation of occurring condensate directly downstream of the compressor
- ▶ For separation of large volumes of condensate (water, oil) and dirt particles by centrifugal acceleration of the compressed air
- ▶ Used on re-coolers and refrigeration dryers
- ▶ Completely anodised for premium corrosion protection
- ▶ Flow-optimised housing made of salt water resistant aluminium
- ▶ Outside additionally powder coated
- ▶ Max. positive operating pressure 16 bar, differential pressure < 0.06 bar
- ▶ With BEKOMAT® condensate drain

WWB water trap - max. operating pressure 16 bar

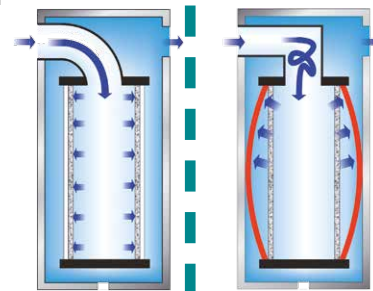
Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	
	m³/h	l/min					
	7 bar*						
S040 WWB	46	580	3/8"	395	75	2048000	
S050 WWB	130	1,670	1/2"	425	75	2048001	
S075 WWB	195	2,500	3/4"	495	100	2048002	
M010 WWB	325	3,340	1"	565	100	2048003	

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor S040 to S050 with Bekomat® 20; S075 and M010 with Bekomat® Vario 20



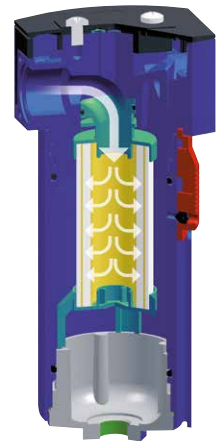
CLEARPOINT® compressed air filter - an innovative solution with impressive details

- ▶ **Flow optimised air guidance** for up to 75% less resistance
- ▶ Filter elements can be installed with diameter-restricting, interfering tension rods, **thus reducing the flow resistance and facilitating element replacement**, even in cramped conditions
- ▶ **Total cavity volume** of borosilicate filter material **96 %** ensures lowest possible pressure loss
- ▶ CLEARPOINT® **filter housing of water-resistant aluminium** and additionally **anodised on the inside** for increased operational reliability and reduced flow resistance thanks to permanently smooth inside surfaces
- ▶ 100% assurance on opening the filter housing thanks to a **secure locking mechanism**; an audible warning signal is issued when opening under pressure
- ▶ With thermally highly-resistant (up to 120 °C), mechanically highly-resistant, chemically resistant and silicone-free **needle felt drainage layer** (in contrast foam material used by third-party filter brands)
- ▶ **Stable design of the filter element** - swelling or rupturing of the drainage layer ruled out, thus **ensuring permanent use of the entire filter surface**



CLEARPOINT®

Other Manufacturers



FWF microfilter model range

For separation of solid contaminants of up to **1 µm**, residual aerosol content of up to **0.1 mg/m³** at 20 °C and 1 bar, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

- ▶ Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.
	m³/h	l/min						
	16 bar*							
S040 FWF	35	580	3/8"	180	75	2042067		2042069
S050 FWF	65	1,080	1/2"	210	75	2042100		2042102
S055 FWF	100	1,670	3/4"	265	75	2042150		2042152
S075 FWF	150	2,500	1"	280	100	2042300		2042302
M010 FWF	200	3,340	1"	350	100	2042450		2042452

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.



SWF Nanofilter model range

for separation of solid impurities up to **0.1 µm**. Residual oil aerosol content of up to **0.01 mg/m³** at 20 °C and 1 bar, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

- ▶ Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.
	m³/h	l/min						
	16 bar*							
S040 SWF	35	580	3/8"	180	75	2044067		2044069
S050 SWF	65	1080	1/2"	210	75	2044100		2044102
S055 SWF	100	1670	3/4"	265	75	2044150		2044152
S075 SWF	150	2500	1"	280	100	2044300		2044302
M010 SWF	200	3340	1"	350	100	2044050		2044452

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.



NWF Nanofilter model range

For separating solid impurities up to **0.01 µm residual oil aerosol content**
up to **0.001 mg/m³** at 20 °C and 1 bar, absolute compressed air quality as per ISO 8573-1.

For safe separation of condensate and particles

► Complete with filter element and float valve

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.	
	m³/h	l/min							
	16 bar*								
S040 NWF	35	580	3/8"	180	75	2045067		2045069	
S050 NWF	65	1,080	1/2"	210	75	2045100		2045102	
S055 NWF	100	1,670	3/4"	265	75	2045150		2045152	
S075 NWF	150	2,500	1"	280	100	2045300		2045302	
M010 NWF	200	3,340	1"	350	100	2045050		2045052	

* In case of deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor.



AWM model range activated carbon filters

for separating oil vapours, odours and flavours by adsorption, and solid particles in a second stage. Residual oil vapour content of up to **0.003 mg/m³** at 20 °C and 1 bar, absolute compressed air quality as per ISO 8573-1.

► For highest quality compressed air, for example, breathing air, in analysis technology or beverage bottling

► Purest compressed air in conjunction with upstream microfilter

► With filter element and manual drain

Model	Volume flow		Air connection	Height in mm	Width in mm	Filter cpl. Art. no.		Spare filter element Art. no.	
	m³/h	l/min							
	16 bar*								
S040 AWM	35	580	3/8"	180	75	2046067		2046069	
S050 AWM	65	1080	1/2"	210	75	2046100		2046102	
S055 AWM	100	1670	3/4"	265	75	2046150		2046152	
S075 AWM	150	2500	1"	280	100	2046300		2046302	
M010 AWM	200	3340	1"	350	100	2046450		2046452	

* In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor



Correction factors WWB water trap and Filter FWF, SWF, NWF and AWM compressed air filters

In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor

Operating pressure bar	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factors	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.070	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51



You will find a large selection of condensate drains on pages 128 - 129 of this catalogue.

Condensate drain valve MCD (manual)

Condensate drain valve (manual) for installation in the filter housing

- For manual drainage of condensate or other non-aggressive liquids from the compressed air system
- Condensate feed T 1/2"
- Max. operating pressure 20 bar, operating temperature from 1.5 to 65 °C



Type	Art. no.
MCD	2053070

Automatic condensate drain AOK 16 B

- For automatic, level-controlled drainage of condensate or other non-aggressive liquids from the compressed air system
- Compressed air temperature range: 1.5 - 65 °C
- For installation in the filter housing; max. working pressure: 16 bar
- Condensate feed T 1/2", condensate outlet Ø 8 mm



Type	Art. no.
AOK 16 B	2053072

Accessories

Oil test indicator

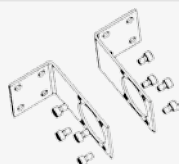
- For approximate determination of the compressed air residual oil content at the AWM activated charcoal filters



Type	Art. no.
Oil test indicator for AWM model range	2047005
Replacement test tubes with needle valve	2047006

Wall-mounting kits for water separators and filters

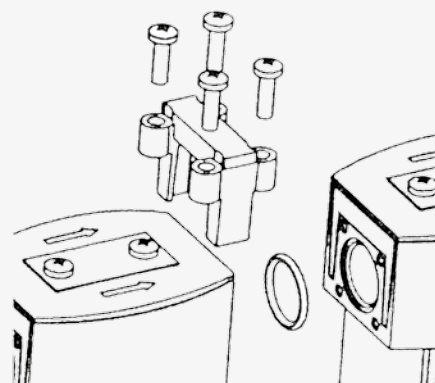
- For mounting one or multiple connected filters on a wall



Type	Art. no.
Wall-mounting kit for S040, S050, S055	2047001
Wall-mounting kit for S075, M010	2047002

Connecting kits for water separators and filters

- For connecting two housings



Type	Art. no.
Connecting kit for S040, S050, S055	2047003
Connecting kit for S0475, M010	2047004

Compressed air refrigeration dryer

AIRCRAFT compressed air refrigeration dryers - leverage potential savings and reduce maintenance costs

Compared to investment outlay, the energy costs are by far the biggest part of total cost of ownership. And this is naturally where the greatest savings potential exists.

In addition to reducing the energy costs, AIRCRAFT refrigeration dryers also permanently reduce maintenance costs.

Moisture is the greatest potential threat to all components that come into contact with it. It starts at a relative compressed air moisture content of around 70%, for bacteria already start to form at this low moisture value. As of 40% relative humidity, the corrosion process then grows disproportionately.

In the majority of all applications, the requirements for cooling and drying are simply "normal values": cooling to nearly 0 °C and thus close to 100% condensing of the water vapour contained in the compressed air. AIRCRAFT refrigeration dryers ensure effective separation of compressed air and water vapour, as well as safe separation of the condensate. An automatic condensate drain reliably handles condensate separation.

Design data for compressed air dryers

Reference conditions as per DIN ISO 7183

Volume flow relative to 20 °C at 1 bar, operating pressure 7 bar, compressed air ingress temperature 35 °C, cooling air temperature 25 °C, pressure dew point 5 °C.

All models equipped with an automatic condensate drain as a factory standard.

Conversion factors

Please adapt the performance data by multiplying by the appropriate correction factor.

Operating pressure bar	4	5	7	8	10	12	14
Correction factor AD and ASD	0.78	0.85	1	1.06	1.15	1.2	1.24

Compressed air inlet temperature °C	30	35	40	45	50	55
Correction factor AD and ASD	1.2	1	0.85	0.71	0.58	0.49

Ambient temperature °C	25	30	35	40	42	45
Correction factor AD and ASD	1	0.96	0.92	0.88	0.85	0.8

Pressure dew point °C	3	4	5	6	7	8	9	10
Correction factor AD	0.92	0.96	1	1.04	1.09	1.13	1.18	1.2
Correction factor ASD	1	1.04	1.09	1.14	1.18	1.25	1.3	1.33



Optimum protection for your refrigeration dryer from pollution can be achieved by use of a pre-filter

Refrigerated Air Dryer AD Series - the efficient solution for dry compressed air

- ▶ User-friendly operating concept
- ▶ Efficient design for low cost and safe operation
- ▶ Cooling fan speed controlled from 0 - 100%, thus eliminating the typical pressure switch and the thermostat for fan control.
- ▶ Fewer wear parts at the same constant pressure dew point
- ▶ Control shows five different alarm conditions and keeps them in memory
- ▶ Refrigeration compressor switches off at below 15 °C ambient temperature, if there is no compressed air flow
- ▶ Visibility of and easy access to all serviceable components
- ▶ With built-in automatic condensate drain



The advantages at a glance

- ▶ Excellent economy
- ▶ Excellent price-performance ratio
- ▶ No unnecessary loss of compressed air through built-in automatic condensate drain
- ▶ Connected tools and machines are optimally protected
- ▶ User-friendly operating concept



Model	Air flow		Maximum pressure in bar	Air connection	Power consumption in kW	Weight in kg	Dimensions L x W x H	Art. no.
	l/min.	m³/h						
AD 36	600	36	16	3/8"	0.12	17	305 x 360 x 404	2041710
AD 54	900	54	16	1/2"	0.18	24	325 x 430 x 445	2041715
AD 72	1,200	72	16	1/2"	0.2	24	325 x 430 x 445	2041720
AD 108	1,800	108	16	1/2"	0.2	24	325 x 430 x 445	2041725
AD 144	2,400	144	16	3/4"	0.41	31	395 x 486 x 565	2041730
AD 180	3,000	180	16	3/4"	0.47	36	395 x 486 x 565	2041735
AD 216	3,600	216	16	3/4"	0.61	40	395 x 486 x 565	2041740
AD 280	4,666	280	16	1"	0.6	59	485 x 595 x 614	2041745
AD 340	5,666	340	16	1"	0.6	60	485 x 595 x 614	2041750

Art.no.	Designation
2041700	Bypass 1/2"
2041701	Bypass 3/4"



ASD Refrigerated Air Dryer Series - Energy-saving, patented and pioneering

Higher efficiency – lower costs

The innovative and highly efficient ASD Series uses a patented 3-circuit heat exchanger system. In combination with the glycol circuit, this achieves significant energy savings. The glycol acts as a cold-storage medium. ASD dryers are best suited for partial load operation and irregular compressed air requirements.

You can significantly save on operating costs by using ASD dryers.

Functional principle and advantages of the glycol-water circuit; the glycol mixture is cooled if not all of the cooling energy is required for cooling the compressed air. When the refrigerant compressor switches off in partial load operation, the compressed air is cooled by the cold stored in the glycol mass. The chiller is only switched back again when the mass is no longer cold enough. ASD dryers particularly realise saving potentials in partial load operation and where compressed air requirements are intermittent. When the air compressor starts up again after a break, and delivers compressed air into the network, ASD dryers immediately cool this compressed air to dew point because the glycol mass immediately provides the required temperature. In many other systems where the refrigeration compressor needs a ramp-up period to operating temperature before it can start cooling, moist air initially flows into the network, with all its negative effects.

The advantages at a glance

- ▶ Improved energy efficiency thanks to the patented 3-circuit heat exchanger system
- ▶ Energy savings and longer service life by switching off the refrigeration compressor in partial load operation
- ▶ Optimum dew point control with additional temperature sensor for glycol control
- ▶ Condensate drainage without pressure loss through integrated electronic, level-controlled condensate separator
- ▶ Optimal performance under all load and ambient conditions with variable fan speed control

- ▶ Use of premium components ensures longevity and considerably reduces service costs
- ▶ Reducing operating costs while actively protecting the environment



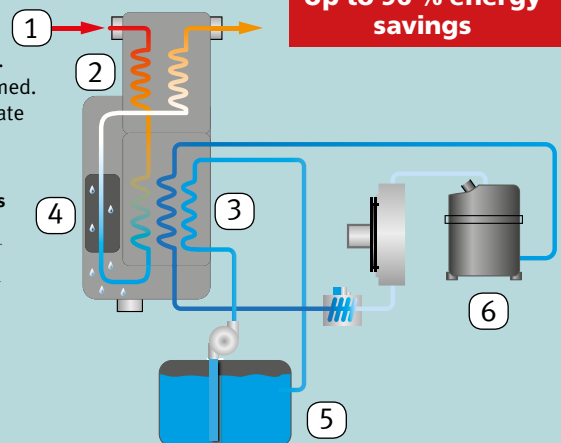
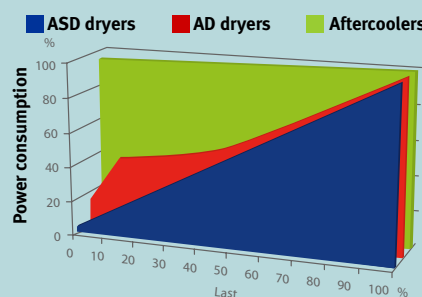
ASD 72



ASD 300

The functional principle of the patented 3-circuit heat exchanger system

1. Warm moisture-saturated air flows into the heat exchanger.
2. The intake air is pre-cooled by the counter flowing, cold outlet air from the heat exchanger.
3. The inlet air is brought to dew point temperature by the refrigerant circuit; condensate is formed.
4. Condensate is trapped and removed in the integrated electronic, level-controlled condensate separator.
5. Glycol circuit stores excess energy and cools the incoming air in partial load operation.
6. The refrigeration compressor shuts off at partial load, thus potentially doubling its service life. (See note on this page below functional principle and advantages of the glycol circuit)



Model	Air flow		Max. pressure in bar	Air connection	Power consumption in kW	Weight in kg	Dimensions L x W x H	Art. no.
	l/min	m³/h						
ASD 54	900	54	16	1/2"	0.24	33	386 x 500 x 651	2041810
ASD 72	1,200	72	16	1/2"	0.29	35	386 x 500 x 651	2041815
ASD 108	1,800	108	16	3/4"	0.45	45	386 x 500 x 651	2041820
ASD 144	2,400	144	16	3/4"	0.51	50	386 x 500 x 651	2041825
ASD 180	3,000	180	16	1"	0.65	60	420 x 567 x 771	2041830
ASD 240	4,000	240	16	1"	0.64	70	420 x 567 x 771	2041835
ASD 300	5,000	300	16	1 1/2"	0.94	95	500 x 730 x 980	2041840
ASD 360	6,000	360	16	1 1/2"	0.94	100	500 x 730 x 980	2041845
ASD 480	8,000	480	16	1 1/2"	1.28	130	500 x 730 x 980	2041850

Art.no.	Designation
2041700	Bypass 1/2"
2041701	Bypass 3/4"



Condensate drain

AIRCRAFT AMD electronic condensate drain - with patented valve technology

- For fully automatic drainage of condensate or other non-aggressive liquids from the compressed air system
- A capacitive sensor detects the condensate level. This is very accurate and requires no mechanical float and contacts.
- For installation as an external trap on piston or screw-type compressors, coolers, cyclone separators, compressed air vessels, air dryers and compressed air filters
- Equipped as factory standard with an operating alarm, LED indicator, test button and integral strainer
- A version with a service network for setting the diagnostic parameters and alarm output is available on request for quote

The advantages at a glance

- ▶ Integrated strainer (for easy access/cleaning)
- ▶ Compact design
- ▶ Patented valve technology - direct-action, self-cleaning valve
- ▶ Optimised for ease of service (service kit)
- ▶ Horizontal or vertical installation possible
- ▶ Robust PA housing
- ▶ Includes 3 meter connecting cable with safety plug

Functional description

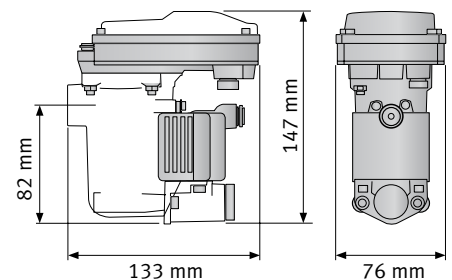
- ▶ The condensate is collected in the catchment tank.
- ▶ When the level is high enough, the condensate is discharged without loss of air from the system
- ▶ The fluid level is precisely detected by a capacitive liquid level sensor
- ▶ The special, self-cleaning, direct-action valve ensures reliable operation.

Model	AMD
Art. no.	2059080

Separation performance 7 bar	12 l/h
Compressor output	7.4 m³/min
Dryer performance	14.9 m³/min
Filter performance	74.4 m³/min
Operating pressure	0 – 16 bar
Operating temperature	+1.5 to +65 °C
Connection	230 V
Condensate feed	T 1/2"
Condensate drain	Plug connection for hose Ø 8
Dimensions	133 x 76 x 147 mm
Weight	550 g



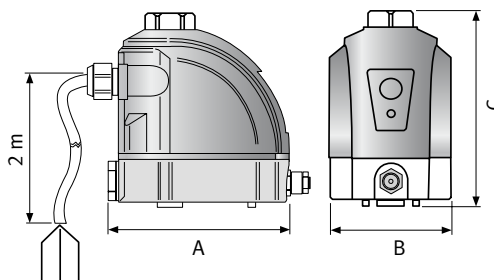
• Horizontal or vertical mounting possible



Art.no.	Designation
2059090	AMD Maintenance kit

AIRCRAFT ACD Series electronic condensate drain - with patented valve technology

- ▶ The applications and function of the ACD series condensate drains are identical to the AMD series

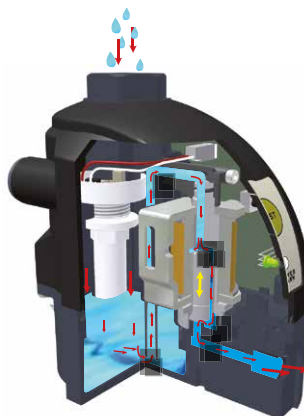


The advantages at a glance

- ▶ Integrated microfilter
- ▶ Compact design
- ▶ Two connection options
- ▶ Robust anodised aluminium housing
- ▶ Contactless measurement
- ▶ Patented valve technology - direct-action, self-cleaning valve
- ▶ Operational monitoring
- ▶ LED warning light for "trap in operation" and "alarm"
- ▶ Includes 3 meter connecting cable with safety plug

Model	ACD 90
Art. no.	2059086

Separation performance 7 bar	90 l/h
Compressor output	48.5 m³/min
Dryer performance	97.0 m³/min
Filter performance	485.0 m³/min
Operating pressure	0 – 16 bar
Temperature	+1.5 to +65 °C
Connection	230 V
Condensate feed	R 1/2"
Condensate drain	R 1/8"
Dimensions (A x B x C)	120 x 82 x 135 mm
Weight	1,050 g



Art.no.	Designation
2059094	ACD 90 Maintenance kit

Electronic condensate drain BEKOMAT® 31/32

In compressed air generation and treatment condensate inevitably forms; it contains oil and is frequently contaminated with dirt particles. As condensate accumulates irregularly depending on the season and time of day, or usage of the compressor, the BEKOMAT® often pays dividends within six months, thanks to its capacitive sensor, compared with timer-controlled drain valves.

The advantages at a glance

- ▶ No unnecessary loss of compressed air
- ▶ Discharge volume reflects occurrence volume
- ▶ Sensor detects any of condensate
- ▶ Less affected by dirt build-up
- ▶ Easy electrical installation (230 V)
- ▶ Low maintenance

Features and benefits:

- ▶ Usable and persistent with oil-based and oil-free, aggressive condensates
- ▶ Easily connected to a filter or pressure vessel by adapting the inlet connector for vertical or horizontal condensate feed
- ▶ Improved drainage performance for oil/water separators with BEKOMAT®
- ▶ BEKOMAT® 32 with alarm and navigable fault messages

Functional description

- ▶ Condensate collects in the drain's catchment tank.
- ▶ A capacitive sensor detects the condensate level. At max. level a diaphragm opens; the condensate is discharged by system pressure.
- ▶ The diaphragm is closed before compressed air can escape



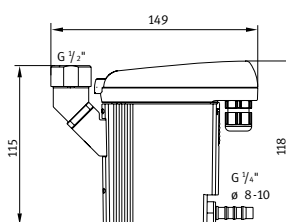
Including service unit

Economical: Complete replacement of all wear parts and pressure exposed parts in a single action.

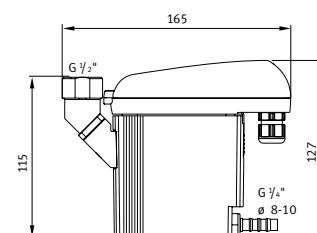
- ▶ No electrical installation required for maintenance
- ▶ No installation of seals and parts
- ▶ Only one spare part, pressure and function tested at the factory

Model	BEKOMAT® 31	BEKOMAT® 32
Art. no.	2049049	2049053
Compressor output *	2.5 m³/min	5 m³/min
Dryer performance	5 m³/min	10 m³/min
Filter performance	25 m³/min	50 m³/min
Operating pressure	0.8 – 16 bar	0.8 – 16 bar
Temperature	+1 to +60 °C	+1 to +60 °C
Connection	230 V	230 V
Weight	800 g	1,000 g

* only with pre-separator



BEKOMAT® 31



BEKOMAT® 32

Art.no.	Designation
2049060	Service Unit Bekomat 31
2049061	Service Unit Bekomat 32

ZKA 16 timer-controlled condensate drain

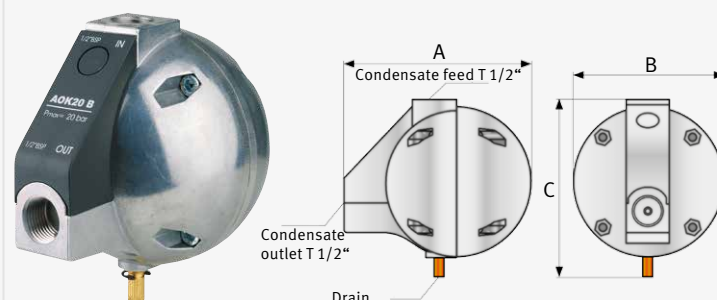
- ▶ For automatic, timer-controlled drainage of condensate or other non-aggressive liquids from the compressed air system
- ▶ Separation performance at 7 bar: 95 l/h, flow rate: 2.4 l/min
- ▶ Condensate feed T 1/2", condensate outlet T 1/4"
- ▶ Time ON / Time OFF: 0.5 - 10 s / 0.5 - 45 min
- ▶ Connection / IP degree of protection: 230 V / IP65
- ▶ Operating pressure: 16 bar, operating temperature range: 1.5 - 65 °C
- ▶ Dimensions: 77 x 79 x 93 mm



Type	Art. no.
ZKA 16	2059070

Automatic condensate drain AOK 20 B

- ▶ For automatic, level-controlled drainage of condensate or other non-aggressive liquids from the compressed air system
- ▶ Compressed air temperature range: 1.5 - 65 °C
- ▶ For draining a higher volume of condensate from compressed air filters, pressure vessels and cyclone separators without air loss
- ▶ External drain with robust aluminium housing
- ▶ Separation performance at 7 bar: 167 l/h
- ▶ Condensate feed T 1/2", condensate outlet T 1/2"
- ▶ Additionally equipped with manual drain valve
- ▶ Max. working pressure: 20 bar
- ▶ Dimensions (A x B x C): 135 x 110 x 130 mm



Type	Art. no.
AOK 20 B	2053074

Oil-water separation devices

AIRCRAFT oil-water separation devices - Economical and environmentally friendly

Oil-water separation devices are used for treatment of oily condensate. They represent an environmentally-friendly and cost-saving solution for separating condensate and allow the disposal of the water separated from oil into drains as per Para. 7 of the Federal Water Act.

The incident condensate is a waste and contaminated with oil content of up to 10,000 mg/l. AIRCRAFT oil-water separation systems have technical approval by the Institut für Bautechnik (Institute for Building Technology), Berlin. They allow for condensate treatment on site. This is typically cheaper than costly waste-disposal by specialist companies.

Simple gravity separators (oil traps) are not suitable for the treatment of condensate from compressed air systems.

According to the Federal Water Act, Paragraph 7a, compressed air condensate must not be discharged into drains without proper treatment in line with the state of the art.

AIRCRAFT Oil-water separators series WOS 1 and 2 - patented technology

New

- ▶ Regular service is possible in just 30 seconds and without complex cleaning thanks to patented technology
- ▶ Wall- and floor mounting possible
- ▶ Works reliably with any condensate drain
- ▶ Can be used with any popular compressor oil
- ▶ Operating media: Condensate (air, water, oil), non-aggressive, not suitable for emulsion
- ▶ Fast and clean replacement of the filter element
- ▶ No settling tank required (no formation of bacteria)
- ▶ Easy installation due to compact design and small footprint
- ▶ Connection via quick-action couplings
- ▶ Function description:
- ▶ Multiple stage oil-water separation through an oleophilic filter and activated carbon

- ▶ At the end of the filter element's service life, it is unbolted and disposed of
- ▶ The filter element is tightly sealed with a plastic cover so that remaining condensate can stay in it
- ▶ The sealed filter element can be disposed of in line with applicable regulations

Service interval

(after one of the three following cases occurs):

- ▶ 4,000 hours of operation of the air compressor, or in case of compressor oil transmission of 2.5 mg/m³
- ▶ Discolouration of the polypropylene medium - analysis by simple visual inspection
- ▶ After twelve months at the latest (independently of the compressor's operating hours)

Model	WOS 1	WOS 2
Art.no.	2058210	2058220
Maximum compressor output*	1.08 m ³ /min	2.23 m ³ /min
Max. oil adsorption	650 g	1340 g
Max. condensate flow	0.90 l/h	1.87 l/h
Residual oil content	< 20 ppm	< 20 ppm
Operating temperature	1.5 - 45°C (max 65°C)**	1.5 - 45°C (max 65°C)**
Condensate feed, connector	Ø 8 mm for hose	Ø 8 mm for hose
Water drain, connector	Ø 8 mm for hose	Ø 8 mm for hose
Dimensions max. (H x D x W)	483 x 146 x 106 mm	816 x 146 x 106 mm

* These performance data apply for temperate climates (e.g., Central and Southern Europe, Central America). If required, please request compressor output data for other climates.

** Max. operating temperature at 65 °C, however, performance may be impaired at temperatures above 45 °C



Replacement cartridge

Art.no.	Designation
2058212	Replacement cartridge for WOS 1
2058222	Replacement cartridge for WOS 2

AOWT 2 - Oil/water separator system

- ▶ For efficient separation of mineral oil, synthetic oil, condensate stable emulsion from the condensate by various adsorption stages.
- ▶ Due to its compact size and ease of use, it can be used as a standalone product or as integrated component of the complete compressed air pipeline network

Function description:

- ▶ Easy installation via mounting bracket
- ▶ Filtering of condensate through the various filter elements immediately after entering the oil-water separator



Condensate feed



water drain

- ▶ Oil absorption is performed by a combination of adsorption technologies; less than 10 ppm residual oil content remains at the outlet side
- ▶ Easy replacement of AOWT 2 by separating the input and output hose from the saturated device, removing the device from the mounting bracket, and installing a new oil-water separator
- ▶ Quick, clean and easy maintenance, no need for replacement of filter elements

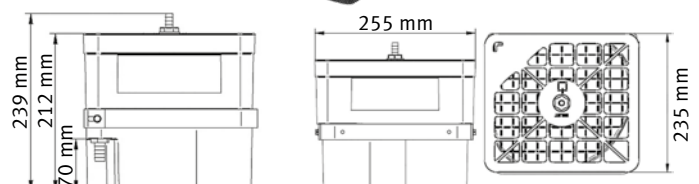
The advantages at a glance

- ▶ Use of premium filtration material
- ▶ Simple, fast and clean installation and replacement procedure
- ▶ Complete adsorption of mineral oil, synthetic oil and stable condensate emulsions
- ▶ Bracket for wall or cross-beam mounting included
- ▶ Brass hose connections allow for quick and easy installation and maintenance
- ▶ Works reliably with any condensate drain
- ▶ Compact dimensions ensure easy handling and installation



Model	AOWT 2
Art.no.	2058200
Maximum compressor output*	2 m ³ /min
Max. oil capacity	2 l
Residual oil content	< 10 ppm
Condensate feed	½" mm
Water drain	½" mm
Dimensions (H x D x W)	255 x 230 x 239 mm

Scope of supply:
 • Oil/water separator
 • Bracket



ÖWAMAT® - Oil-water separation system

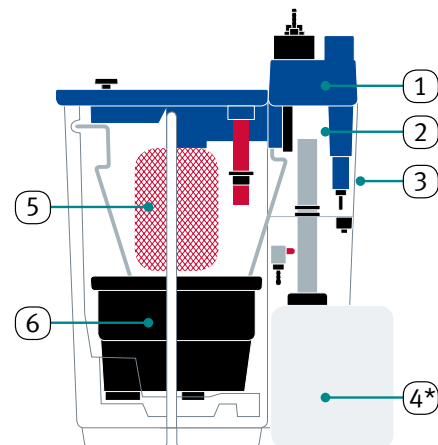
Functional description

- ▶ The oily condensate first flows under pressure into the pressure relief chamber (1) for treatment.
- ▶ The excess pressure is relieved here without creating turbulence in the downstream separation tanks for oil separation (2).
- ▶ Entrained coarse dirt particles are retained in a removable strainer (3).
- ▶ In the separation tank, the oil settles on the surface through gravity separation and is directed into the overflow-proof oil catchment tank (version available on request) (4).
- ▶ The filter makes all the difference: the pre-treated condensate flows through the oleophilic filter (5), which has a large active filter surface. As the flow passes through it from the inside to the outside, it binds the remaining oil droplets and in the filter chamber additionally the residual, on floating oil.

- ▶ The OEKOSORB® main filter with cartridge technology (6) reliably retains the last oil fractions. The remaining water can be run off directly into the drains.

The advantages at a glance

- ▶ Right-sized for your equipment
- ▶ Wall-mounting of ÖWAMAT® 10 and ÖWAMAT® 11 possible
- ▶ Long service life of filter units
- ▶ Simple retrofitting of heating possible
- ▶ Easiest handling thanks to cartridge technology
- ▶ Type-approval with and without oil separation
- ▶ No energy costs



* Figure shows version with oil catchment tank - available on request



Öwamat 10



Öwamat 11



Öwamat 12 - models
14 and 16 similar



OEKOSORB® cartridge for quick and clean replacement



Variable connection in three directions

Accessories	Art.no.
Replacement filter set ÖWAMAT® 10	2049152
Replacement filter set ÖWAMAT® 11	2049153
Replacement filter set ÖWAMAT® 12	2049151
Replacement filter set ÖWAMAT® 14	2049154
Replacement filter set ÖWAMAT® 16	2049157
Bracket ÖWAMAT® 10	2047015
Bracket ÖWAMAT® 11	2047016

Model	ÖWAMAT® 10	ÖWAMAT® 11	ÖWAMAT® 12	ÖWAMAT® 14	ÖWAMAT® 16
Art.no.	2048010	2048011	2048012	2048014	2048016

Maximum compressor output*					
Screw-type compressors					
Turbine oil	2.4 m³/min	4.9 m³/min	7.3 m³/min	14.6 m³/min	58.5 m³/min
VDL oil	2.4 m³/min	4.9 m³/min	7.3 m³/min	14.6 m³/min	58.5 m³/min
VCL oil	1.9 m³/min	3.8 m³/min	5.6 m³/min	11.3 m³/min	45.0 m³/min
Synthetic oil: PAO	1.9 m³/min	3.5 m³/min	5.6 m³/min	11.3 m³/min	45.0 m³/min
Synthetic oil: Ester	1.6 m³/min	3.2 m³/min	4.8 m³/min	9.6 m³/min	38.3 m³/min
Piston compressors					
VDL oil	1.7	2.9	5.1	10.1	40.5
Synthetic oil: PAO	1.4	2.4	4.2	8.4	33.8
Synthetic oil: Ester	1.6	2.8	4.9	9.7	38.8
Condensate feed	2 x T 1/2"	2 x T 1/2"	3 x T 1/2" 1 x T 1"	3 x T 1/2" 1 x T 1"	3 x T 1/2" 1 x T 1"
water drain	T 1/2"	T 1/2"	T 1/2"	T 1"	T 1"
Dimensions max. (H x D x W)	230 x 270 x 525 mm	390 x 445 x 755 mm	350 x 397 x 719 mm	410 x 461 x 892 mm	650 x 702 x 1,193 mm

* These performance data apply for temperate climates (e.g., Central and Southern Europe, Central America). If required, please request compressor output data for other climates.

Compressed air distribution

Compressed air line systems

Pipe network components

Compressed air pipelines

Aluminium profile compressed air lines

Hoses

Compressed air fittings

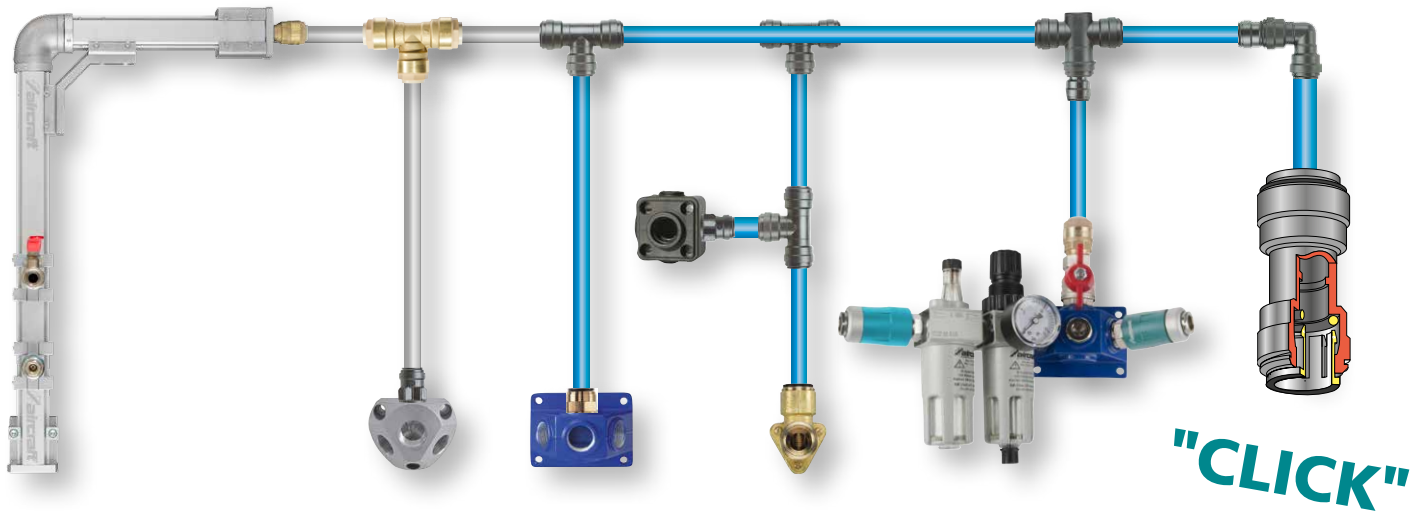
Pressure regulator

Maintenance units

Test systems



AIRCRAFT plug-in compressed air network systems - a systematic approach to cost-savings



Your benefits

- ▶ Corrosion-free
- ▶ Easy installation
- ▶ Easy and fast installation
- ▶ Can be disconnected and connected multiple times
- ▶ Plastic and aluminium pipe

Compressed air solutions tailored to your needs



Do you have questions about planning the compressed air system in your workshop or production?

Ask your local specialist dealer. They will be happy to give you comprehensive advice, without any obligation, about your AIRCRAFT compressed air solution.

We are also happy to advise you. This gives you the most economical and cost effective solution.

How AIRCRAFT compressed air advisory service works...

Mail the floor plan of your building project to us, whether this is a new building, or you are expanding or refurbishing. State the number of workplaces and which tools you want to provide with compressed air.

We will send you a plan tailored to suit your operation.

AIRCRAFT Germany:

E-Mail: info@aircraft-kompressoren.de

Phone: + 49 (0) 9 51 96 - 555 - 0

AIRCRAFT Austria:

Email: info@aircraft.at

Tel.: + 43 - (0) 77 52 - 70 929 - 0

**Ask us
for advice!**



See the following pages to discover more ...

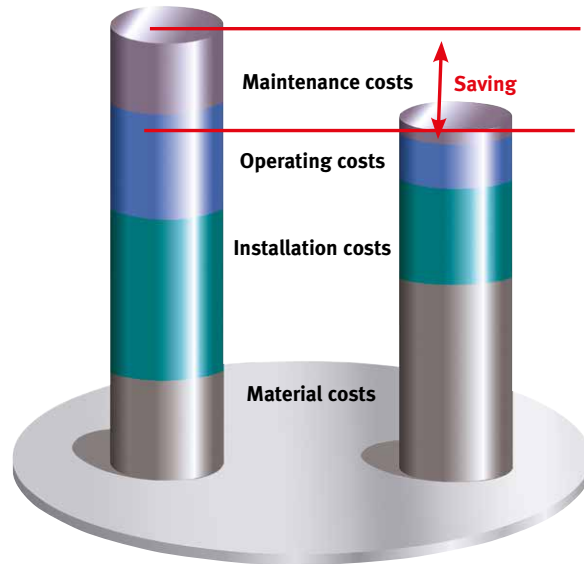
Compressed air pipe systems - Ø 15-28 mm

AIRCRAFT compressed air line plug-in system - The higher material price immediately pays for itself and gives you permanent savings!

- ▶ Fast installation without tools - simply plug in to connect
- ▶ Reduces the installation time by up to 50%
- ▶ No additional sealing material needed
- ▶ Suitable for use with various metal or plastic pipes
- ▶ Can be disconnected and connected multiple times
- ▶ Smooth interior surfaces, excellent flow properties
- ▶ Flexible modular system
- ▶ Virtually maintenance free
- ▶ Quality manufactured ISO 9001 (or EN 29001)

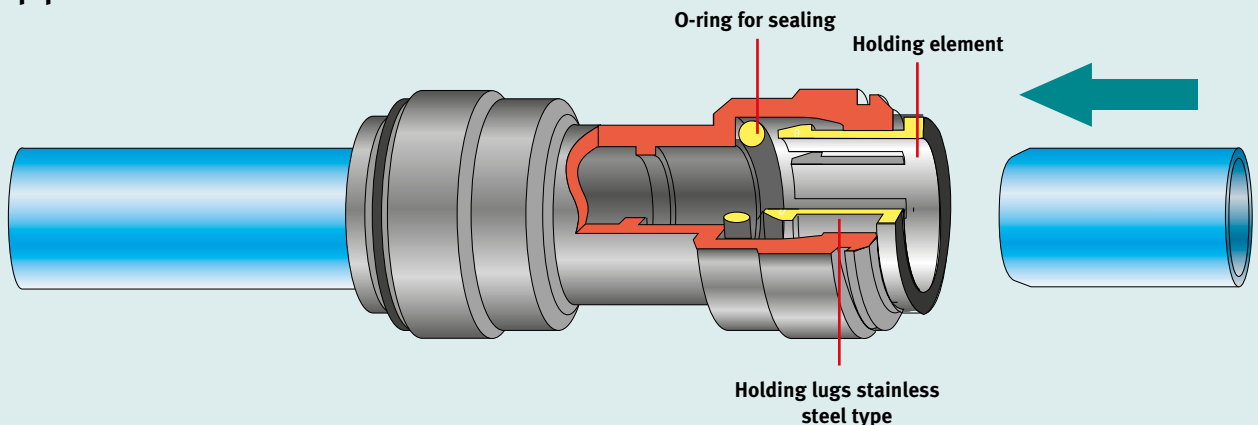
Due to the low installation costs and massive time savings during installation, the higher material costs immediately pay dividends

In the long-term lower operating and maintenance costs translate to savings.



System installation/expansion in three easy steps:

- 1) Trim the pipe
- 2) Deburr
- 3) Plug in



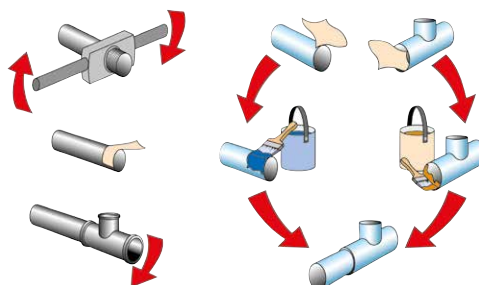
Advantages of the AIRCRAFT plastic compressed air line system compared with a metal system

Benefits of AIRCRAFT plastic compressed air connectors

- ▶ Very lightweight due to plastic material
- ▶ Specifically designed for compressed air engineering, not hydro-engineering
- ▶ Easy to disconnect and rotate
- ▶ Uniform material in the compressed air line
- ▶ No metal in the cable duct thanks to the use of plastic pipes
- ▶ Tried and trusted for decades

Metal pipe screw-type
system, time-consuming
work processes

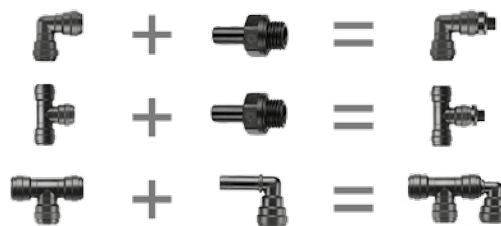
Adhesive systems, prepa-
ration overhead, and long
bonding or drying time



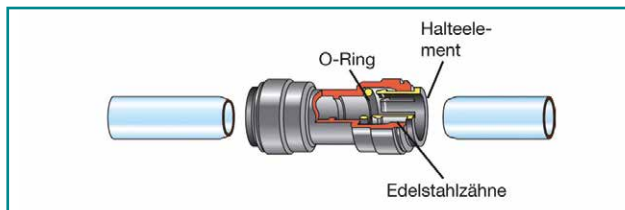
Although we generally recommend the use of plastic or aluminium pipes, it is also possible to use pipes made of other materials (copper, brass, etc.) with our connectors. Thus, existing pipe networks systems can be modified or extended using AIRCRAFT connectors.

Creating connections without tools

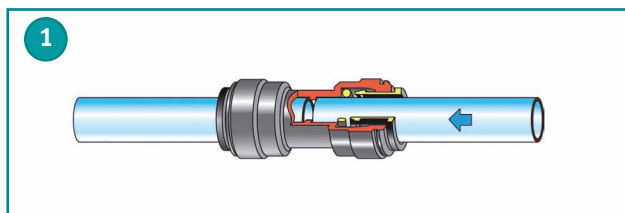
The pluggable connectors ensure a durable, safe and tight connection between the pipe and the connecting element. They are ideal for use in complex pipe networks, as well as in training and testing institutes where systems are frequently disconnected and reconnected. Various interface options mean that existing pipe systems can be modified or refurbished easily.



Connecting Ø 15 - Ø 22 mm

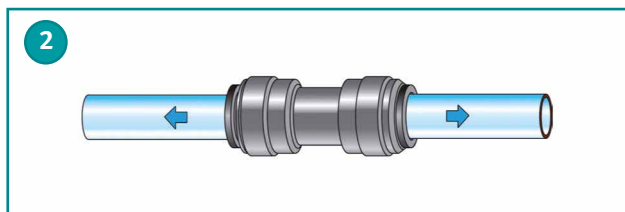


The product range is made of acetal copolymer (POM) and consists of the connector body, holding elements with stainless steel teeth and NBR o-rings for sealing. The connectors can be installed and removed without using tools. **The connection holds before it seals!**



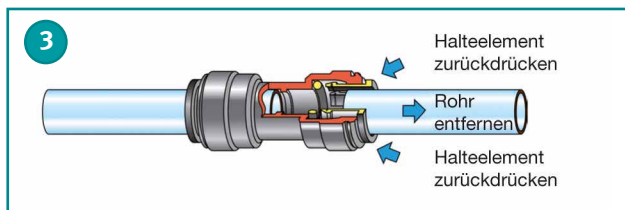
Connecting the Ø 15 - 22 mm system

Cut off the pipe square and burr-free. Make sure that the pipe has no sharp edges, longitudinal grooves or other damage. Insert the pipe up to the stop. The holding element fixes the tube in the connector. The o-ring ensures a permanently tight connection.



Check the connection by pulling in the opposite direction

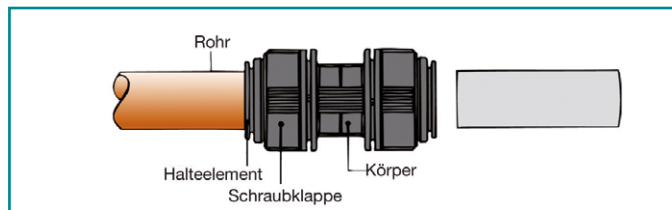
Make sure that the pipe is safely inserted. You can easily do this by pulling.



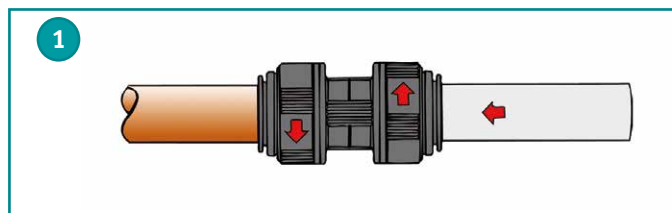
Disconnecting the Ø 15 - 22 mm system

Make sure the system is depressurised. You can then release or remove the pipe by pushing back the holding element.

Connecting Ø 28 mm

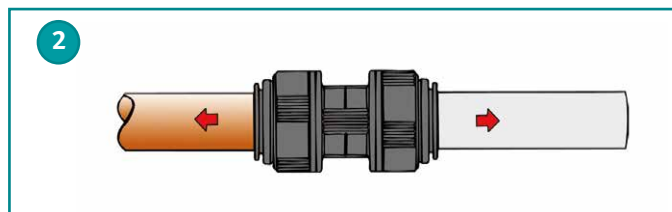


The 28 mm system consists of the connector body, holding elements with stainless steel teeth and NBR o-rings. Additional screw caps secure the retaining system and press the o-rings onto the pipe. The connectors can be installed and removed without using tools. **The connection holds before it seals!**



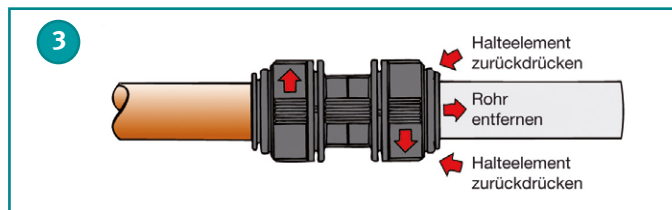
Connecting the Ø 28 mm system

Like with the other sizes a reliable connection can be made here simply by inserting the pipe. See the procedure on the left "Connecting". The retaining system is additionally secured with a 1/4 turn (two clicks) and the o-rings are pressed onto the surface of the pipe.



Check the connection by pulling in the opposite direction

Make sure that the pipe is safely inserted. You can easily do this by pulling.



Disconnecting the Ø 28 mm system

To disconnect the pluggable pipe connection, turn the screw a 1/4 turn anti-clockwise. The connection is now unlocked and can be released by pushing the holding element. See the procedure on the left "Disconnecting".

Compressed air pipe systems - Ø 15-28 mm

Determining the compressed air line diameter

Compressed air distribution with a closed circular pipeline

To dimension the closed circular pipeline, you need to work with half the nominal length of the entire circuit and the entire compressed air requirement.

Example:

Compressed air consumption 1,000 l/min., operating pressure 7 bar, total pipeline length is 300 m, work with 150 m for a closed circular pipeline

	Length	25 m	50 m	100 m	150 m	200 m	250 m	300 m
Compressor delivery volume	200 l/min	12	12	12	15	15	15	18
	400 l/min	12	12	15	15	15	18	18
	500 l/min	15	15	15	18	18	18	18
	750 l/min	15	15	18	18	18	22	22
	1,000 l/min	15	15	18	18	22	22	22
	1,500 l/min	18	18	18	22	22	22	22
	2,000 l/min	18	18	22	22	22	28	28
	3,000 l/min	22	22	28	28	28	28	28
	4,000 l/min	28	28	28	28	28	28	28

To determine the required pipe length for a main, supply and branch pipe, is recommended to design the supply line as a closed circular pipeline; in this case half the line length and the total supply volume can be assumed in dimensioning.

Compressed air distribution with branch lines

To dimension the branch, you need to work with the total nominal pipe length and the entire compressed air requirement.

Example:

Compressed air consumption 1,000 l/min, operating pressure 7 bar, total pipeline length 300 m

	Length	25 m	50 m	100 m	150 m	200 m	250 m	300 m
Compressor delivery volume	200 l/min	12	12	12	15	15	15	18
	400 l/min	12	12	15	15	15	18	18
	500 l/min	15	15	15	18	18	18	18
	750 l/min	15	15	18	18	18	22	22
	1,000 l/min	15	15	18	18	22	22	22
	1,500 l/min	18	18	18	22	22	22	22
	2,000 l/min	18	18	22	22	22	28	28
	3,000 l/min	22	22	28	28	28	28	28
	4,000 l/min	28	28	28	28	28	28	28

Further technical details on request. **All values stated here are theoretical computations and are therefore not binding.** An individual pipe network must be precisely calculated and tailored to local conditions.

Determination of the pipe network length; flow characteristics

The values of the substitute pipe lengths need to be added to the actual pipe length, to provide pipeline length L in terms of the flow characteristics:

Spare tube line length of fittings per piece

	Outside Ø	15	18	22	28
	Inside Ø	12	14	18	23
Fittings	Comparable with	3/8"	1/2"	3/4"	1"
Ball valve		0.1 m	0.2 m	0.3 m	0.4 m
Angle		0.7 m	1 m	1.3 m	1.5 m
T-piece		0.85 m	1 m	1.5 m	2 m
Reducer		0.4 m	0.45 m	0.5 m	0.6 m

Arithmetic example for determining the effective pipeline length L:

Planned components	Spare tube line length	Nominal length
2 x T-piece Ø 18 mm	1 m	2 m
3 x bend Ø 18 mm	1 m	3 m
1 x ball valve Ø 18 mm	0.2 m	0.2 m
Total		5.2 m

Effective pipeline length: planned length + total nominal length

Flow rates for plastic tubes and aluminium pipes

Pipe Ø mm	Plastic pipe Main pipe 6 m/sec. at 8 bar	Plastic pipe Main pipe 15 m/sec. at 8 bar	Aluminium pipe Main pipe 6 m/sec. at 8 bar	Aluminium pipe Main pipe 15 m/sec. at 8 bar
15	365 l/min	916 l/min	430 l/min	1,004 l/min
18	498 l/min	1,248 l/min	650 l/min	1,548 l/min
22	823 l/min	2,057 l/min	1,018 l/min	2,442 l/min
28	1,344 l/min	3,367 l/min	1,720 l/min	4,160 l/min

The indicated valves for the flow rate in the main pipe can change in case of flow in both directions. Other values for larger pipe diameters are available upon request.

Technical properties of connectors with Ø 15-28 mm

Working pressure and temperature range

Working temperatures* air	Working pressure*
20 °C	10 bar
1 °C	10 bar
+ 23° C	10 bar
+ 70° C	7 bar

* The pressure values depend on the pipe material. Please contact us in case of applications with liquids or vacuum.

Depending on the hoses used, it may be possible to use connectors for **higher pressures and temperatures** under certain conditions. Please feel free to contact us.

Suitable hose materials/types*

Plastic pipes	PE, PA, or PUR pipe materials that match the tolerances (see below). For soft and thin-walled pipes, we generally recommend the use of support sleeves and verification of the pressure ranges of the pipe material used. (Please do not hesitate to contact us).
Metal pipes (soft)	Brass, copper, aluminium pipes that match the tolerances (see below).
Metal pipes (hard) or surface-treated	Please check the suitability of the connectors in advance. Please do not hesitate to contact us.

It is absolutely essential that the outer diameter of the pipe is free from damage or longitudinal grooves.

Installation

All pipes and connectors must be clean and undamaged before use. Make sure that the pipe surface is free from longitudinal grooves, dents, or similar signs of damage.

Pipe tolerances

Our connectors can be used with the following tube diameters and tolerances.

Pipe outer diameter (mm)	Ø 15 mm - 28mm
Tolerances (mm)	+0.05/-0.10

Liquid chemicals

If you will be using chemicals or other potentially aggressive liquids, please contact us.

Caution: Our connectors are not designed for use with explosive gas, paraffin and other fuels.

Protective caps

Protective caps are available as an additional safeguard against the hose slipping out or for protection (marking) for differentiation by colour (see accessories on the following pages).

Food resistance

All connectors illustrated in this catalogue comply with foodstuff directives and can thus be used in food applications without any problems.

Maximum torque values for BSP plastic thread

	Thread	Thread	Thread
Thread size	3/8" – 1/2"	3/4"	1"
Max. torque	3.0 Nm	4.0 Nm	5.0 Nm

Maximum torque values for metal threads BSPT, BSP

	Thread	Thread	Thread
Thread size	1/2"	3/4"	1"
Max. torque	4.0 Nm*	5.0 Nm*	7.0 Nm*

* These values can vary. The values depend on the thread sealing material.

We recommend testing all installations before use to ensure that the installation has been correctly completed. Leak tightness must also be tested.

The maximum torque is geared to the use of our connectors and refers to types used in this catalogue in line with international specifications.

Warranty

Although we provide a warranty against manufacturing errors and material defects, it is the user's responsibility to ensure that connectors and similar products are suitable for the application in question. The installation must be performed according to our recommendations and pertinent approvals; national standards must be observed.

Installation and system test

All pipes and connectors must be clean and intact before use. After the installation, all hose and connector installations must be pressure tested to ensure that the system is pressure-tight before it is delivered to the customer. Please also refer to: "Connecting".

Testing the system

No matter whether you are working on a new or an existing system, we recommend testing the system as follows before use:

- ▶ Test the system at an operating pressure of 10 bar for a period of 10 minutes.
- ▶ Relieve the pressure on the system to 0 bar.
- ▶ Then, subsequently test the system at a working pressure of 2 bar for a period of 10 minutes.

No leakages must occur at the joints during this period. Sealing plugs and end caps can be useful here to shut off the drain openings and create a tight connection. When our products are integrated into complete systems, we recommend separate tests (functional checks, flow rate checks, chemical resistance, etc.). For safety checks, we additionally recommend documenting the test results in writing.

Compressed air pipe systems - Ø 15-32 mm

Installation instructions for plastic pipelines

To ensure safe and thus correct installation, please observe the following items:

- ▶ Pipe clamps must be installed so as to give the pipe sufficient play to move back and forward
- ▶ The pipe ends must be deburred to avoid damage to the o-rings on the connector
- ▶ Chamfer the pipes to facilitate assembly
- ▶ Cut the pipes with pipe shears RS 28 (Art. no. 215 1528) in order to achieve an optimum cut (90°)
- ▶ To avoid loss of pressure in the system, ensure that pipes always inserted into the connector up to the stop (also note the mark on the connector)
- ▶ When installing a compressed air piping system around a column, please also observe the longitudinal expansion of the pipes and connectors (the recommended distance from the wall is approx. 30 mm)

- ▶ When installing several vertical pipes we recommend first installing the pipe clamps on the horizontal lines, then pressurising the system, and installing the vertical clamps and connectors in a second step. This avoids the vertical pipes slanting after the installation.
- ▶ If there is no refrigeration dryer in the compressed air pipe network, we recommended using our T-connectors with integrated water traps (Art. no. 215 2222). This means that the condensed water can be collected at a defined point.
- ▶ When installing the compressed air pipe network, the thermal expansion must first be correctly computed in order to avoid pipes and connections buckling.

Correction factors for linear expansion

Correction factors for linear expansion of plastic pipes:

Pipe (soft)	Factor 1.5
Pipe (medium)	Factor 1.3
Pipe (hard)	Factor 1.0

Example calculation:

A compressed air line (hard pipe) of 150 m length installed in a factory shop at an ambient temperature of +15 to +40 °C

(ΔT is thus 25 °C) expands by:

$$\Delta L = 1.0 \times 10^{-4} / ^\circ\text{C} \times 150 \times 25^\circ\text{C}$$
$$\Delta L = 0.375 \text{ m}$$

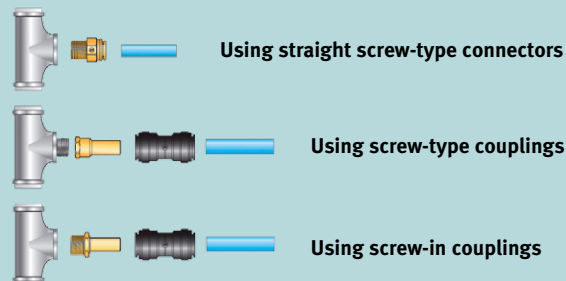
The specific linear expansion coefficient (LK) for polyamides = $10^{-4} / ^\circ\text{C}$ is equivalent to 0.1 mm/°C.

Formula for computing linear expansion:

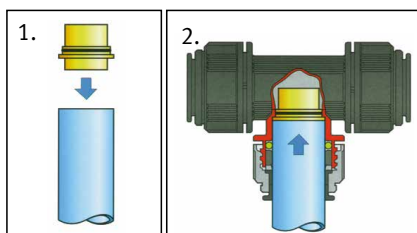
$$\Delta L = \text{factor} \times \text{LK} (10^{-4} / ^\circ\text{C}) \times \text{pipe length (L)} \times \text{temperature } (\Delta T)$$

Easy extension of existing pipe systems

Plug type connectors and pipes tubes can be used to install an independent system or extend or modify an existing pipe network (see right-hand side).



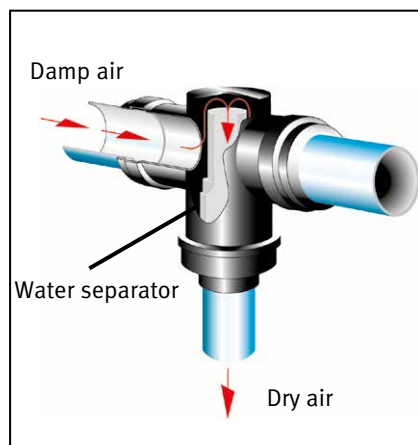
Description of the system water trap



Water trap for 28 mm compressed air line systems

You can construct a water trap for a 28 mm compressed air network using a standard T-connector, Art. no. 2152828 and brass insert Art. no. 2152829.

1. Push the short part of the insert, Art. no. 215 2829 into the plastic or copper pipe.
2. Push the pipe with the insert into the T-piece up to the stop
The retaining system is doubly secured by twisting the screw cap through a 1/4 turn. This prevents water penetrating into the branch pipes.



Water trap for 22 mm compressed air line systems

Water trap T-connectors remove the need for "goose necks" as this sophisticated technology prevents water penetrating into branch pipes. When installing this connector, make sure its is routed horizontally. The connector is marked accordingly to prevent incorrect installation.

Plastic pipes for compressed air systems

Delivery exclusively in the stated PUs!

- ▶ Very smooth inner surfaces, improved flow rate
- ▶ Tried and trusted for years
- ▶ Pressure- and temperature-resistant
- ▶ Vibration- and impact-resistant
- ▶ Corrosion-proof and non-ageing
- ▶ Low weight



Roll stock soft

PU (roll)	Roll 25nm	Roll 25 m	Roll 25 m	-
Art. no.	215151025	215181725	215221725	-
Art. no.	2151510	2151817	2152217	2152824

Technical Data				
OD	15*	18*	22	28
ID	12	14	18	23
Wall thickness	1.5 mm	2.0 mm	2.0 mm	2.5 mm
Operating pressure	15 bar	16 bar	14 bar	14 bar
** max. (20°C)				
Min. bending radius	90 mm	100 mm	140 mm	190 mm

Utilisation of the permissible operating pressures (sample computation):

Temperature range	+20 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C	+90 °C	+100 °C
Pipe smooth/hard	100%	83%	71%	62%	55%	49%	45%	41%	37%

Example: Rolls Ø 15 mm (smooth) : Permissible working pressure at +50 °C: 62% of 15 bar = 9.3 bar
 Bars Ø 15 mm (hard): Permissible working pressure at +50 °C: 62% of 25 bar = 15.5 bar

Aluminium tubes

AIRCRAFT aluminium pipe is made of aluminium grade ALMgSi 05. Four metre lengths of aluminium pipe are surface coated. Six metre lengths are uncoated. The pipes can be used for compressed air and vacuum.

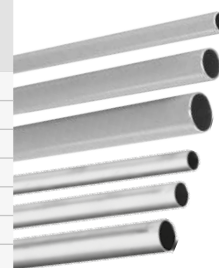
Temperature	Pressure
- 20 °C	15 bar
+ 1 °C	15 bar
+ 23 °C	15 bar
+ 70 °C	15 bar

*Diameter from Ø 15 mm to Ø 28 mm, Tube tolerance: ±0.10 mm

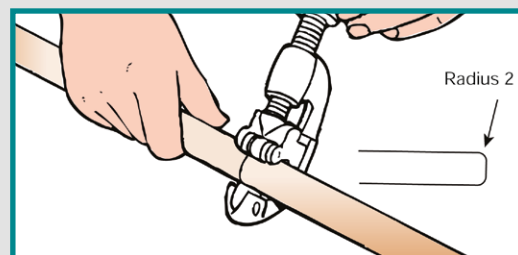
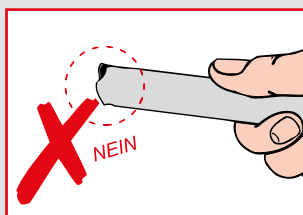
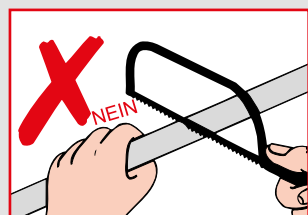
Art. no.	Dim. in mm	Wall thick-ness in mm	Packaging Unit PU	Surface
2157015 *	15	12	10 x 4 m = 40 m	coated
2157018 *	18	15	10 x 4 m = 40 m	coated
2157022 *	22	19	10 x 4 m = 40 m	coated
2157028 *	28	25	10 x 4 m = 40 m	coated
2156915 **	15	13	10 x 6 m = 60 m	uncoated
2156918 **	18	16	10 x 6 m = 60 m	uncoated
2156922 **	22	20	10 x 6 m = 60 m	uncoated
2156928 **	28	25	10 x 6 m = 60 m	uncoated
2151932 **	32	29	10 x 3 m = 30 m	uncoated

* The packaging unit of 10 can also be composed variably with 4m pipes of different diameters.

** The packaging unit of 10 can also be composed variably with 6m pipes of different diameters.



Installation notes for aluminium pipes



The pipe must be cleanly cut with a pipe cutter. Do not use a saw!

After cutting, deburr the pipe and lightly chamfer. The cutting angle of the aluminium pipe cutter does this for you. This ensures easy insertion of the pipe into the connector.

Compressed air pipe systems - Ø 15-32 mm

Pipeline building components Ø 15-32 mm

Delivery exclusively in the stated PUs!



Pipe OD	Art.no.	Packaging unit
Screw-in connector (parallel thread) up to 10 bar¹⁾		
15 1/2" OT	2151514	10
18 1/2" OT	2151814	10
22 3/4" OT	2152216	10
28 1" OT	2152818	10
32 1" OT	2153232	10
32 1 1/2" OT	2153233	10

Thread sealed by clamped o-ring



Straight connectors up to 10 bar¹⁾		
15	2150415	10
18	2150418	10
22	2150422	10
28	2150428	5
32	2150432	5



Angled connectors up to 10 bar¹⁾		
15	2150315	5
18	2150318	5
22	2150322	5
28	2150328	5
32	2150332	5



Pluggable reducer/connector up to 10 bar¹⁾			
Adapter	pipe	Outer diameter	
18	15	2151805	10
22	15	2151503	10
22	18	2151804	10
28	22	2152203	10
32	15	2153215	10
32	22	2153222	10
32	28	2153228	10



Straight connectors brass up to 15 bar		
15	2156115	1
18	2156118	1
22	2156122	1
28	2156128	1



90° bends brass up to 15 bar		
15	2156215	1
18	2156218	1
22	2156222	1
28	2156228	1



90° bends outer thread brass up to 15 bar		
15 1/2" OT	2156315	1
18 1/2" OT	2156318	1
22 3/4" OT	2156322	1
28 1" OT	2156328	1



T-piece brass up to 15 bar		
15	2156415	1
18	2156418	1
22	2156422	1
28	2156428	1



Screw socket (taper thread) up to 15 bar		
15 1/2" OT	2153415	10
18 1/2" OT	2153422	10
28* 3/4" OT	2153428	10
28* 1" OT	2153429	10

Material brass/*Parallel thread



Wall plate brass up to 15 bar		
15 1/2" IT	2151500	1
22 3/4" IT	2152200	1



Sealing plug black		
32	2150832	1



Pipe OD	Art.no.	Packaging unit
Male connector (parallel thread) up to 10 bar¹⁾		
15 1/2" OT	2151512	10
18 1/2" OT	2151816	10
22 1/2" OT	2152212	10
22 3/4" OT	2152234	10

Thread sealed by clamped o-ring



T-connector up to 10 bar¹⁾		
15	2150215	5
18	2150218	5
22	2150222	5
28	2152828	5
32	2150232	5



T-Reducing connectors up to 10 bar¹⁾			
Pipe OD	Pipe OD		
18	15	2153018	5
22	15	2153022	5



Straight reducer-connector			
32	28	2150433	10



Pluggable angled connector up to 10 bar¹⁾			
Pipe OD	Adapter OD		
15	15	2151515	10
18	18	2151818	10
32	32	2153332	10



T-piece with inside thread brass up to 15 bar			
15 1/2" IT	2156515	1	
18 1/2" IT	2156518	1	
22 3/4" IT	2156522	1	
28 1" IT	2156528	1	



End piece with outside thread brass up to 15 bar			
15 1/2" OT	2156615	1	
18 1/2" OT	2156618	1	
22 3/4" OT	2156622	1	
28 1" OT	2156628	1	



End piece with inside thread brass up to 15 bar			
15 1/2" IT	2156715	1	
18 1/2" IT	2156718	1	
22 3/4" IT	2156722	1	
28 1" IT	2156728	1	



Clip removal		
15	2156815	1
18	2156818	1
22	2156822	1
28	2156828	1



Screw-in connector (taper thread) up to 15 bar			
15 1/2" OT	2151215	10	
22 3/4" OT	2152243	10	
28 1" OT	2152808	10	

Material brass



Screw-type adapter (parallel thread) brass up to 15 bar			
15 1/2" IT	2151216	10	
22 3/4" IT	2152244	10	



Coupling with outside thread for thread		
1/2" OT	2200003	25



Safety coupling with outside thread for thread		
1/2" OT	2203103	1

Delivery exclusively in the stated PUs!

Designation	Art.no.	Packaging unit
Wall distribution box - 3 x 1/2" conn. on front		
for thread Ø		
Top Bottom		
3/4" without	2150930	1
3/4" 3/4"	2150931	1
1/2" without	2150934	1
1/2" 1/2"	2150935	1
Blind plug 1/2"	2150936	1
Material aluminium		
Air distribution box plastic - 4 x 1/2"		
BSP thread		
1/2"	2150212	1
Supplied with three plugs		
Air distribution box aluminium - 3 x 1/2"		
for thread Ø		
1/2" top	2151912	1
3/4" top	2151934	1
1" top	2151910	1
Supplied with two plugs		
Plug for thread - Ø		
1/2"	2151901	1
Water trap for pipe OD		
22	2152222	1
Water trap brass for 28 mm T-connector		
Pipe OD		
28	2152829	1
Pipe clamp for pipe OD		
15	2151520	100
18	2151820	100
22	2152220	100
28	2152820	100
32	2153220	100
Fastener for pipe		
15	2157115	1
18	2157118	1
22	2157122	1
28	2157128	1
Screw clamp with rubber inner belt		
15 - 18	2157218	1
22	2157222	1
28	2157228	1
Protective cap for pipe OD		
15	2150515	10
18	2150518	10
22	2150522	10
Cap for pipe OD		
15	2150815	10
18	2150818	10
22	2150822	10
28	2150828	10
Circlip for pipe OD		
15	2150115	10
18	2150118	10
22	2150122	10

Designation	Art.no.	Packaging unit
Screw lock		
Medium tight for gap 0.05 - 0.25 mm		
10 g	2500022	25
50 g	2500023	10
250 g	2500024	10

Teflon sealing tape		
12 m length	2500020	10

Designation		Art.no.
Ball valves		
Type		
R 3/8" IT	3/8" IT	2507710
R 3/8" IT	3/8" OT	2507711
R 1/2" IT	1/2" IT	2507712
R 1/2" IT	1/2" OT with lever	2507713
R 1/2" IT	1/2" OT with knob	2507714
R 3/4" IT	3/4" IT	2507715
R 3/4" IT	3/4" OT	2507716
R 1" IT	1" IT	2507720
R 1" IT	1" OT	2507721
R 1¼" IT	1¼" IT	2507725
R 1¼" IT	1¼" OT	2507726
R 1½" IT	1½" IT	2507730
R 1 1/2" IT	1 1/2" OT	2507731
R 2" IT	2" OT	2507741

Air shut-off cocks Ø 15-28 mm		
Comprising of 1 x ball valve and 2 x male threaded end pieces brass		
	End piece	
Pipe OD	Customer	
15	1/2"	2507815
18	1/2"	2507818
22	3/4"	2507822
28	1"	2507828

Compressed air energy saver G1
Opens and closes automatically, 115 V or 240 VAC operating voltage, 0 °C to +60 °C operating temperature, pressure range 0-16 bar.
See page 113 for a detailed description
Energy saver G1, connection: IT 1" 2150001

Compressed air energy saver G2
Opens and closes automatically, 115 V or 240 VAC operating voltage, 0 °C to +60 °C operating temperature, pressure range 0-16 bar.
See page 113 for a detailed description
Energy saver G2, connection: IT 2" 2150003

Accessories for compressed air energy saver G1
Remote control option with 5 m cable 2150002

Aluminium pipe cutter for pipe OD
4 - 30 mm 2151930

Exterior/interior pipe deburring tool:
Pipe OD
Ø 3- 35 mm 2155990

PA pipe shears
RS 28 2151528
Replacement blade 2151527

Pipe markers (labels)
Sheet = 3 labels 2156000

Compressed air distribution blocks - Ø 15-28 mm

Pre-assembled manifolds Ø 15-28 mm for ceiling and wall mounting

- Universally deployable in your pipe network
- Air inlet boxes or final distribution boxes
- Manifolds with filter pressure regulator and oil mist lubricators - perfect in cramped conditions
- Easy installation

Air inlet socket with single-handed coupling Ø 15- 28 mm



Scope of supply:

1 x air distribution box, 2 x blind plugs 1/2"
1 x end piece OT brass, 1 x coupling 1/2" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2158515
18 mm	1/2"	2158518
22 mm	3/4"	2158522
28 mm	3/4"	2158528

Distribution box without single-handed coupling Ø 15- 22 mm



Scope of supply:

1 x air distributor box, 1 x end piece OT brass

Pipe OD	End piece	Art.no.
15 mm	1/2"	2158615
18 mm	1/2"	2158618
22 mm	3/4"	2158622

Junction box with two single-handed couplings Ø 15- 22 mm



Scope of supply:

1 x air distributor box, 1 x end piece OT brass
1 x plug 1/2", 2 x coupling 1/2" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2158715
18 mm	1/2"	2158718
22 mm	3/4"	2158722

Distribution box with two safety couplings Ø 15- 22 mm



Scope of supply:

1 x air distributor box, 1 x end piece OT brass
1 x plug 1/2", 2 x coupling 1/2" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2158815
18 mm	1/2"	2158818
22 mm	3/4"	2158822

Junction box with two single-handed couplings Ø 15- 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve IT x 1/2" OT,
1 x end piece OT brass, 1 x blind plug 1/2",
2 x coupling 1/2" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2158915
18 mm	1/2"	2158918
22 mm	3/4"	2158922

Distribution box with two safety couplings Ø 15- 22 mm



Scope of supply:

1 x air distributor box, 1 x end piece OT brass
1 x plug 1/2", 2 x coupling 1/2" OT,
1 x ball valve R 1/2" IT x 1/2" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159015
18 mm	1/2"	2159018
22 mm	3/4"	2159022

Distribution box with two single-handed couplings, shut-off valve and pressure regulator 12 bar Ø 15 - 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1/2",
1 x coupling 1/2" OT, 1 x double nipple T 1/4 x T 1/2,
1 x Pressure regulator 1/4" 12 bar, 1 x Safety coupling 1/4" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159115
18 mm	1/2"	2159118
22 mm	3/4"	2159122

Distribution box with two safety couplings, shut-off valve and pressure regulator 12 bar Ø 15 - 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1",
1 x coupling 1/2" OT, 1 x double nipple T 1/4 x T 1/2,
1 x Pressure regulator 1/4" 12 bar, 1 x Safety coupling 1/4" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159215
18 mm	1/2"	2159218
22 mm	3/4"	2159222

Distribution box with two single-handed couplings, shut-off valve and filter pressure regulator 12 bar Ø 15 - 22 mm

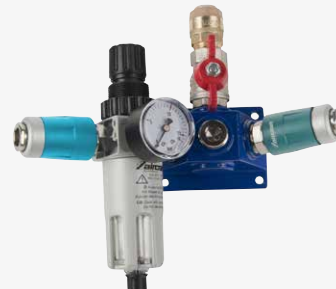


Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1/2",
1 x coupling 1/2" OT, 1 x double nipple T 1/4 x T 1/2,
1 x filter pressure regulator 1/4", 1 x coupling 1/4" OT

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159315
18 mm	1/2"	2159318
22 mm	3/4"	2159322

Distribution box with two safety couplings, shut-off valve and filter pressure regulator 12 bar Ø 15 - 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1/2",
1 x coupling 1/2" OT, 1 x double nipple T 1/4 x T 1/2,
1 x filter pressure regulator 1/4", 1 x safety coupling 1/4" OT,

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159415
18 mm	1/2"	2159418
22 mm	3/4"	2159422

Distribution box with two single-handed couplings, shut-off valve and filter pressure regulator and oil mist lubricator 12 bar Ø 15 - 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1/2",
1 x coupling 1/2" OT, 1 x double nipple T 1/2 x T 1/2,
1 x filter pressure regulator 1/4", 1 x oil mist lubricator 1/4",
1 x coupling 1/4" OT, 1 x 1 x double nipple T 1/4 x T 1/4

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159515
18 mm	1/2"	2159518
22 mm	3/4"	2159522

Distribution box with two safety couplings, shut-off valve and filter pressure regulator and oil mist lubricator 12 bar Ø 15 - 22 mm



Scope of supply:

1 x air junction box, 1 x ball valve
1 x end piece OT brass, 1 x blind plug 1/2",
1 x safety coupling 1/2" OT, 1 x oil mist lubricator 1/4"
1 x filter pressure regulator 1/4", 1 x oil mist lubricator 1/4",
1 x safety coupling 1/4" OT, 1 x double nipple T 1/4" x T 1/2"

Pipe OD	End piece	Art.no.
15 mm	1/2"	2159615
18 mm	1/2"	2159618
22 mm	3/4"	2159622

Compressed air line systems - aluminium profile Ø 40 - 80 mm

Aluminium profile compressed air lines 40/50/60/80 mm

The innovative, future-oriented piping system for compressed air and liquids.

- ▶ Aluminium tube combines all advantages of the conventional materials such as steel, plastic or copper, but avoids their disadvantages.
- ▶ On-going enhancements mean up to 50% time savings compared with legacy systems.
- ▶ Our development target was to remove the need for at least half of the threaded joints for individual components. Only the outer profile shape remained.
- ▶ Diameters 40 mm, 50 mm and 60 mm are available from stock, and up to 80 mm on request.



Spot drilling device for fast, low-noise installation of connections.

Patented clamping technology

- ▶ Can be drilled into under pressure
- ▶ Low noise thanks to sound damping
- ▶ Compatible with all systems used worldwide
- ▶ All four sides can be used
- ▶ Rapid and safe installation of connections
- ▶ Easy, fast and cost-efficient installation
- ▶ Air take-off at any required position
- ▶ Variety of fasteners available for wall or ceiling mounting
- ▶ Retroactive changes possible at any time
- ▶ Absolute air tightness and reliability

Tools required for installation:

- ▶ Allen key
- ▶ Deburring knife
- ▶ Conical counterbore
- ▶ Saw (manual saw or electrical cross-cut saw)
- ▶ Grease (Klüber Microlube GL 261 recommended)
- ▶ Drill or cordless screw driver
- ▶ Spot drilling device (if you want to perform spot drilling under pressure in operating conditions)

Compressed air accessories

- ▶ For more details, please turn to page 159



Various dimensions with different internal diameters available, as well as a large range of connection pieces and accessories.



Pre-assembled compressed air connection with safety coupling and spiral hose.

Your benefits

Quality

The aluminium compressed air piping system sets new benchmarks in compressed air distribution.

Development

Our development focused on feedback from the market. This means that many processors will recognise their suggestions in the new system.

Flexibility

Air take-off is possible at any required position, even under pressure. Required changes can thus be easily performed within the shortest time.

System

Wherever you need a compressed air system, a single-source, turn-key solution is your guarantee for safety. We help you to implement your needs, from the planning through to commissioning.

Installation

Uncomplicated handling. You only need an Allen key to install.

Output

Turn-key system - with matching components from A to Z in various sizes.

Results

Maximum compressed air quality, a high level of flexibility and time savings due to easy installation make this a forward looking system.

Dimensioning your compressed air lines

Correct dimensioning of a compressed air line is very important: A pressure drop from 6 bar to 5 bar costs approximately 25% of a tool's performance. To compensate for this pressure drop, around 10% more energy is needed.

Length in m	25	40	60	80	100	150	200	250	300	400	500	600	800	1000
Compressor delivery volume l/min														
750	20	20	20	22	22	25	28	28	28	30	30	30	40	40
1,200	20	20	20	22	22	25	28	28	28	30	30	30	40	40
1,500	22	22	25	28	28	30	30	30	40	40	40	40	40	50
2,000	25	28	30	30	40	40	40	40	40	50	50	50	50	50
3,000	30	30	40	40	40	40	50	50	50	50	50	60	60	60
4,800	40	40	40	50	50	50	50	60	60	60	80	80	80	80
7,200	40	50	50	50	60	60	60	80	80	80	80	80	80	80
10,800	50	60	60	60	80	80	80	80	80	80	80	80	80	80

Caution: For closed circular pipelines, halve the total line length. Values are only theoretical and need to be precisely calculated and matched to the situation on site for an individual pipe circuit.

Technical data for aluminium profile piping systems

Application: Compressed air, vacuum, argon, carbon dioxide, hydrogen, petrol, alcohol.

Designations	Profile EL 40, 50, 60, 80
Material	ENAW 6060
Chemical composition	SI 0.3-0.6% Mg 0.35-0.6% Zc 0.1-0.3%
Other designations	DIN: ALMgSi 0.5/F22/ENAW
Heat treatment	Quenching and tempering T66
Surface treatment (on request)	Chemical oxidation colour natural
Specific weight - Density	270 kg/dm ³
Electrical conductivity	53% IACS
Heat conductivity	200 W/m, K
Specific heat	96 J/Kg.K
Expansion coefficient	0.024 mm/m.°C
Brinell hardness	70.4 HB
Tensile strength	215 N/mm ²
Elongation break load	160 N/mm ²
Elastic modulus	6700 K/mm ²
Elongation A 50%	6 %
Screw material	Steel grade 8.8
Melt interspace	600 – 650 °C
Min./max. operating temperature	-40 / +120 °C
Test pressure	24 kg/cm ²
Operating pressure	10 bar 15 bar
Material of o-ring seals	NBR 70 Standard
Operating temperature of O-rings	-20 / +100 °C

Pressure drop 0.1 bar at 7 bar working pressure.

Caution: For closed circular pipelines, halve the volume flow and the total length

Aluminium profile compressed air piping system ALS

- For workshops or smaller industrial enterprises with an air consumption up to max. 2,000 l/min.
- Perfectly supplements the simplyAir system for branch and delivery pipes. Again, you can benefit from the decisive advantages of our intelligent aluminium piping system
- Extremely fast and easy installation
- Aluminium is lightweight, corrosion resistant and supports the flow
- Air take-off is possible at any required position without interrupting operations
- Turn-key system with matching components from A to Z in various sizes.
- Fast modular routing
- Lines are routed by simply plugging in the pipes
- Fast installation and removal without any special tools
- Wide range of connection options and accessories allows for optimum accommodation of the pipe network to workshop conditions
- Based on a variety of pipe and connection sizes, complete with plates, brackets, or T-pieces

Plate installation



The brilliant design principle eases the assembly. The new pipe network can be easily and quickly installed.

All thanks to our superior, patent-registered clamping technology. This helps you make genuine savings in terms of both time and money. The heart of this

innovative piping system is a lightweight rectangular tube made of extruded aluminium.

Excellent corrosion resistance and flow support. Aluminium combines all the benefits of conventional materials such as steel, plastic or copper. At the same time it avoids their disadvantages such as a rough surface, sagging tubes, corrosion and the like.

Simply push on the plate, tighten with an Allen key - done!

Compressed air line systems - aluminium profile Ø 40 - 80 mm

Aluminium profile compressed air lines 40/50/60/80 mm



Aluminium pipeline "Natural"				
Pipe Ø ID	Packaging unit PU	Weight m	Art.no.	
40	1 x 6 m	1.0 kg	2154140	
50	1 x 6 m	1.4 kg	2154150	
60	1 x 6 m	1.9 kg	2154160	
80	1 x 6 m	2.6 kg	2154180	

Pipe network components Ø 40/50/60/80 mm



Fig. straight connector incl. plates made of stainless steel



Straight connectors - expansion joints complete with stainless steel plates

Pipe Ø ID	Art.no.
40 mm	2154240
50 mm	2154250
60 mm	2154260
80 mm	2154280

Rubber length compensator

Pipe Ø ID	Art.no.
40 mm	2157140
50 mm	2157150
60 mm	2157160
80 mm	2157180

Reducing connector, complete with plates

Pipe Ø ID	Art.no.
50-40 mm	2154350
60-40 mm	2154359
60-50 mm	2154360
80-40 mm	2154379
80-50 mm	2154380
80-60 mm	2154381

Bend 90°, complete with angle plates made of stainless steel

Pipe Ø ID	Art.no.
40 mm	2154440
50 mm	2154450
60 mm	2154460
80 mm	2154480

Bend 90°, open one side, complete with plates

Pipe Ø ID	Art.no.
40; 1 1/4" T	2154441
50; 1 1/4" T	2154451
60; 2" T	2154461
80; 1 1/2" T	2154481

Bend 45°, complete with angle plates made of stainless steel

Pipe Ø ID	Art.no.
40 mm	2155040
50 mm	2155050
60 mm	2155060
80 mm	2155080

T-connector, complete with plates

Pipe Ø ID	Art.no.
40 mm	2154540
50 mm	2154550
60 mm	2154560
80 mm	2154580



End piece with outer thread, complete with plates

Pipe Ø ID	Pipe Ø Customer	Art.no.
40 mm	1"	2155340
40 mm	1 1/4"	2155341
50 mm	1 1/2"	2155350
50 mm	2"	2155351
60 mm	2"	2155360
80 mm	2 1/2"	2155380

Reducing plate complete EL

Pipe Ø ID	Art.no.
60 mm	2155460
50 mm	2155450
80 mm	2155480
80 mm	2155481

End piece closed, complete with plates

Pipe Ø ID	Art.no.
40 mm	2154940
50 mm	2154950
60 mm	2154960
80 mm	2154980

End piece with inside thread, complete with plates

Pipe Ø ID	Rohr Ø IT	Art.no.
40 mm	1/2"	2155140
40 mm	1"	2155240
50 mm	1/2"	2155150
50 mm	1"	2155251
50 mm	1 1/4"	2155250
60 mm	1/2"	2155160
60 mm	1"	2155261
60 mm	1 1/2"	2155260
80 mm	1/2"	2155180
80 mm	1"	2155281
80 mm	1 1/2"	2155282
80 mm	2"	2155280

Reducing plate complete ALS

Pipe Ø ID	Art.no.
40 mm	2154022
40 mm	2154028
50 mm	2155022
50 mm	2155028
60 mm	2156022
60 mm	2156028
80 mm	2158022
80 mm	2158028



T-connector, open one side

Pipe Ø ID	Thread	Art.no.
40 mm	1"	2154640
50 mm	1½"	2154650
60 mm	2"	2154660
80 mm	2½"	2154680



Cross connectors

Pipe Ø ID	Art.no.
40 mm	2154740
50 mm	2154750
60 mm	2154760
80 mm	2154780



Ball valve, complete with plates

Pipe Ø ID	Art.no.
40 mm	2154840
50 mm	2154850
60 mm	2154860
80 mm	2154880



Baseplate

Pipe Ø ID	Art.no.
New 40 mm 3/8"	2155539
40 mm 1/2"	2155540
New 40 mm 3/4"	2155541
New 40 mm 1"	2155542
New 50 mm 3/8"	2155549
50 mm 1/2"	2155550
New 50 mm 3/4"	2155551
New 50 mm 1"	2155552
New 60 mm 3/8"	2155559
60 mm 1/2"	2155560
New 60 mm 3/4"	2155561
New 60 mm 1"	2155562
New 80 mm 3/8"	2155579
80 mm 1/2"	2155580
New 80 mm 3/4"	2155583
80 mm 1"	2155581
80 mm 1½"	2155582



Baseplate with ball valve 1/2"

Pipe Ø ID	Art.no.
40 mm	2155640
50 mm	2155650
60 mm	2155660
80 mm	2155680



Ceiling mount with threaded rod complete

Pipe Ø ID	Art.no.
40 mm	2155840
50 mm	2155850
60 mm	2155860
80 mm	2155880



Universal holder complete with base plate

Pipe Ø ID	Art.no.
40 mm	2157240
50 mm	2157250
60 mm	2157260
80 mm	2157280



Wall and ceiling mount complete

Pipe Ø ID	Art.no.
40 mm	2155740
50 mm	2155750
60 mm	2155760
80 mm	2155780



Deburring knife complete

	Art.no.
150 mm	2155950
Replacement blade	2155951



Taper bore drill

Drill bit	Art.no.
8 - 20 mm	2155960



Spot drilling device

Pipe Ø ID	Art.no.
1/2"	2155940



Metal fixture

Reach	Art.no.
300 mm	2155930
500 mm	2155935



Hanger bolt

Dimensions	Art.no.
New M8 x 50	2155958
New M8 x 60	2155959
M8 x 80	2155961
New M8 x 100	2155962
New M10 x 100	2155963



Screw insert attachment for electric driving tool

Dimensions	Art.no.
M 8	2155965
M 10	2155966



Sealing ring for profile 40

Pipe Ø ID	Art.no.
40 mm	2155970
50 mm	2155971
60 mm	2155972
80 mm	2155973



Support clamp M10

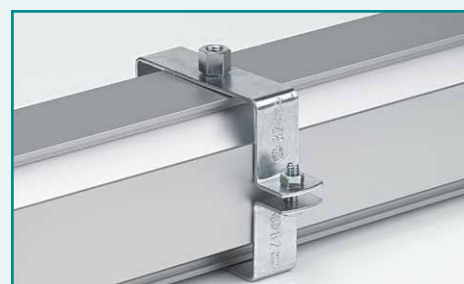
Thickness	Art.no.
0 - 20 mm	2157100



To make sure that the peripherals around your compressed air lines are exactly what you need, we offer a range of components that perfectly match your system.



Compressed air requirements mean individual requirements and an individual supply - to allow this to happen, the service portfolio must be organised in a smart and flexible way.



Pipes and connections in a variety of sizes form the basis, complete with plates, brackets, or T-pieces.

Pressure regulators/maintenance units

Designation	Art. no.
-------------	----------



Pressure regulator DR 1/4" 12 bar ¹⁾	2316050	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Pressure regulator DR 1/2" 12 bar ¹⁾	2316250	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Designation	Art. no.
-------------	----------



Filter pressure regulator FDR 1/4" 12 bar ¹⁾	2316000	
Replacement vessel filter regulator 1/4"	2316001	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Filter pressure regulator FDR 1/2" 12 bar ¹⁾	2316200	
Replacement vessel filter regulator 1/2"	2316201	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Designation	Art. no.
-------------	----------



Oil mist lubricator NÖ 1/4" 12 bar ¹⁾	2316060	
Replacement vessel lubricator 1/4"	2316061	

Oil mist lubricator NÖ 1/2" 12 bar ¹⁾	2316260	
Replacement vessel lubricator 1/2"	2316261	

Designation	Art. no.
-------------	----------



Water trap WA 1/4" 12 bar ¹⁾	2316070	
Water trap WA 1/2" 12 bar ¹⁾	2316270	

Designation	Art. no.
-------------	----------



Combined maintenance unit WE 1/4" 12 bar ¹⁾	2316080	
Combined maintenance unit WE 1/2" 12 bar ¹⁾	2316280	

1) Inlet pressure max. 12 bar

Designation	Art. no.
-------------	----------



Pressure regulator DR 1" 12 bar ²⁾	2316350	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Designation	Art. no.
-------------	----------



Filter pressure regulator FDR 1" 12 bar ²⁾	2316300	
Replacement vessel filter regulator 1"	2316301	
Pressure gauge Ø 40 mm, 1/8" rear	2316003	

Designation	Art. no.
-------------	----------



Oil mist lubricator NÖ 1" 12 bar ²⁾	2316360	
Replacement vessel lubricator 1/2"	2316361	

Designation	Art. no.
-------------	----------



Water trap WA 1" 12 bar ²⁾	2316370	
--	---------	--


Designation	Art. no.
-------------	----------







Fig. shows the scope of delivery Installation example with 1" connection block



Connection block 1" with 2 x 1/2" thread	2316380	
Plug for thread 1/2"	2151901	



2) Inlet pressure max. 16 bar

Designation	Art. no.
	
Pressure regulator 1/4" 14 bar³⁾	2314050
Pressure gauge regulator 14 bar	2314002
Pressure regulator 1/2" 14 bar³⁾	2314250
Pressure gauge regulator 14 bar	2314002

Designation	Art. no.
	
Filter pressure regulator 1/4" 14 bar³⁾	2314000
Replacement glass filter 1/4" 14 bar	2314001
Pressure gauge regulator 14 bar	2314002
Filter pressure regulator 1/2" 14 bar³⁾	2314200
Replacement glass filter 1/2" 14 bar	2314201
Pressure gauge regulator 14 bar	2314002

Designation	Art. no.
	
Oil lubricator 1/4" 14 bar³⁾	2314060
Replacement glass oiler 1/4" 14 bar	2314061
Oil lubricator 1/2" 14 bar³⁾	2314260
Replacement glass oiler 1/2" 14 bar	2314261

Designation	Art. no.
	
Water trap 1/4" 14 bar³⁾	2314070
Water trap 1/2" 14 bar³⁾	2314270

Designation	Art. no.
	
Maintenance unit 1/4" 14 bar³⁾	2314080
Maintenance unit 1/2" 14 bar³⁾	2314280

Flow direction to right. Flow direction to left on request.

³⁾ Inlet pressure max. 16 bar

Compressed air fittings

Delivery exclusively in the stated PUs!

Designation	Packaging unit	Art. no.
Couplings with outside thread		
Coupling 1/4" OT	10	2200001
Coupling 3/8" OT	10	2200002
Coupling 1/2" OT	10	2200003



Couplings with inside thread		
Coupling 1/4" IT	10	2200011
Coupling 3/8" IT	10	2200012
Coupling 1/2" IT	10	2200013



Couplings with hose barsbs		
Coupling 6 mm	10	2200021
Coupling 9 mm	10	2200022
Coupling 13 mm	10	2200023



Plug-in barb		
Plug-in barb 6 mm	10	2200031
Plug-in barb 9 mm	10	2200032
Plug-in barb 13 mm	10	2200033



Plug-in nipples with outside thread		
Plug-in nipple 1/4" OT	10	2200041
Plug-in nipple 3/8" OT	10	2200042
Plug-in nipple 1/2" OT	10	2200043



Plug-in nipples with inside thread		
Plug-in nipple 1/4" IT	10	2200051
Plug-in nipple 3/8" IT	10	2200052
Plug-in nipple 1/2" IT	10	2200053



Distribution list		
2x 3/8" with coupling	5	2200085
3x 3/8" with coupling	5	2200095



Double hose barsbs		
Double hose barsbs 6 mm	25	2200102
Double hose barsbs 9 mm	25	2200103
Double hose barsbs 13 mm	10	2200104



Reducing nipple short		
1/8" IT x 1/4" OT	25	2200141
1/4" IT x 3/8" OT	25	2200142
1/4" IT x 1/2" OT	25	2200143
3/8" IT x 1/2" OT	25	2200145
1/2" IT x 3/4" OT	25	2200147
3/4" IT x 1" OT	25	2200148



Reducing nipple long		
1/4" IT x 1/8" OT	10	2200151
3/8" IT x 1/4" OT	10	2200152
1/2" IT x 3/8" OT	10	2200153
3/4" IT x 1/2" OT	10	2250211



Sleeves		
Sleeves 1/4"	10	2200132
Sleeves 3/8"	10	2200133
Sleeves 1/2"	10	2200134
Sleeves 3/4"	10	2200138
Sleeves 1"	10	2200135



Pivoting connection		
For attachment to compressed air tool · Prevents twisting of the connecting hose · Robust and durable		
Max. working pressure 12 bar · Air connection: 1/4" OT + 1/4" IT		
Pivoting connection	1	2116010

New



Ear clamps PRO		
for 12.3 mm hose, range: 9.8-12.3 mm	100	2105006
for 13.3 mm hose, range: 10.8-13.3 mm	100	2105008
for 15.7 mm hose, range: 13.2-15.7 mm	100	2105009
for 17.8 mm hose, range: 15.6-17.8 mm	100	2105011
for 19.8 mm hose, range: 16.6-19.8 mm	100	2105012



Designation	Packaging unit	Art. no.
Hose barsbs with outside thread		
Threaded barsbs 1/8", 4 mm	25	2200171
Threaded barsbs 1/8", 6 mm	25	2200172
Threaded barsbs 1/8", 9 mm	25	2200173



Threaded barsbs 1/4", 6 mm	25	2200174
Threaded barsbs 1/4", 9 mm	25	2200176
Threaded barsbs 1/4", 13 mm	25	2200181

Threaded barsbs 3/8", 6 mm	25	2200175
Threaded barsbs 3/8", 9 mm	25	2200177
Threaded barsbs 3/8", 13 mm	25	2200182

Threaded barsbs 1/2", 6 mm	10	2200178
Threaded barsbs 1/2", 9 mm	10	2200179
Threaded barsbs 1/2", 13 mm	10	2200180

T-piece with inside thread		
T-piece 1/8" IT	10	2200190
T-piece 1/4" IT	10	2200193
T-piece 3/8" IT	10	2200196
T-piece 1/2" IT	10	2200199



T-piece with outside thread		
T-piece 1/8" OT	10	2200191
T-piece 1/4" OT	10	2200192
T-piece 3/8" OT	10	2200194
T-piece 1/2" OT	10	2200198



Angle joint		
Bend 1/8" OT	10	2200201
Bend 1/4" OT	10	2200202
Bend 3/8" OT	10	2200203
Bend 1/2" OT	5	2200204



Blind plug		
Blind plug 1/8"	25	2200211
Blind plug 1/4"	25	2200212
Blind plug 3/8"	25	2200213
Blind plug 1/2"	25	2200214



Galvanized steel dummy plug 1 1/4" - 2 1/2"		
Dummy plug 1 1/4"	1	22511667
Dummy plug 1 1/2"	1	22511668
Dummy plug 2"	1	22511669
Dummy plug 2 1/2"	1	22511671



Double nipple		
Double nipple T 1/8" x T 1/8"	25	2200122
Double nipple T 1/4" x T 1/4"	25	2200123
Double nipple T 1/4" x T 3/8"	25	2200124
Double nipple T 1/4" x T 1/2"	10	2200125



Double nipple T 3/8" x T 3/8"	10	2200126
Double nipple T 3/8" x T 1/2"	10	2200127
Double nipple T 3/8" x T 3/8" left-handed	10	2200130

Double nipple T 1/2" x T 1/2"	10	2200128
Double nipple T 1/2" x T 3/4"	10	2200129

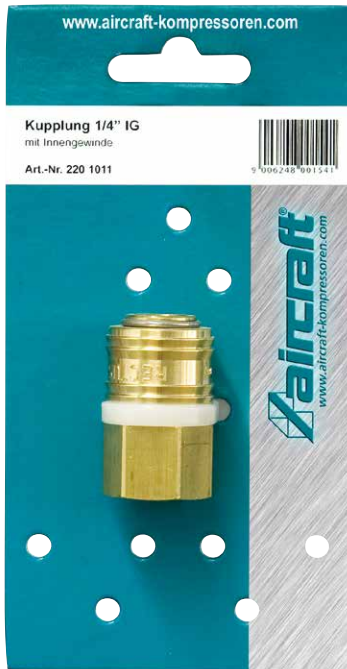
Double nipple T 3/4" x T 3/4"	10	2200136
Double nipple T 3/4" x T 1"	10	2200137

Double nipple detachable		
Double nipple detachable OT 1/8" x 1/8"	10	2200300
Double nipple detachable OT 1/4" x 1/4"	10	2200301
Double nipple detachable OT 3/8" x 3/8"	10	2200302
Double nipple detachable OT 1/2" x 1/2"	10	2200303
Double nipple detachable OT 3/4" x 3/4"	10	2200304
Double nipple detachable OT 1" x 1"	10	2200305



Retail packaging

With cardboard back, packed in packing units



Designation	Packaging unit	Art. no.
Couplings with outside thread		
Coupling 1/4" OT	6	2201001
Coupling 3/8" OT K 26	6	2201002
Coupling 1/2" OT	6	2201003



Couplings with inside thread		
Coupling 1/4" IT	6	2201011
Coupling 3/8" IT	6	2201012
Coupling 1/2" IT	6	2201013



Couplings with hose barbs		
Coupling 6 mm	6	2201021
Coupling 9 mm	6	2201022
Coupling 13 mm	6	2201023



Plug-in barb		
Plug-in barb 6 mm	6	2201031
Plug-in barb 9 mm	6	2201032
Plug-in barb 13 mm	6	2201033



Plug-in nipples with outside thread		
Plug-in nipple 1/4" OT	6	2201041
Plug-in nipple 3/8" OT	6	2201042
Plug-in nipple 1/2" OT	6	2201043



Plug-in nipples with inside thread		
Plug-in nipple 1/4" IT	6	2201051
Plug-in nipple 3/8" IT	6	2201052
Plug-in nipple 1/2" IT	6	2201053



Distribution list		
2x 3/8" with coupling	6	2201085
3x 3/8" with coupling	6	2201095



Double nipple		
T 1/4" x T 1/4"	6	2201123
T 1/4" x T 3/8"	6	2201124
T 1/4" x T 1/2"	6	2201125
T 3/8" x T 3/8"	6	2201126
T 3/8" x T 1/2"	6	2201127
T 1/2" x T 1/2"	6	2201128



Reducing nipple short IT/OT		
1/8" x 1/4"	6	2201141
1/4" x 3/8"	6	2201142
1/4" x 1/2"	6	2201143
3/8" x 1/2"	6	2201145



Reducing nipple long IT/OT		
3/8" IT x 1/4" OT	6	2201152
1/2" IT x 3/8" OT	6	2201153



Ear clamps PRO		
for 12.3 mm hose, range: 9.8-12.3 mm	4	2105006SB
for 13.3 mm hose, range: 10.8-13.3 mm	4	2105008SB
for 15.7 mm hose, range: 13.2-15.7 mm	4	2105009SB



PU in outer box

One-handed safety couplings

"Comfort" safety couplings

AIRCRAFT is the first manufacturer to use Airprofi series single-handed safety couplings for all compressed air take-off points.



Your benefits at a glance:

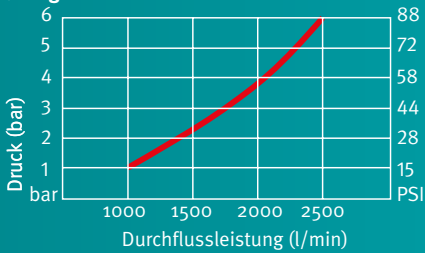
Occupational safety

- ▶ No parts and dirt particles are projected out
- ▶ No backlash from the hose line compared with legacy quick-disconnect couplings
- ▶ The system fulfils the requirements in ISO 4414 and is BIA compliant. Increased safety standard at the workplace as a standard!

Very high flow rate

- ▶ The following diagram illustrates the very high flow rate

High resistance



- ▶ The plug-in nipple is not exposed to mechanical load; thus brass nipples also last longer

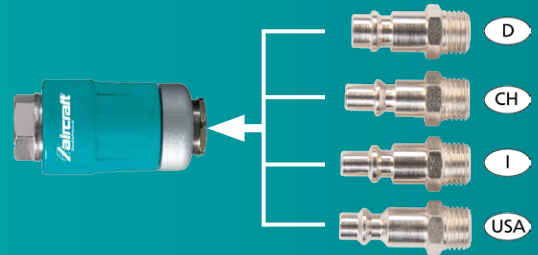
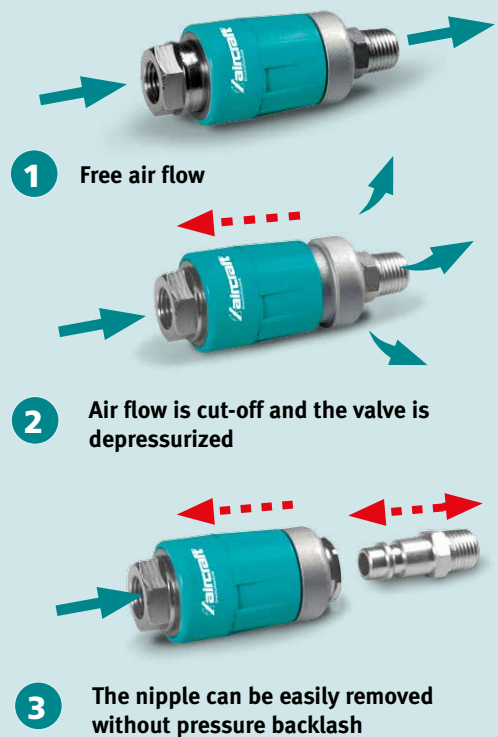
Comfort

- ▶ KOMFORT safety couplings - incomparably easy to use
- ▶ Zero pressure coupling – the nipple can be guided with just two fingers

Universal coupling

- ▶ Usable with plug-in nipple systems from Germany, Switzerland, Italy and the USA

Patented safety



Technical Data

Temperature	- 15 °C + 80 °C
Plug-in nipple system	German, Swiss, Italian, US
Maximum pressure	20 bar
Weight	approx. 125 g
Throughput at 6 bar	2,500 l/min



Coupling with outside thread



Coupling with inside thread



Coupling with hose barb



Plug-in nipple OT



Plug-in nipple IT



Plug-in barb

Single-handed safety coupling

Type	Art. no.
1/4" outside thread	2203101
3/8" outside thread	2203102
1/2" outside thread	2203103
1/4" inside thread	2203104
3/8" inside thread	2203105
1/2" inside thread	2203106
6 mm with hose barb	2203107
8 mm with hose barb	2203108
10 mm with hose barb	2203109
13 mm with hose barb	2203111

Steel plug-in nipple/steel plug-in barb

Type	Art. no.
1/4" outside thread	2203009
3/8" outside thread	2203010
1/2" outside thread	2203011
1/4" inside thread	2203012
3/8" inside thread	2203013
1/2" inside thread	2203014
Plug-in barb, steel 9 mm	2203015
Plug-in barb, steel 13 mm	2203016

Single-handed safety couplings – pressure relief and disconnecting at the push of a button



Your benefits at a glance:

Occupational safety

- ▶ No parts and dirt particles are projected out
- ▶ No backlash from the hose line compared with legacy quick-disconnect couplings
- ▶ The system fulfils the requirements in ISO 4414 and is BIA compliant. Increased safety standard at the workplace as a standard!

Very high flow rate

- ▶ The following diagram illustrates the very high flow rate
- ▶ Absolute tightness of the couplings and the thread

Economic benefits and stability

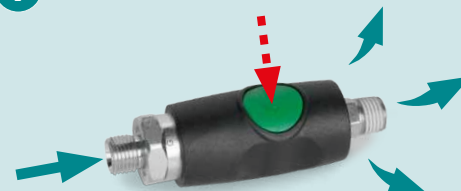
- ▶ Long service life of the coupling due to premium workmanship and reduced mechanical load
- ▶ Low energy costs due to long-term leak tightness of the coupling
- ▶ The plug-in nipple is not exposed to mechanical load; thus brass nipples also last longer
- ▶ Resilient to abrasion, impact stress, crushing, vibration and corrosion
- ▶ Lightweight, antistatic, scratch-proof material

Comfort

- ▶ Safety couplings - incomparably easy to use
- ▶ The pressure is relieved and the compressed air system and tools are safety disconnected at the push of a button
- ▶ Pressureless coupling
- ▶ Ergonomic, compact shape for intuitive and natural handling
- ▶ Smaller dimensions for less use of space, easy assembly



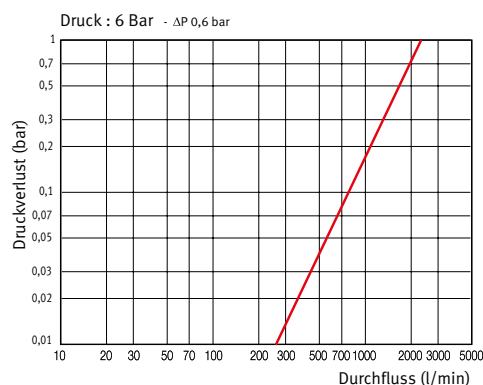
1 Free air flow



2 The air flow is cut-off and the valve is depressurized



3 The nipple can be easily removed without pressure backlash



Technical Data

Temperature	- 15 °C + 70 °C
Plug-in nipple system	7.2 - 7.4 European profile
Maximum pressure	12 bar
Weight	approx. 86 g
Throughput at 6 bar	1,820 l/min



Coupling with outside thread

Coupling with inside thread

Coupling with hose barb



Plug-in nipple OT

Plug-in nipple IT

Plug-in barb

Single-handed safety coupling

Type	Art. no.
1/4" outside thread	2203501
3/8" outside thread	2203502
1/2" outside thread	2203503
1/4" inside thread	2203504
3/8" inside thread	2203505
1/2" inside thread	2203506
6 mm with hose barb	2203510
9 mm with hose barb	2203512
13 mm with hose barb	2203514

Steel plug-in nipple/steel plug-in barb

Type	Art. no.
1/4" outside thread	2203009
3/8" outside thread	2203010
1/2" outside thread	2203011
1/4" inside thread	2203012
3/8" inside thread	2203013
1/2" inside thread	2203014
Plug-in barb, steel 9 mm	2203015
Plug-in barb, steel 13 mm	2203016

More plug-in nipples and barbs on the previous pages.

Aircraft Service

Professional Aircraft service - four building blocks for your benefit



Our professional Aircraft customer service gives every customer the ability to choose the performance they need from our comprehensive program of services at any time.

Our services can be divided into the following four modules: inventory and requirements analysis, plant design and advisory

services, installation and commissioning, maintenance and after-sales service.

The AIRCRAFT service field force, and our service partners, ensure reliable, nationwide, on-site service for our customers.

1 Inventory and requirements analysis

Determining your compressed air requirements
Engineering and safety check of your existing system
Energy efficiency measurements of the existing system
Leakage measurements and leak finding for existing systems

3 Installation and commissioning

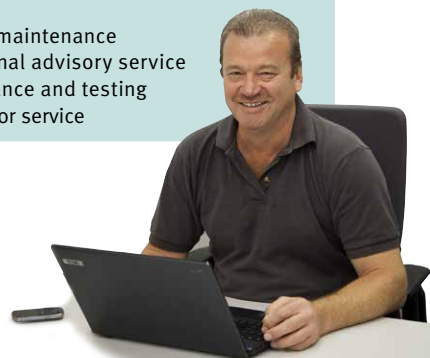
Installation of your compressed air system
Installing the complete pipe network
Commissioning your compressed air system
Training on site

2 Advisory services and system planning

Planning of your compressed air system
Identifying savings and optimisation potentials
Creating installation drawings
Project management in all phases of the installation

4 Maintenance and repairs

On-site service for repairs and maintenance
Service hotline with professional advisory service
Reminder service for maintenance and testing
deadlines Substitute compressor service



AIRCRAFT Service contacts:



**COMPRESSED AIR
ADVISORY SERVICE
AIRCRAFT GERMANY:**

Tel. +49 (0) 951 - 96 555-0
Fax: +49 951/96 555 - 55
Email: info@aircraft-kompressoren.de



**HOTLINE SPARE PARTS ORDERS
AIRCRAFT GERMANY:**

Mr. Temschenko: Tel. +49 951/96 555 - 118
Mr. Endres: Tel. +49 951/96 555 - 117 Fax: +49 951/96 555 - 119
Email ersatzteile@stuermer-maschinen.de
Direct spare parts availability query: 24h via Partner Portal



**SERVICE HOTLINE
(REPAIRS, WARRANTY CLAIMS)**

**ONLY FOR
SPECIALIST
RETAIL PARTNERS**

Tel. +49 (0) 951/96 555 - 100 Fax +49 (0) 951/96 555 - 111
Email service@stuermer-maschinen.de
Fast order processing & status queries: 24h via our Partner Portal
Our specialist retail partners can contact us as follows:
Monday to Thursday: 7 am to 5 pm, Fridays 7 am to 4 pm



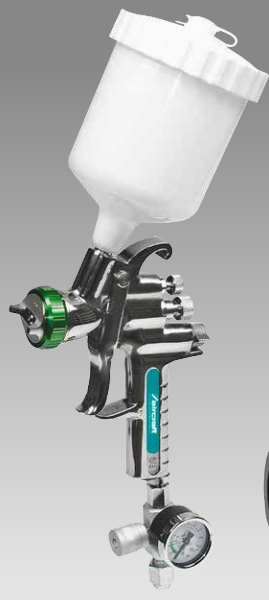
**COMPRESSED AIR
ADVISORY SERVICE
AIRCRAFT AUSTRIA**

Tel. +49 7752 / 70 929 - 0
Fax: +49 7752 / 70 929 - 99
Email: info@aircraft-kompressoren.de



**HOTLINE SPARE PARTS ORDERS
AIRCRAFT AUSTRIA:**

Tel. head office: +49 7752 / 70 929 - 0 Fax: +49 7752 / 70 929 - 99
Email ersatzteile@stuermer-maschinen.de
Direct spare parts availability query: 24h via Partner Portal



Compressed air tools and accessories

Coating

Airbrush kit and spray guns

- ▶ Airbrush complete kit for professionals and demanding hobbyists
- ▶ Professional paint spraying guns, standard and HVLP type
- ▶ For perfect coating results in automotive or wood coating applications
- ▶ Accurate and uniform, excellent coverage

Decoration gun ES

- ▶ Adjustable circular section jet and wide-spread nozzle 0.5 mm
- ▶ With paint volume control
- ▶ Versatile application for car repairs and model making



Model	ES
Art. no.	2101260

Technical Data	
Plastic gravity feed cup	100 ml
Working pressure	1 - 3 bar
Air consumption	30 - 60 l
Weight	0.40 kg

Accessories	Art. no.
Nozzle set 0.5 mm for ES	2101265
Nozzle set 0.7 mm for ES	2101267
Spare gravity feed cup for ES	2101261

Paint spraying gun SD

- ▶ For universal deployment
- ▶ Continuously adjustable for round and flat jet
- ▶ With paint volume control
- ▶ Plastic gravity feed cup 0.5 l



Model	SD
Art. no.	2101400

Technical Data	
Plastic gravity feed cup	500 ml
Nozzle	1.5 mm
Working pressure	3.0 - 4.5 bar
Air consumption	100 - 200 l
Weight	0.5 kg

Accessories	Art. no.
Nozzle set 1.5 mm for SD	2101415
Nozzle set 2.0 mm for SD	2101420
Nozzle set 2.5 mm for SD	2101425
Spare gravity feed cup for SD	2101401

Wall mount for paint spraying gun

- ▶ Magnetic table
- ▶ Paint spray gun always at hand



Model	Wall mounting
Art. no.	2101010

Technical Data	
Holding force	4 kg

Air-Brush kit AS

- ▶ Practical single-handed operation for paint and airflow control
- ▶ With paint reservoirs, 22 ccm and 50 ccm made of glass and 5 ccm made of metal
- ▶ With connecting hose 2 m
- ▶ With gun holder
- ▶ With 1/4" connecting reducer nipple and spanner



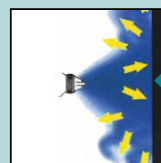
Model	Air-Brush kit AS
Art. no.	2101050

Technical Data	
Weight	16 kg

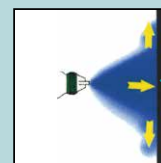
Accessories	Art. no.
Spare nozzle kit 0.3 mm	2101052

HVLP paint spraying guns

- ▶ Normal pressure spray gun HVLP system; lower atomisation pressure reduces backlash and spray mist
- ▶ Lower air consumption
- ▶ Lower paint consumption
- ▶ More effective coverage
- ▶ Reduces disposal costs for overspray and filter



legacy principle



HIGH VOLUME
LOW PRESSURE

Paint spraying gun PJ HVLP

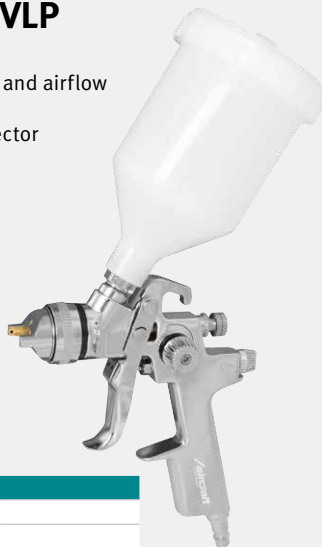
- ▶ For premium applications
- ▶ With continuously adjustable material and airflow control
- ▶ Plastic gravity feed cup with drip protector
- ▶ With paint strainer

Model	PJ HVLP
Art. no.	2101600

Technical Data

Plastic gravity feed cup	750 ml
Nozzle	1.4 mm
Working pressure	3.5 - 4 bar
Air consumption	150 - 200 l
Weight	0.7 kg

Accessories	Art. no.
Nozzle set 1.4 mm	2101614
Nozzle set 1.7 mm	2101617
Nozzle set 2.0 mm	2101620
Nozzle set 2.2 mm	2101622
Spare gravity feed cup 0.75 l	2101601
Paint filter	2101602



Paint spraying gun HVLP PRO

- ▶ For professional use
- ▶ Continuously adjustable for round and wide jet
- ▶ With continuously adjustable paint volume and airflow control
- ▶ In practical storage cases with wear parts set, inline pressure regulator and three paint filters



Model	HVLP PRO
Art. no.	2101700

Technical Data

Plastic gravity feed cup	680 ml
Nozzle	1.5 mm
Working pressure	2 - 2.5 bar
Air consumption	200 - 270 l
Weight	0.92 kg

Accessories	Art. no.
Nozzle set 1.3 mm	2101713
Nozzle set 1.5 mm	2101715
Nozzle set 1.7 mm	2101717
Nozzle set 1.9 mm	2101719
Nozzle set 2.2 mm	2101722
Nozzle set 2.5 mm	2101725
Spare gravity feed cup	2101701
Paint filter (PU10 pcs.)	2101703
Repair kit	2101730



Repair kit HVLP PRO



Paint filter (PU 10 pcs.)

Inline pressure controller with pressure gauge

- ▶ For exact control of the air pressured directly at the gun



Model	Pressure regulator
Art. no.	2101910

Technical Data

Connecting thread:	1/4" IT
Inlet side	
Connecting thread:	1/4" OT
Outlet side	

Inline water trap

- ▶ For direction connection to the gun
- ▶ Dry air even with long air lines



Model	Water separator
Art. no.	2311900

Technical Data

Connecting thread:	1/4" IT
Inlet side	
Connecting thread:	1/4" OT
Outlet side	

Funnel spray gun TS PRO

- ▶ This enables processing of pebble dash and fibre-based plaster as well as chips, sequins, flock or similar materials with only one gun.
- ▶ Allows processing of ceilings and flooring thanks to a 45° angle
- ▶ The air volume can be optimally adjusted to match the material thickness with the mini ball valve.

Model	TS PRO
Art. no.	2101800

Technical Data

Funnel volume	5 l
Nozzle	4.5/6/8/15/18 mm
Working pressure	5 bar
Air consumption	225 l/min
Weight	1.3 kg
Dimensions	250 x 235 x 475 mm

Scope of supply TS PRO

3 nozzles for plasters (nozzle Ø: 4.5/6.0/8.0 mm)
2 nozzles for chips (nozzle Ø: 15/18 mm)
1 45° bend
1 cannula for chips



Blow cleaning

Blow guns

- The right blow gun for your application in production, the workshop, for the car or around the home
- For quick cleaning, even in those hard to reach places

- Different versions available, tailored to the respective application area
- PRO models for professional use
- All blowguns including coupling plug

Blow gun with solid plastic housing:

- Avoids cold hands thanks to impact-proof plastic body
- Patented valve technology
- Infinitely variable control of the air flow thanks to long trigger
- Low weight

Blow gun short BPK

- Handy, robust aluminium design



Model	BPK
Art. no.	2112100
PU	10
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Max. inlet pressure	6 bar
Weight	0.18 kg
Air connection	1/4 "

Blow gun long BPL

- Handy, robust aluminium design



Model	BPL
Art. no.	2112110
PU	10
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle tube length	160 mm
Nozzle tube outer diameter	6 mm
Max. inlet pressure	6 bar
Weight	0.22 kg
Air connection	1/4 "

Blow gun BP PRO-E

- Dosing via anodised trigger
- Gun shaped out of forged aluminium



Model	BP PRO-E
Art. no.	2102180
PU	5
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle Ø	1.5 mm
Nozzle thread	M12 x 1.25
Weight	0.19 kg

Blow gun BPI PRO

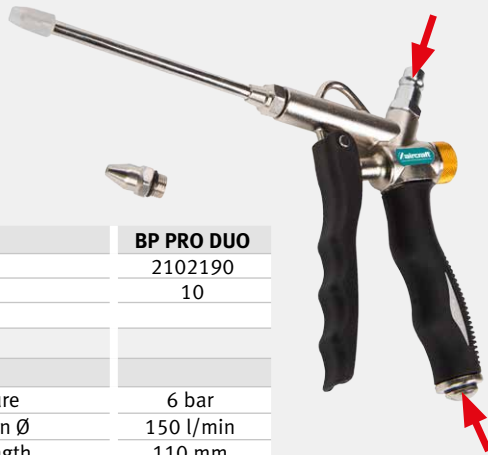
- With injector nozzle, 100% higher air flow thanks to venturi tube



Model	BPI PRO
Art. no.	2102170
PU	5
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Working pressure	1.0 - 6.0 bar
Weight	0.27 kg

Blow gun short BPK

- ▶ Aluminium body with rubber coating to prevent air flow chill
- ▶ Including interchangeable long nozzle (112 mm) and short nozzle
- ▶ Connection options for the air inlet from the top or bottom for easy connection to the gun and to avoid hose tangle
- ▶ Fine dosing of the air volume via trigger and adjusting screw
- ▶ Long trigger for easy and controlled operation



Model	BP PRO DUO
Art. no.	2102190
PU	10

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle tube length	110 mm
Nozzle tube outer diameter	6 mm
Max. inlet pressure	10 bar
Weight	0.20 kg

- ▶ Hose connection possible at top and bottom
- ▶ No hose tangle

Blow gun BP PRO SET

- ▶ With three-part nozzle set: Fan nozzle for cleaning large surfaces, extension nozzle for blowing out those hard to reach places and venturi tube to increase the air flow by up to 100%
- ▶ With solid plastic housing



Model	BP PRO SET
Art. no.	2112140

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Max. inlet pressure	11 bar
Weight	0.17 kg

Nozzle set for blow gun, 5-part

- ▶ Adapter, venturi tube, fan nozzle, ball pumping nozzle, rubber nozzle Ø 35mm
- ▶ Suitable for BP PRO DUO (2102190) and BP PRO (2112140)



Model	Nozzle set
Art. no.	2102192

Suction/blow gun SBP

New

- ▶ In a handy plastic case
- ▶ Suitable for vacuuming and blow cleaning surfaces
- ▶ With a flexible, extensible hose



Model	SBP
Art. no.	2102100

Technical Data	
Air consumption Ø	150 l/min
Working pressure	6.3 bar
Vibration	0.4 m/s²
Sound pressure level	97 dB(A)
Length	145 mm
Air connection	1/4"

Protective shield for blow guns BP PRO

- ▶ Perfect for blowing out blind holes
- ▶ Avoids backlash from swarf, coolant etc.
- ▶ Matches nozzle tube outer diameter 6 mm

Can be used with:

Model	Protective shield
Art. no.	2112150
	2102190
	2112120
	2112121
	2112122
	2112127
	2112128
	2112130
Technical Data	
External Ø	100 mm
Weight	0.03 kg



Blow gun BPS Soft PRO

- ▶ Handy blow-out gun for easy blow cleaning tasks
- ▶ Activated by slight pressure to the gun tip
- ▶ Air rate adjustable through actuation pressure

Model	BPS Soft PRO
Art. no.	2102130
PU	5



Blow pen BST

New

- ▶ Rubberised injector protects against surface damage
- ▶ With attachment clip · airflow adjustable by twisting
- ▶ Connects directly to quick coupling
- ▶ Practical compact design

Model	BST
Art. no.	2112115

Technical Data	
Nozzle aperture	2 mm
Air consumption Ø	150 l/min
Working pressure	6 bar
Max. inlet pressure	12 bar



Blow cleaning

Blow guns

- ▶ The right blow gun for your application in production, the workshop, for the car or around the home
- ▶ For quick cleaning, even in those hard to reach places

- ▶ Different versions available, tailored to the respective application area
- ▶ PRO models for professional use
- ▶ All blowguns including coupling plug

Blow gun with solid plastic housing:

- ▶ Avoids cold hands thanks to impact-proof plastic body
- ▶ Patented valve technology
- ▶ Infinitely variable control of the air flow thanks to long trigger
- ▶ Low weight

Blow gun BP PRO V (PU 5)

- ▶ Approx. 100% higher air flow through the venturi tube
- ▶ Infinitely variable control of the air flow thanks to long trigger
- ▶ With solid plastic housing



Model	BP PRO V
Art. no.	2112122
PU	5

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle tube outer diameter	6 mm
Max. inlet pressure	11 bar
Weight	0.15 kg

Blow gun BP PRO SIL

- ▶ With Star-Tip nozzle for ideal vaporisation
- ▶ Meets OSHA standards
- ▶ With solid plastic housing



Model	BP PRO SIL
Art. no.	2112127

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle tube outer diameter	6 mm
Noise level	77 dB(A)
Max. inlet pressure	11 bar
Weight	0.15 kg

Blow gun BP PRO SAFE

- ▶ The output pressure is restricted to under 2 bar upon contact with the surface
- ▶ Reduces the risk of injury
- ▶ With solid plastic housing



Model	BP PRO SAFE
Art. no.	2112128

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Nozzle tube outer diameter	6 mm
Max. inlet pressure	11 bar
Weight	0.14 kg

Blow gun kit BP PRO

- ▶ Perfectly suited for sensitive surfaces
- ▶ Nozzle tip with removable rubber jacket prevents scratches
- ▶ With solid plastic housing



Model	BP PRO
Art. no.	2112120

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Max. inlet pressure	11 bar
Weight	0.14 kg

Blow gun BP PRO G

- ▶ Perfectly suited for sensitive surfaces
- ▶ Nozzle tip with removable rubber jacket prevents scratches
- ▶ With solid plastic housing



Model	BP PRO G
Art. no.	2112121
PU	5

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Max. inlet pressure	11 bar
Weight	0.14 kg

Blow gun BP PRO R

- ▶ With adjustment screw for setting the maximum airflow
- ▶ Perfectly suited for sensitive surfaces
- ▶ Nozzle tip with removable rubber jacket prevents scratches
- ▶ With solid plastic housing



With adjustment screw

Model	BP PRO R
Art. no.	2112130
PU	5

Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Max. inlet pressure	11 bar
Weight	0.14 kg

Replaceable rubber nozzles

- Rubber push-on nozzles for use with sensitive components
- Suitable for checking pipes for leaks

- For pushing onto nozzle pipes with an outside diameter of 6 mm

Can be used with:

2102190, 2112120, 2112121, 2112122
2112127, 2112128, 2112130



Model	Rubber nozzle 12 mm
Art. no.	2112142
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Inlet pressure	11 bar



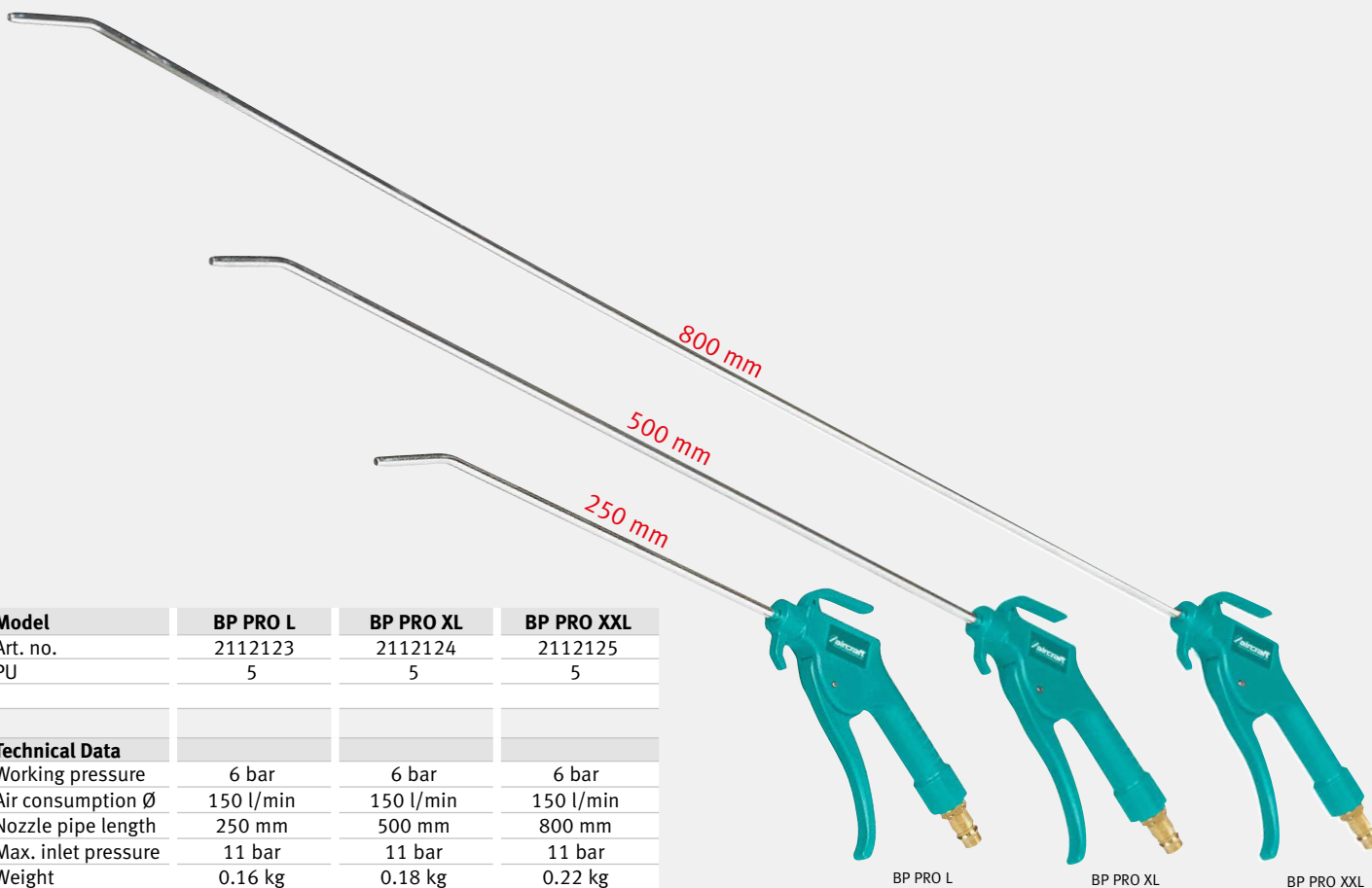
Model	Rubber nozzle 25 mm
Art. no.	2112143
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Inlet pressure	11 bar



Model	Rubber nozzle 35 mm
Art. no.	2112144
Technical Data	
Working pressure	6 bar
Air consumption Ø	150 l/min
Inlet pressure	11 bar

Blow gun BP PRO

- For hard to reach places
- With solid plastic housing



Model	BP PRO L	BP PRO XL	BP PRO XXL
Art. no.	2112123	2112124	2112125
PU	5	5	5
Technical Data			
Working pressure	6 bar	6 bar	6 bar
Air consumption Ø	150 l/min	150 l/min	150 l/min
Nozzle pipe length	250 mm	500 mm	800 mm
Max. inlet pressure	11 bar	11 bar	11 bar
Weight	0.16 kg	0.18 kg	0.22 kg

BP PRO L

BP PRO XL

BP PRO XXL

Tyre inflation measuring devices / Compressed air kits

Tyre inflator and pressure gauge

- ▶ For checking and inflating tyres
- ▶ Standard and calibrated type

Tyre inflator and pressure gauge SD/ SD-G

- ▶ With quick coupling
- ▶ SD-G calibrated



SD / SD-G (fig. shows calibrated type SD-G)

Model	SD	SD-G
Art. no.	2102300	2102350
Technical Data		
Working pressure	max. 8 bar	max. 10 bar
Measuring range	0 - 8 bar	0 - 10 bar
Weight	0.39 kg	0.39 kg
Accessories		Art. no.
Spare pressure gauge Ø 63 mm		2102302
Spare pressure gauge Ø 63 mm calibration capable		2102351
Spare hose for tyre inflator		2102304
Quick coupling		2102301

Tyre inflator and pressure gauge PRO E

- ▶ Suitable for (nitrogen) tyre gas
- ▶ Professional type with rocker arm connector
- ▶ Ergonomically shaped with grip body made of high-strength plastic material
- ▶ High-quality precisely readable pressure gauge



Model	PRO E
Art. no.	2102700
Technical Data	
Working pressure	max. 10 bar
Measuring range	0 - 10 bar
Pressure gauge Ø	63 mm
Weight	0.47 kg

Accessories		Art. no.
Spare pressure gauge Ø 80 mm		2102701
calibration capable		

Tyre inflator and pressure gauge PRO/PRO-G

- ▶ Professional type
- ▶ With quick coupling
- ▶ High-quality precisely readable pressure gauge
- ▶ PRO-G, calibrated



PRO / PRO-G

Model	PRO	PRO-G
Art. no.	2102500	2102600
Technical Data		
Working pressure	max. 12 bar	max. 12 bar
Measuring range	0 - 10 bar	0 - 10 bar
Pressure gauge Ø	80 mm	80 mm
Weight	0.60 kg	0.58 kg

Accessories		Art. no.
Spare pressure gauge Ø 80 mm		2102601
calibration capable		
Quick coupling		2102301

Tyre inflator and pressure gauge PRO-G COMPACT

- ▶ Calibrated
- ▶ Suitable for (nitrogen) tyre gas
- ▶ Compact professional design, aluminium with lever connector
- ▶ High quality, excess pressure protected gauge with metal housing Ø 63 mm



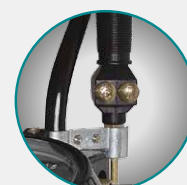
Model	PRO-G
Art. no.	2103010
Technical Data	
Measuring range	0 - 10 bar
Working pressure	max. 10 bar
Weight	0.60 kg
Accessories	Art. no.
Pressure gauge Ø 63 mm calibration capable	2103011

Portable upright inflator/pressure gauge SFM-G

- ▶ The perfect device for mobile tyre inflation service
- ▶ With easy single-handed operation using the "Plus-Minus handle"
- ▶ With inclined, large pressure gauge for optimum readability
- ▶ Offset double-sided filling station connector for all tyre valves with valve thread VT 8 (passenger cars, trucks and motorcycles)
- ▶ Location independent thanks to built-in air tank
- ▶ Automatic refilling when the tank is reattached
- ▶ Air tank with filling valve (approved as gas pressure vessel)
- ▶ Calibrated version
- ▶ Including double-sided connector for filling stations with double connector for twin tyres
- ▶ Excess pressure protected up to 16 bar

Calibrated

Model	SFM-G
Art. no.	2102860
Technical Data	
Working pressure	max. 10 bar
Air tank capacity	6 l
Filling pressure tank	16 bar
Secondary scale	0 - 140 psi
Operating temperature	-10 to +60 °C
Weight	7.1 kg



Easy single-handed operation via "Plus-Minus handle"



Filling valve

Model	Filling valve
Art. no.	2102861
Technical Data	
Connection	T 1/2"

Tyre inflator and pressure gauge PRO-G H / PRO-G DUO

- Suitable for (nitrogen) tyre gas
- Particularly robust professional design for filling stations and garages
- High quality pressure gauge, excess pressure protected in horizontal use position
- Including double scale manometer for two reading ranges

PRO-G H

- With lever type connector

PRO-G DUO

- Universal offset double-sided filling station connector (also for twin-tyres and motorcycle tyres)



XL hose with lever connector

Model	PRO-G H	PRO-G DUO
Art. no.	2102800	2102850

Technical Data

Working pressure	max. 10 bar	max. 12 bar
Measuring range	0 - 12 bar	0 - 12 bar
Pressure gauge Ø	80 mm	80 mm
Weight	0.9 kg	1.00 kg

Accessories

Art. no.

Spare pressure gauge Ø 80 mm 2102801

XL hose with lever connector

Hose length 2500 mm,
connection 1/2" OT 2102804



Twin connector (PU 5)

- With rubber grip and double-sided plug-in valve



Twin connector

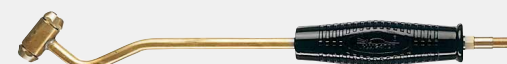
Art. no. 2102605

Technical Data

Hose barb	6 mm
Weight	0.14 kg

Filling station connector stations PRO DUO

- Plugs onto lever or torque type connector
- Curved version



Filling station connector stations PRO DUO

Art. no. 2102803

Lever type connector

- Including hose clamp and captive valve pins
- Hose barb 6 mm



Lever type connector

Art. no. 2102802

Adapter kit (PU 10)

- Bicycle valve adapter, narrow nozzle, wide nozzle for bicycles, balls, inflatable boats, air beds



Adapter kit (PU 10)

Art. no. 2102900

Compressed air kits

Quality compressed air set entry-level 6-part

- Consisting of: 1 Blow gun, 1 tyre inflator SD, 1 premium polyurethane spiral hose, 1 3-piece adapter set

Model	6-part
Art. no.	2102006



Quality compressed air set 7-part

- Consisting of: 1 Blow gun short, 1 tyre inflator SD, 1 premium polyurethane spiral hose, 1 3-piece adapter set, 1 paint spraying gun

Model	7-part
Art. no.	2102007



Quality compressed air set 8-part

- Consisting of: 1 Blow gun short, 1 tyre inflator SD, 1 premium polyurethane spiral hose, 1 3-piece adapter set, 1 paint spraying gun, 1 spray gun

Model	8-part
Art. no.	2102008



Tyre replacement set 11-part

- Consisting of: Tyre inflator/pressure gauge, blow gun, spiral hose 5 m, 3-part adapter kit, 3x 1/2" sockets for impact driving tool (17/19/21 mm), oil bottle in rugged plastic case



Model	Tyre replacement set 11-part
Art. no.	2400100

Caulking guns/Grease guns/Spray guns

Cartridge guns and silicone applicators

Cartridge gun KP

- ▶ For commercially available cartridges
- ▶ With quick ventilation, no material drips
- ▶ Only works with cartridge



Model	KP
Art. no.	2102250
Technical Data	
Air consumption	50 l/min
Working pressure	approx. 1.5 - 2.5 bar
Weight	0.5 kg

Cartridge gun KP-R

- ▶ For commercially available cartridges
- ▶ With quick ventilation, no material drips
- ▶ Continuously adjustable for correct dosing of material
- ▶ Cartridge container can be rotated



Model	KP-R
Art. no.	2102260
Technical Data	
Air consumption	60 l/min
Working pressure	approx. 1.5 - 2.5 bar
Weight	0.56 kg

Cartridge gun KP PRO

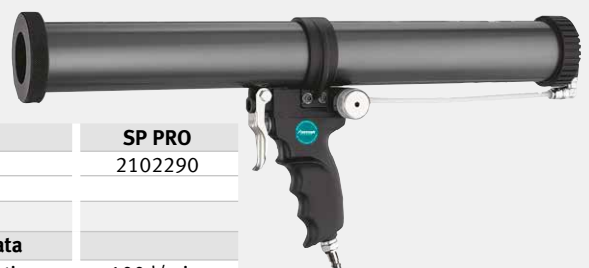
- ▶ For commercially available cartridges
- ▶ With quick ventilation, no material drips
- ▶ Continuously variable



Model	KP PRO
Art. no.	2102270
Technical Data	
Air consumption	100 l/min
Working pressure	8 bar
Weight	1.04 kg

Silicone applicator SP PRO

- ▶ With quick ventilation, no material drips
- ▶ Continuously variable
- ▶ For material bags up to 600 ml



Model	SP PRO
Art. no.	2102290
Technical Data	
Air consumption	100 l/min
Working pressure	8 bar
Weight	1.32 kg

Spray guns / Underbody protection gun

Spray gun aluminium SPA

- ▶ For spraying cold cleaners, cleaning agents and spray oils
- ▶ With bayonet closure



Model	Alu SPA
Art. no.	2102200
Technical Data	
Aluminium tank	1000 ml
Air consumption	200 l/min
Working pressure	4 - 6 bar
Weight	0.46 kg

Spray gun aluminium SPA-R

- ▶ For spraying cold cleaners, cleaning agents and spray oils
- ▶ With bayonet closure



Model	SPA-R
Art. no.	2102220
Technical Data	
Aluminium tank	1000 ml
Air consumption	120 - 220 l/min
Working pressure	3 - 6 bar
Weight	0.68 kg

Spray gun SPK

- ▶ For spraying cold cleaners, cleaning agents and spray oils
- ▶ With 360° swivelling spray tube
- ▶ Including nozzle Ø 3 mm and adjustable jet



Model	SPK
Art. no.	2103000
Technical Data	
Plastic tank	700 ml
Air consumption	160 l/min
Working pressure	2 - 6 bar
Weight	0.85 kg
Accessories Art. no.	
Cork seal	2103001



Grease gun kits

Dump valve for grease guns

- ▶ For simple bleeding of grease guns
- ▶ For fast work without interruptions

Art. no.

2102247



Grease gun set FPS PRO

- ▶ For commercially available 400 g DIN cartridges or direct filling
- ▶ Manual type: Pumping of grease due to each actuating of the pull-off
- ▶ With nozzle pipe, flexible hose and hydraulic tip



Model	FPS PRO
Art. no.	2102230

Technical Data	
Air consumption	0.4 l/Stroke
Working pressure	2 - 8 bar
Pressure ratio	1:40
Weight	1.5 kg

Grease gun kit FPS PRO automatic

- ▶ For commercially available 400 g DIN cartridges or direct filling
- ▶ Automatic type: Grease is pressed out in impacts as long as the pull-off is pushed.
- ▶ 400 mm connection hose for hard to reach places



Model	FPS PRO automatic
Art. no.	2102240

Technical Data	
Air consumption	0.4 l/Stroke
Working pressure	2 - 8 bar
Pressure ratio	1:40
Weight	1.6 kg

Grease gun set FPS PRO D

- ▶ For commercially available 400 g DIN cartridges or direct filling
- ▶ Automatic type: Grease is pressed out in impacts as long as the pull-off is pushed.
- ▶ 400 mm connection hose for hard to reach places
- ▶ For hard-to-reach lubrication points, the container can also be rotated through 360°
- ▶ With special bleeder valve: Air inclusions can be bled quickly and easily using this valve



Model	FPS PRO D
Art. no.	2102245

Technical Data	
Air consumption	0.4 l/Stroke
Working pressure	2 - 8 bar
Pressure ratio	1:40
Weight	1.6 kg

Cleaning gun RP

- ▶ Cleaning gun for fast, gentle and thorough cleaning of various materials such as fabrics, glass, metal, plastic, painted surfaces... achieve best effect
- ▶ Rotating nozzle type spray gun
- ▶ Wet and dry application possible
- ▶ Atomises the detergent to continuously adjustable cleaning agent dosing
- ▶ Easy to use



Model	RP
Art. no.	2102210

Technical Data	
Speed	6000 rpm
Tank volume	900 ml
Working pressure	6.3 bar
Air consumption	approx. 200 l/min
Weight	0.9 kg

Underbody protection gun UHP PRO

- ▶ For underbody and cavity sealing
- ▶ With wide riser tube for viscose material
- ▶ For commercial cans with 40 mm cord thread



Model	UHP PRO
Art. no.	2104150

Technical Data	
Spray hose	550 mm
Working pressure	4 - 6 bar
Air consumption	120 - 180 l
Weight	0.40 kg

Sandblasting guns

Sandblasting guns

Mini sandblasting gun MSP

- Ideal for spot repairs in automotive applications, refurbishing work in case of stone impact and flash rust
- Suitable for selective processing of small areas
- Ideally suited for engraving, roughing and cleaning of various materials such as painted body parts, glass, or plastic surfaces
- Very gentle on the substrate material

Scope of supply:

Blasting material tank made of light plastic, 200 g aluminium oxide in plastic container with lid, propellant can adapter with adjusting screw, connector adapter 1/4" IT, 1.5 m air hose for ease of movement



Model	MSP
Art. no.	2103050

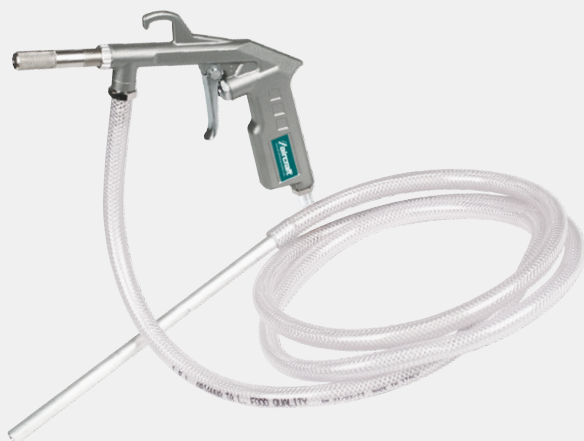
Technical Data	
Air consumption	approx. 200 l/min
Working pressure	2 - 2.5 bar

Accessories	Art. no.
Spare nozzle	2103051
► Sandblasting medium 200 g aluminium oxide in glass	2103053

Sandblasting medium

Sand blasting gun SPS

- Allows suction of abrasive material from external containers



Model	SPS
Art. no.	2103300

Technical Data	
Working pressure	4 - 8 bar
Air consumption	250 - 400 l/min
Nozzle diameter	6 mm
Weight	0.48 kg

Accessories	Art. no.
Spare nozzle	2103101

Sandblasting gun SPB

- Hardened special nozzle including suction cup 1 l



Model	SPB
Art. no.	2103100

Technical Data	
Working pressure	4 - 8 bar
Air consumption	250 - 300 l
Nozzle diameter	6 mm
Weight	0.50 kg

Accessories	Art. no.
Spare nozzle	2103101

Sand blasting gun SPS

- For blasting media up to 0.8 mm grain size
- Including suction hose, length 170 cm, ID 18 mm / OD 24 mm

Scope of supply:

Hardened jet nozzle 6 mm



Model	SPS PRO
Art. no.	2103550

Technical Data	
Working pressure	5 - 8 bar
Air consumption	320 - 420 l/min
Connection	1/4"
Weight	1.2 kg

Accessories	Art. no.
Spare nozzle hardened 6 mm	2103551
Spare nozzle hardened 8 mm	2103552

Professional impact driving tool in lightweight, composite design with powerful torque for car repair shops, builders and trades, industry

Impact driving tool Komposit 1/2" Compact PRO

- ▶ High-performance driving tool with composite housing made of impact-proof plastic material
- ▶ Low-vibration, cold-insulated handle
- ▶ Very lightweight and compact design and maximum power
- ▶ Tightening torque adjustable in 3 stages
- ▶ Exhaust air ducting via handle, prevents brake dust raising
- ▶ For tyre replacement, repairs and assembly work
- ▶ High-performance dual impact mechanism



Starting torque adjustable in 3-stages

Komposit 1/2" C



Model	1/2" Compact PRO
Art. no.	2401400
Technical Data	
Air consumption	approx. 420 l/min
Working pressure	6.3 bar
Chuck	1/2"
Connection	1/4"
Torque	
- Anticlockwise rotation	max. 540 Nm
- Clockwise rotation	230/360/430 Nm
Weight	1.2 kg

Impact driving tool Komposit 1/2" PRO

- ▶ High-performance driving tool with composite housing made of impact-proof plastic material
- ▶ Low-vibration, cold-insulated handle
- ▶ Very lightweight and compact design and maximum power
- ▶ Tightening torque adjustable in 3 stages
- ▶ Exhaust air ducting via handle, prevents brake dust raising
- ▶ For tyre replacement, repairs and assembly work
- ▶ High-performance dual impact mechanism



Starting torque adjustable in 3-stages

Komposit 1/2"



Model	1/2" PRO
Art. no.	2401420
Technical Data	
Air consumption	approx. 408 l/min
Working pressure	6.3 bar
Chuck	1/2"
Connection	1/4"
Torque	
- Anticlockwise rotation	max. 1,080 Nm
- Clockwise rotation	245/650/800 Nm
Weight	2.2 kg

Impact driving tool Komposit 3/4" PRO

- ▶ High-performance driving tool with composite housing made of impact-proof plastic material
- ▶ Low-vibration, cold-insulated handle
- ▶ Very lightweight and compact design and maximum power
- ▶ Tightening torque adjustable in 3 stages
- ▶ Exhaust air ducting via handle, prevents brake dust raising
- ▶ For tyre replacement, repairs and assembly work
- ▶ Rugged, durable roller impact mechanism



Starting torque adjustable in 3-stages

Komposit 3/4"



Model	3/4" PRO
Art. no.	2401440
Technical Data	
Air consumption	approx. 510 l/min
Working pressure	6.3 bar
Chuck	3/4"
Connection	3/8"
Torque	
- Anticlockwise rotation	max. 1,620 Nm
- Clockwise rotation	338/1,016/1,350 Nm
Weight	3.8 kg

Impact driving tool Komposit 1" PRO

- ▶ High-performance driving tool with composite housing made of impact-proof plastic material
- ▶ Low-vibration, cold-insulated handle
- ▶ Very lightweight and compact design and maximum power
- ▶ Tightening torque adjustable in 3 stages
- ▶ Exhaust air ducting via handle, prevents brake dust raising
- ▶ For tyre replacement, repairs and assembly work
- ▶ Rugged, durable roller impact mechanism
- ▶ 200 mm spindle with handle



Starting torque adjustable in 3-stages

Komposit 1"



Model	1" PRO
Art. no.	2401450
Technical Data	
Air consumption	approx. 522 l/min
Working pressure	6.3 bar
Chuck	1"
Connection	3/8"
Torque	
- Anticlockwise rotation	max. 1,620 Nm
- Clockwise rotation	338/1,016/1,350 Nm
Weight	5.0 kg

Industrial impact screw driver

New

Industrial impact driving tool 1/2"

- ▶ Proven standard impact driving tool
- ▶ For tough work in automotive applications, on

- assembly lines and in agriculture
- ▶ Exhaust air ducting via handle – prevents

- brake dust raising
- ▶ Low vibration

Industrial impact driving tool 1/2" Super Mini Set

- ▶ Single-handed operation
- ▶ Extremely short design: only 99 mm

Incl. extra short impact driver sockets (14, 15, 16, 17, 19, 21, 22, 24) in a practical plastic case

Model	New IS 1/2" Super Mini Set
Art. no.	2401208
Technical Data	
Air consumption	approx. 420 l/min
Working pressure	6.3 bar
Chuck	1/2" Square
Connection	1/4"
Torque	
- Anticlockwise rotation	255, 480, 680 Nm
- Clockwise rotation	250, 470, 610 Nm
Weight	1.4 kg



Torque:
Anti-clockwise rotation:
255, 480, 680 Nm
Clockwise rotation:
250, 470, 610 Nm

Industrial impact driving tool IS 1/2" Mini

- ▶ Single-handed operation
- ▶ Composite material: light and cold insulating
- ▶ Very short design
- ▶ Length 120 mm

Model	New IS 1/2" Mini
Art. no.	2401213
Technical Data	
Air consumption	approx. 420 l/min
Working pressure	6.3 bar
Chuck	1/2" Square
Connection	1/4"
Torque	
- Anticlockwise rotation	max. 850 Nm
- Clockwise rotation	300, 530, 830 Nm
Weight	1.19 kg



Torque:
Anti-clockwise rotation:
max. 850 Nm
Clockwise rotation:
(adjustable in 3-stages)
300, 530, 830 Nm

Industrial impact driving tool IS 1/2" Mini DP

- ▶ Hammer mechanism: Jumbo hammer
- ▶ Easy operation thanks to lateral double throw switch
- ▶ Torque set via adjustment wheel on operating button
- ▶ Rotating air connection – avoids kinking of the air hose
- ▶ Composite material: light and cold insulating
- ▶ Very short design
- ▶ "Soft start" function
- ▶ Hook for fastening on a spring balancer
- ▶ Length 112 mm

Model	New IS 1/2" Mini DP
Art. no.	2401362
Technical Data	
Air consumption	approx. 420 l/min
Working pressure	max. 6.3 bar
Chuck	1/2" Square
Connection	1/4"
Torque	
- Anticlockwise rotation	678 Nm
- Clockwise rotation	290, 440, 580 Nm
Weight	1.16 kg



① Lateral double throw switch
② Torque set via adjustment wheel on operating button

Industrial impact driving tool IS 1/2" DP

- ▶ Mechanism: Double hammer
- ▶ Easy operation thanks to lateral double throw switch
- ▶ Torque set via adjustment wheel on operating button
- ▶ Rotating air connection – avoids kinking of the air hose
- ▶ Composite material: light and cold insulating
- ▶ "Soft start" function

Model	New IS 1/2" DP
Art. no.	2401364
Technical Data	
Air consumption	approx. 450 l/min
Working pressure	max. 6.3 bar
Chuck	1/2" Square
Connection	1/4"
Torque	
- Anticlockwise rotation	max. 1085 Nm
- Clockwise rotation	460, 690, 920 Nm
Weight	2.0 kg



① Lateral double throw switch
② Torque set via adjustment wheel on operating button

Industrial impact driving tool IS 3/4" DP

- ▶ Exhaust air ducting via handle – prevents brake dust raising
- ▶ Easy operation thanks to lateral double throw switch
- ▶ Torque set via adjustment wheel on operating button
- ▶ Rotating air connection – avoids kinking of the air hose
- ▶ Composite material: light and cold insulating
- ▶ Low vibration
- ▶ "Soft start" function

Model	New IS 3/4" DP
Art. no.	2401366
Technical Data	
Air consumption	approx. 504 l/min
Working pressure	max. 6.3 bar
Chuck	3/4" Square
Connection	3/8"
Torque	
- Anticlockwise rotation	max. 1898 Nm
- Clockwise rotation	815, 1220, 1630 Nm
Weight	3.3 kg



① Lateral double throw switch
② Torque set via adjustment wheel on operating button

Industrial impact driving tool IS 1" DP

- ▶ For tough applications in the automotive sector on trucks, buses, for forwarding companies, etc.
- ▶ Exhaust air ducting via handle – prevents brake dust raising
- ▶ Rotating air connection – avoids kinking of the air hose
- ▶ Low vibration
- ▶ Composite material: light and cold insulating
- ▶ "Soft start" function
- ▶ Mechanism: Double hammer

Model	New IS 1" DP
Art. no.	2401368
Technical Data	
Air consumption	approx. 504 l/min
Working pressure	max. 6.3 bar
Chuck	1" Square
Connection	3/8"
Torque	
- Anticlockwise rotation	max. 1898 Nm
- Clockwise rotation	815, 1220, 1630 Nm
Weight	3.4 kg



① Lateral double throw switch
② Torque set via adjustment wheel on operating button

Industrial impact driving tool 3/4"

- ▶ Proven standard impact driving tool
- ▶ For tough work in automotive applications, on assembly lines and in agriculture

Industrial impact driving tool IS 3/4" Komposit

- ▶ Handy, impact driving tool with impact-proof composite housing
- ▶ With dual-hammer impact mechanism for rapid torque build-up
- ▶ Exhaust air ducting via handle, prevents brake dust raising



Model	IS 3/4" Komposit
Art. no.	2401260

Technical Data	
Air consumption	approx. 510 l/min
Working pressure	max. 6.3 bar
Chuck	3/4" Square
Connection	3/8"
Torque	max. 1220 Nm
- Anticlockwise rotation	adjustable in
- Clockwise rotation	3-stages
Weight	3.2 kg

Industrial impact screw driver IS 3/4" PRO

- ▶ Impact force for clockwise/anti-clockwise rotation separately adjustable in six stages



Model	IS 3/4" PRO
Art. no.	2401250

Technical Data	
Air consumption	approx. 450 l/min
Working pressure	max. 6.3 bar
Chuck	3/4" Square
Connection	1/4"
Torque	approx. 1,220 Nm
Weight	5.6 kg

Industrial impact screw driver 1"

- ▶ Proven standard impact driving tool with dual-hammer impact for rapid torque build-up
- ▶ Torque adjustable in three stages for clockwise and anti-clockwise action
- ▶ For tough applications in the automotive sector on trucks, buses, for forwarding companies, etc.

Industrial impact driving tools 1" PRO



Model	IS 1" PRO
Art. no.	2401310

Technical Data	
Air consumption	approx. 570 l/min
Working pressure	max. 6.3 bar
Chuck	1" Square
Connection	1/2"
Torque	
- Anticlockwise rotation	3600 rpm
- Clockwise rotation	max. 2,800 Nm
Weight	18 kg

Industrial impact driving tools 1" PRO Duo

- ▶ 200 mm spindle
- ▶ Extra-light design



Model	IS 1" PRO Duo
Art. no.	2401350

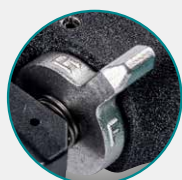
Technical Data	
Air consumption	approx. 558 l/min
Working pressure	max. 6.3 bar
Chuck	1" Square
Connection	1/2"
Torque	3,000 Nm
Weight	10.6 kg

Impact driving tool sets

Impact driving tool sets

Impact driving tool set 1/4"

- ▶ Lightweight and handy with 4-stage torque adjustment
- ▶ Perfect for loosening tight bolts and glow plugs-
- ▶ Tear-off can be avoided to a great extent due to the adjustable torque
- ▶ Single-hand operation for switch-over from anti-clockwise/clockwise rotation
- ▶ Air ducting via cold-insulated, rubber-coated handle.



Torque set at CCW/
CW control via double
throw switch on ope-
rating button.

Including 5 long sockets 8, 9, 10, 11,
12 mm, ball joint, extension

Model	Impact driving tool set 1/4"
Art. no.	2401050

Technical Data

Air consumption	approx. 300 l/min
Working pressure	6.3 bar
Chuck	1/4" Square
Connection	1/4"
Torque	10/20/30/40 Nm
Weight	0.9 kg



Torque set via
adjustment wheel

Impact driving tool set ISS Komposit 1/2"

- ▶ Handy and lightweight with impact-proof Komposit housing
- ▶ With dual-hammer impact mechanism for rapid torque build-up
- ▶ Air ducting through the handle

Komposit 1/2"



Including ten sockets:
9, 10, 11, 13, 14, 17, 19,
22, 24, 27 mm, extension
and inline oiler

Model	ISS 1/2" Komposit
Art. no.	2401220

Technical Data

Air consumption	approx. 420 l/min
Working pressure	6.3 bar
Chuck	1/2"
Connection	1/4"
Torque	
- Anticlockwise rotation	max. 600 Nm
- Clockwise rotation	180/560/600 Nm
Weight	2.1 kg



Torque adjustment

Impact driving tool set 1/2"

- ▶ Premium impact driving tool with hammer impact mechanism



Including ten sockets: 9, 10, 11,
13, 14, 17, 19, 22, 24, 27 mm,
extension and inline oiler

Model	Impact driving tool set 1/2"
Art. no.	2401100

Technical Data

Air consumption	approx. 360 l/min
Working pressure	6 bar
Chuck	1/2" Square
Connection	1/4"
Torque	320 Nm
Weight	2.2 kg



Torque set via
adjustment wheel

Impact driving tool set 1/2" Komposit PRO

- ▶ Lightweight and handy with 4-stage torque adjustment
- ▶ Perfect for loosening tight bolts and glow plugs-
- ▶ Tear-off can be avoided to a great extent due to the adjustable torque
- ▶ Single-hand operation for switch-over from anti-clockwise/clockwise rotation
- ▶ Air ducting via cold-insulated, rubber-coated handle.

Including ten sockets:
9, 10, 11, 13, 14, 17,
19, 22, 24, 27 mm,
extension and inline
oiler



Komposit

Model	1/2" Komposit PRO
Art. no.	2401430

Technical Data

Air consumption	approx. 408 l/min
Working pressure	6.3 bar
Chuck	1/2"
Connection	1/4"
Clockwise rotation	245/650/800 Nm
Anticlockwise rotation	max. 1,080 Nm
Weight	2.2 kg



Starting torque
adjustable in 3-stages

Accessories for impact driving tools

Impact driving tool sockets 1/2" long

- ▶ Reinforced type · hardened · in metal box
- Impact driving tool socket set 1/2" 10 pcs.**
▶ Sizes: 10, 11, 12, 13, 15, 17, 19, 21, 22, 24 mm



- Impact driving tool socket set 3/4" 8 pcs.**
▶ Sizes: 26, 27, 29, 30, 32, 35, 36, 38 mm



- Impact driving tool socket set 1" 7-part**
Sizes: 24, 27, 30, 32, 35, 36, 38 mm



Model	Impact driving tool socket set 1/2" 10-part	Impact driving tool socket set 3/4" 8-part	Impact driving tool socket set 1" 7-part
Art. no.	2400001	2400002	2400003

Impact driving tool sockets 1/2" long

- ▶ Plastic sheathed for alloy wheels
- ▶ Sizes: 17 / 19 / 21 mm
- ▶ Length 85 mm



Model	Impact driving tool sockets 1/2" long
Art. no.	2400010

Wall mount for impact driving tool

- ▶ Two powerful magnetic holders, holding force 10 kg



Wall mount
(Scope of delivery volume without impact driving tool and illustrated impact driving tool sockets)

Model	Wall mount for impact driving tool
Art. no.	2400050

Inline oilers

- ▶ Connection 1/4" IT/OT



Model	Inline oilers
Art. no.	2310010

Drilling machines

Drilling machines

- ▶ Robust industrial type
- ▶ With quick-action drill chuck
- ▶ Lightweight and compact design

Drilling machine BM R+L PRO

- ▶ Air ducting through the handle
- ▶ With anti-clockwise/clockwise rotation switch-over
- ▶ Quick-action drill chuck 3/8", 10 mm



Model	BM R+L PRO
Art. no.	2404100
Technical Data	
Air consumption	approx. 360 l/min
Working pressure	6 bar
Idle speed	approx. 1,800 rpm
Connection	1/4"
Weight	1.1 kg

- ▶ With rubberised, ergonomically shaped handle, cold-insulating, slip-proof and low vibration

BM 10 Komposit PRO

- ▶ Quick-action drill chuck 3/8", 1 – 10 mm
- ▶ Powerful dual-transmission for smooth running and a long service life
- ▶ With anti-clockwise/clockwise rotation switch-over



Model	BM 10 Komposit PRO
Art. no.	2404150
Technical Data	
Air consumption	approx. 460 l/min
Working pressure	max. 6.3 bar
Speed	approx. 1,800 rpm
Connection	1/4"
Weight	0.9 kg

- ▶ For production and workshop
- ▶ Komposit housing made of impact-proof plastic material

Angle drilling machine WB 10 PRO

- ▶ Quick-action drill chuck 3/8", 10 mm
- ▶ Powerful dual-transmission for smooth running and a long service life



Model	WB 10 PRO
Art. no.	2404190
Technical Data	
Air consumption	approx. 280 l/min
Working pressure	max. 6.3 bar
Idle speed	approx. 1,900 rpm
Connection	1/4"
Weight	1.1 kg

Drilling machine BM 13 Komposit PRO

- ▶ Quick-action drill chuck 1/2", 2 – 13 mm
- ▶ Powerful dual-transmission for smooth running and a long service life
- ▶ With anti-clockwise/clockwise rotation switch-over
- ▶ Low speed, thus also suitable for tools with a larger diameter (e.g., stirring tools)



Model	BM 13 Komposit PRO
Art. no.	2404170
Technical Data	
Air consumption	approx. 430 l/min
Working pressure	max. 6.3 bar
Connection	1/4"
Connection	450 rpm
Weight	1.4 kg

Drilling machine BM 13 HT

New

- ▶ High Performances
- ▶ Handle can be mounted on left or right
- ▶ Stable quick clamping chuck
- ▶ Comfortable cold-insulated handle
- ▶ Low vibration
- ▶ "Soft start" function
- ▶ Seat square: Quick clamping chuck 2 - 13 mm



Model	New BM 13 HT
Art. no.	2404180
Technical Data	
Air consumption	approx. 440 l/min
Working pressure	max. 6.3 bar
Torque	max. 0.7 PS
Connection	1/4"
Connection	700 rpm
Weight	1.3 kg



Handle can be mounted on left or right

Ratchet screwdrivers

- ▶ Rubber encased ratchet head for working with sensitive materials
- ▶ Ergonomic, plastic handle, non-slip, low

vibration and cold-protection (1/2" models)

- ▶ Simple adjustment of the sense of rotation at the ratchet head

Ratchet type screwdriver RS 1/4" PRO

- ▶ Small handy ratchet type screwdriver for tight spaces



Model	RS 1/4" PRO
Art. no.	2401500
Technical Data	
Air consumption	210 l/min
Speed	110 rpm
Torque	33 Nm
Working pressure	max. 6.3 bar
Chuck	1/4" Square
Connection	1/4"
Weight	0.5 kg

Ratchet type screwdriver RS 1/2" HT

- ▶ Very high torque
- ▶ For hard to reach places
- ▶ Compact design
- ▶ High torque thanks to integrated jumbo hammer impact mechanism
- ▶ Torque control on handle



Model	RS 1/2" HT
Art. no.	2401530
Technical Data	
Air consumption	90 l/min
Speed	110 rpm
Torque anti-clockwise rotation	max. 360 Nm
Clockwise rotation	345, 300 Nm
Working pressure	max. 6.3 bar
Chuck	1/2" Square
Connection	1/4"
Weight	0.5 kg

Air ratchet set RS 3/8" PRO

- ▶ Handy ratchet screwdriver handy for hard to reach places (only 140 mm length) with extensive accessories
- ▶ With bit socket
- ▶ Anticlockwise/clockwise rotation



Model	RS 3/8" PRO
Art. no.	2401505
Technical Data	
Air consumption	220 l/min
Speed	110 rpm
Torque	max. 27 Nm
Working pressure	6.3 bar
Chuck	3/8"
Connection	1/4"
Weight	0.4 kg

Ratchet type screwdriver RS 1/2" PRO

- ▶ Very powerful due to double drive in the ratchet head



Model	RS 1/2" PRO
Art. no.	2401520
Technical Data	
Air consumption	170 l/min
Speed	160 rpm
Torque	approx. 135 Nm
Working pressure	max. 6.3 bar
Chuck	1/2" Square
Connection	1/4"
Weight	1.2 kg

Air ratchet set LR S 1/2"

- ▶ With rotating connection
- ▶ With extensive accessories
- ▶ In a handy plastic case
- ▶ Anticlockwise/clockwise rotation



Model	LR S 1/2"
Art. no.	2401550
Technical Data	
Air consumption	390 l/min
Speed	160 rpm
Torque	approx. 60 Nm
Working pressure	6 bar
Chuck	1/2" Square
Connection	1/4"
Weight	1.2 kg

Ratchet screwdrivers RS W 1/2" PRO

- ▶ Handy ratchet screwdriver (Length: 256 mm) with +30° to -30° swivel head for working in hard to reach places



Model	RS W 1/2" PRO
Art. no.	2401510
Technical Data	
Air consumption	200 l/min
Speed	180 rpm
Torque	max. 68 Nm
Working pressure	6.3 bar
Chuck	1/2" Square
Connection	1/4"
Weight	0.93 kg

Torque wrenches/Angle grinders

Rotary wrenches

- ▶ Clockwise/anti-clockwise rotation with single-handed operation
- ▶ With hexagon socket chuck 1/4"
- ▶ Torque configurable via adjusting ring
- ▶ Low-noise thanks to exhaust air hose

Baton screwdriver ST PRO

- ▶ Straight type, ideal for assembly line work

Model	ST PRO
Art. no.	2404210
Technical Data	
Air consumption	approx. 300 l/min
Speed	1800 rpm
Torque	3-8 Nm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.9 kg



Pistol type driving tool PS PRO

- ▶ With rubberised handle, cold-insulated and vibration damped

Model	PS PRO
Art. no.	2404220
Technical Data	
Noise	80 dB
Air consumption	approx. 360 l/min
Speed	1650 rpm
Torque	1-12 Nm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.2 kg



Angle grinder

- ▶ For commercially available sanding discs up to Ø 125 mm
- ▶ Universally deployable for roughing and cutting

Angle grinder WS 125 PRO

- ▶ Handy and yet powerful model

Model	WS 125 PRO
Art. no.	2403470
Technical Data	
Air consumption	approx. 490 l/min
Working pressure	6.3 bar
Chuck	3/4" Square
Connection	1/4"
Speed	10,000 rpm
Weight	1.7 kg



Industrial angle grinders

- For commercially available sanding discs up to Ø 125 mm
- Universally deployable for roughing and cutting
- Extremely robust design for professional use

Industrial angle grinder IWS 125 PRO

- With ergonomic plastic handle, non-slip and low vibration
- With vibration-damping side handle as standard for less fatigue when working
- With quick change clamping nut and noise-insulation hose as standard
- With easy-to-use spindle lock
- Including safety lever to prevent unintentional switching on
- With practical protective hood adjustment
- With exhaust air outlet at rear as standard

Model	IWS 125 PRO
Art. no.	2403480

Technical Data

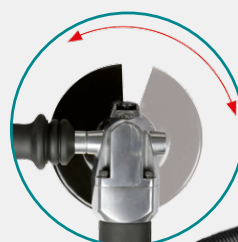
Air consumption	approx. 560 l/min
Working pressure	6.3 bar
Sanding disc Ø	125 mm
Sanding disc thickness	0.8 - 6 mm
Connection	1/4"
Speed	10,000 rpm
Weight	2 kg



Quick clamping nut



Vibration-damping side handle



Protective hood quick adjustment



Long neck angle grinder

- For sanding and grinding also in hard to reach places

Long neck angle grinder TWS PRO

- With speed control on handle
- With ergonomic plastic handle, non-slip and low vibration
- Including safety lever to prevent unintentional switching on
- With practical protective hood adjustment
- With air flow regulator in the handle
- Air outlet at rear

Model	TWS PRO
Art. no.	2403490

Technical Data

Air consumption	approx. 532 l/min
Working pressure	6.3 bar
Cutting disc Ø	100 mm
Connection	1/4"
Torque	17,000 rpm
Weight	1.8 kg



Protective hood quick adjustment through 126° with eight latching points



Long neck angle grinder TWS Super

New

- High performance for efficient work
- Speed control on handle
- Rotating air exhaust
- Safety control lever
- Cold-insulated, non-slip handle
- Very flat head, only 39 mm
- Protective hood quick adjustment
- Spindle detent allows for easy disc replacement
- Including operating tool
- For cutting discs 100 x 0.8 x 9.6 mm

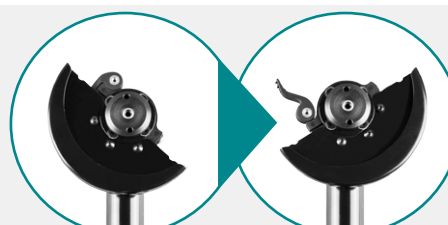
Model	New TWS Super
Art. no.	2403491

Technical Data

Air consumption	approx. 480 l/min
Working pressure	6.3 bar
Cutting disc Ø	100 mm
Connection	1/4"
Torque	14,000 rpm
Weight	1.4 kg



Extremely low gear head for working in very cramped positions



Protective hood quick adjustment



Speed control on handle



Accessories	PU	Art. no.
Cutting disc 100 mm x 0.8 mm x 9.6 mm	10	2403495

Universal remover

Universal remover set UE PRO

- ▶ For a variety of chassis cleaning tasks
- ▶ Including ergonomic, anti-skid and vibration-damped plastic handle
- ▶ Safety lever
- ▶ Including side handle

Scope of supply:

1 universal remover UE Pro

- ▶ 1 Carrier wheel 11 mm
- ▶ 1 Carrier wheel 23 mm
- ▶ 1 Wire brush belt fine 11 mm
- ▶ 1 Wire brush belt fine 23 mm
- ▶ 1 Wire brush belt fixed 11 mm
- ▶ 1 Wire brush belt fixed 23 mm
- ▶ 1 Eraser pad ochre

Model	UE PRO
Art. no.	2403800

Technical Data

Air consumption	approx. 532 l/min
Working pressure	6.3 bar
Connection	1/4"
Speed	3,500 rpm
Weight	1.4 kg



UE PRO

Fig. shows carrier wheel 23 mm with rubber eraser pad, ochre, mounted

Accessories included in set



Rubber eraser pad ochre



Wire brush belt coarse 23 mm

Carrier wheel

Carrier wheel 11 mm

- ▶ For holding wire brush belts of 11 mm width

Carrier wheel 23 mm

- ▶ For holding wire brush belts of 23 mm width and rubber eraser pads



Carrier wheel 11 mm



Carrier wheel 23 mm

Model	Carrier wheel 11 mm	Carrier wheel 23 mm
Art. no.	2403840	2403845

Special carrier wheel

Special carrier wheel for rough cleaning discs - single

- ▶ For one disc

Special carrier wheel for rough cleaning discs - single

- ▶ For two discs



Special carrier wheel for rough cleaning discs - single



Special carrier wheel for rough cleaning discs - single

Model	Special carrier wheel single	Special carrier wheel double
Art. no.	2403860	2403865

Wire brush belts fine

- ▶ Bristles straight, Ø 0.5 mm spring steel
- ▶ For rust removal and cleaning
- ▶ For paint removal



Wire brush belt fine 11 mm



Wire brush belt fine 23 mm

Model	Wire brush belt fine 11 mm	Wire brush belt fine 23 mm
Art. no.	2403820	2403825

Wire brush belts coarse

- ▶ Angled bristles, Ø 0.7 mm spring steel
- ▶ For coarse cleaning work
- ▶ For removing underbody protection and sealing compounds



Wire brush belt coarse 11 mm



Wire brush belt coarse 23 mm

Model	Wire brush belt coarse 11 mm	Wire brush belt coarse 23 mm
Art. no.	2403830	2403835

Rubber eraser disc

Rubber eraser pad ochre

- ▶ For removing films, stickers, adhesive tape, etc.

Rubber eraser disc grey

- ▶ For removing water-soluble paints



Rubber eraser pad ochre



Rubber eraser disc grey

Model	Rubber eraser pad ochre	Rubber eraser disc grey
Art. no.	2403810	2403815

Coarse cleaning disc

- ▶ For removing paints, adhesives and rust
- ▶ Two of these discs are needed for the special double carrier wheel



Coarse cleaning disc

Model	Coarse cleaning disc
Art. no.	2403850

Grinders

► Composite design with ergonomic plastic handle, non-slip and low vibration

► Compact and handy for working in hard to reach places

► Universally deployable for grinding flat and curved surfaces

Delta grinder DS

► With extraction (4-hole backing pad)
► For central extraction system

Model	DS
Art. no.	2403500
Technical Data	
Air consumption	approx. 480 l/min
Working pressure	6.3 bar
Sanding disc	70 x 95 mm
Working stroke	3.2 mm
Connection	1/4"
Speed	11,000 rpm
Weight	0.8 kg



Accessories	PU	Art. no.
Sandpaper grain size 60	10	2403504
Sandpaper grain size 80	10	2403506
Sandpaper grain size 100	10	2403508
Sandpaper grain size 120	10	2403510
Sandpaper grain size 180	10	2403512

Eccentric grinder ESS 150 Komposit PRO

► With extraction (6-hole backing pad)
► Self-extracting

Model	ESS 150 Komposit PRO
Art. no.	2403450
Technical Data	
Air consumption	approx. 350 l/min
Working pressure	6.3 bar
Bolt circle Ø	80 mm
Sanding disc Ø	150 mm
Working stroke	5 mm
Connection	1/4"
Speed	10,000 rpm
Weight	0.9 kg

Scope of supply:
Extraction hose
► Textile filter bag



Accessories	Art. no.
Sanding disc	2403402

Orbital sander SWS 180 PRO

► With extraction (8-hole backing pad)
► Self-extracting
► Including extraction hose and textile filter bag

Model	SWS 180 PRO
Art. no.	2403520
Technical Data	
Air consumption	approx. 360 l/min
Working pressure	6.3 bar
Sanding disc Ø	100 x 180 mm
Working stroke	3.2 mm
Connection	1/4"
Speed	8,500 rpm
Weight	1.4 kg



Accessories	PU	Art. no.
Grinding belt grain size 80	5	2403580
Grinding belt grain size 100	5	2403521
Grinding belt grain size 120	5	2403522
Grinding belt grain size 180	5	2403528

Engraving needle

Engraving needle GS PRO

► For marking metal, sheet metals, plastics, stone, marble and other materials with smooth and hard surface

Model	GS PRO
Art. no.	2403110
Technical Data	
Air consumption	approx. 60 l/min
Working pressure	6.3 bar
Working stroke	1.2 mm
Connection	1/4"
Speed	13,000 rpm
Weight	0.19 kg



Die grinders

Die grinders

- ▶ Lightweight and compact design
- ▶ With ergonomically shaped handle, cold-insulating, low vibration
- ▶ Adjustable exhaust air outlet at rear to prevent dust raising
- ▶ With safety lever and infinitely adjustable speed control
- ▶ For grinding, deburring, milling and engraving

Angle die grinder WST PRO

- ▶ For a variety of chassis cleaning tasks
- ▶ Including ergonomic, anti-skid and vibration-damped plastic handle
- ▶ Speed control on handle
- ▶ Safety lever
- ▶ Including side handle



Model	WST PRO
Art. no.	2403210

Technical Data	
Air consumption	approx. 330 l/min
Speed	18,000 rpm
Chuck	3 mm, 6 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.5 kg

Rod grinder ST XL PRO

- ▶ Long form factor, 280 mm overall
- ▶ Speed control on handle



Model	ST XL PRO
Art. no.	2403250

Technical Data	
Air consumption	approx. 350 l/min
Speed	22,000 rpm
Chuck	6 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.8 kg

Angle die grinder WST 115

- ▶ Speed control on handle
- ▶ 6 mm + 3 mm collet chuck
- ▶ Rotating air exhaust
- ▶ Safety control lever
- ▶ Cold-insulated, non-slip handle
- ▶ Including operating tool



Model	New WST 115
Art. no.	2403215

Technical Data	
Air consumption	approx. 360 l/min
Speed	18,000 rpm
Chuck	3 mm, 6 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.7 kg



Speed control on handle

Die grinder set STS PRO

- ▶ Includes two collet chucks (3 mm, 6 mm), five grindstones each (3 mm, 6 mm), plug, and clamping tool in a plastic case



Model	STS PRO
Art. no.	2403200

Technical Data	
Air consumption	approx. 330 l/min
Speed	22,000 rpm
Chuck	3 mm, 6 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.6 kg



Die grinder set STS

- Includes two collet chucks (3 mm, 6 mm), five grindstones each (3 mm, 6 mm), plug, and clamping tool in a plastic case



Model	STS
Art. no.	2403190
Technical Data	
Air consumption	approx. 340 l/min
Speed	22,000 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.6 kg

Precision die grinder set PSS PRO

- For grinding, polishing and milling in model, tool and jig making
- Chuck for grinding quills with 3 mm shank



Scope of supply:
Ten grinding stones
▶ Inline oiler
▶ Tools
▶ Case

Model	PSS PRO
Art. no.	2403120
Technical Data	
Air consumption	approx. 170 l/min
Speed	54,000 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.2 kg



Accessories	Art. no.
Set of grinding quills 10-part	2403121

Set of grinding quills

- Comprising five grinding quills each with 3 mm and 6 mm shank



Model	Set of grinding quills
Art. no.	2403150

Abrasive roller and sleeve set

- Consisting of one each roller and abrasive sleeve (shank 6 mm) and one each grinding sleeve with Ø 10/13/19/25/38mm



Model	Abrasive roller and sleeve set
Art. no.	2403152

Set of sanding sleeves 5-part

- Consisting of 1 abrasive sleeve each of Ø 9/12/18/25/37 mm
- Matching:**
 - Die grinder set STS (Art. no. 2403190)
 - Die grinder set STS PRO (Art. no. 2403200)
 - Angle die grinder WST PRO (Art. no. 2403210)
 - Abrasive roller and sleeve set (Art. no. 2403152)
 - Rod grinder ST XL PRO (Art. no. 2403250)
 - (requires 3 mm collet chuck; Art. no. 0240319022A)



Model	Set of sanding sleeves 5-part
Art. no.	2403158

Grinding/cutting and punching tools

Belt sander BS PRO

- ▶ 360° swivelling grinding arm for hard to reach areas
- ▶ Automatic clamping device for grinding belt



Accessories	PU	Art. no.
Grinding belt grain size 80	5	2403708
Grinding belt grain size 120	5	2403712
Grinding belt grain size 180	5	2403718

Model	BS PRO
Art. no.	2403700

Technical Data	
Air consumption	approx. 400 l/min
Speed	16,000 rpm
Sandpaper	10 x 330 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.77 kg

Belt sander BS 20 PRO

- ▶ 360° swivelling grinding arm for hard to reach areas
- ▶ Automatic clamping device for grinding belt



Accessories	PU	Art. no.
Grinding belt grain size 80	5	2403758
Grinding belt grain size 100	5	2403762

Model	BS 20 PRO
Art. no.	2403750

Technical Data	
Air consumption	approx. 400 l/min
Speed	17,000 rpm
Sandpaper	20 x 520 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.84 kg

Bidirectional sander BDS PRO

- ▶ File-type linear sanding motion for coarse smoothing
- ▶ For large surface areas in woodworking and bodywork, etc.



Model	BDS PRO
Art. no.	2403600

Technical Data	
Air consumption	approx. 318 l/min
Speed	3000 rpm
Sanding stroke	25 mm
Sanding surface	65 x 390 mm
Working pressure	max. 6.3 bar
Connection	1/4"
Weight	2.54 kg

Compressed air tools for cutting and punching

- ▶ With a Komposit housing made of shock-proof plastic for a low weight
- ▶ With ergonomically shaped handle, cold-insulating, low vibration

Sheet nibbler BN PRO

- ▶ For cutting and shaping in bodywork and model building
- ▶ For a tight cutting radius, also in corrugated material
- ▶ For up to 1.6 mm aluminium and 1.2 mm sheet metal



Model	BN PRO
Art. no.	2404550

Technical Data	
Air consumption	approx. 300 l/min
Stroke speed	2,600 110 rpm
Cutting width	5 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.1 kg

Tin shears BS Komposit PRO

- ▶ For up to 1.6 mm aluminium and 1.2 mm sheet metal



Cuts on both sides without bending the material

Model	BS Komposit PRO
Art. no.	2404450

Technical Data	
Air consumption	approx. 420 l/min
Stroke speed	2,600 110 rpm
Cutting width	5 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.3 kg

Punching and stripping device 2 in 1 LAG PRO

- ▶ For joining sheet metal, for example, in bodywork applications
- ▶ For up to 1.2 mm aluminium and sheet metal
- ▶ For pneumatic-hydraulic punching of 5 mm holes, for example, for spot welding



Model	LAG PRO
Art. no.	2404800

Technical Data	
Air consumption	0.8 l/Stroke
Cutting width	5 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.5 kg

Grinding/Polishing machine PS 7

- ▶ Large angle grinder/polisher with particularly flat head
- ▶ Additional handle for right-handers and left-handers



Replacement plate pad with hook and loop



Replacement plate pad



Polishing disc wool

Model	PS 7
Art. no.	2403290
Technical Data	
Air consumption	approx. 400 l/min
Idle speed	2,800 rpm
Spindle size	M14 x 2
Hook plate size with hook and loop pad Ø	178 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	2.2 kg

Accessories	Art. no.
Replacement plate 180 mm with hook and loop holder	2403291
Replacement plate pad	2403292
Polishing disc wool	2403294

Mini grinding/polishing machine PSM 3 PRO

- ▶ Handy, small grinder/polisher
- ▶ For repair and polishing work on small areas
- ▶ With continuously variable speed control
- ▶ Air ducting through the handle
- ▶ Plate with hook and loop holder



Foam polishing pad hard



Polishing pad soft



Polishing disc wool

Scope of supply:

- Hook and loop pad Ø: 76 mm
- ▶ Polishing pad hard 90 mm
- ▶ Polishing pad soft 90 mm
- ▶ Polishing disc wool 80 mm

Model	Mini PSM 3 PRO
Art. no.	2403280

Technical Data	
Air consumption	approx. 340 l/min
Idle speed	2,000 rpm
Spindle holder	M 6
Working pressure	6.3 bar
Connection	1/4"
Weight	0.75 kg

Accessories	Art. no.
Polishing pad hard 90 mm	2403281
Polishing pad soft 90 mm	2403282
Polishing disc wool	2403283

Special cutter SZ PRO

- ▶ For cutting out car window glass/adhesive joints
- ▶ With safety lever to prevent unintended switching on
- ▶ Very quiet, thanks to standard exhaust hose
- ▶ Can also be used with sanding pads, diamond cutting discs, scrapers



Model	SZ PRO	Scope of supply with case:
Art. no.	2404850	Blade 37 mm straight standard
		▶ Blade 47 mm straight offset
		▶ Blade 48 mm curved offset

Technical Data	
Air consumption	approx. 280 l/min
Stroke speed	20,000 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.8 kg

Accessories	Art. no.
Blade 37 mm straight standard	2404853
Blade 47 mm straight offset	2404851
Blade 48 mm curved offset	2404852

Accessories SZ PRO



Blade 8 mm



Blade 35 mm



Blade 18 mm



Blade 36 mm



Blade 24 mm



Blade 90 mm



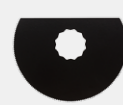
Saw blade straight



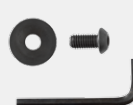
Saw blade tapered



Saw blade circular



Saw blade segmented



Assembly kit



Delta sanding pad



Sandpaper delta shape 40 grain



Sandpaper delta shape 80 grain



Sandpaper delta shape 120 grain

Accessories	Art. no.
Blade 8 mm offset edge	2404865
Blade 18 mm U-shaped curved	2404861
Blade 24 mm U-shaped	2404868
Blade 35 mm straight, serrated	2404866
Blade 36 mm U-shaped curved	2404862
Blade 90 mm U-shaped curved	2404864
Saw blade straight 40 x 33.5 mm 18TPI	2404874
Saw blade tapered 40 x 65 mm 14TPI	2404876
Saw blade circular 81 mm 20TPI	2404870
Saw blade segmented 81 mm 20TPI	2404872
Assembly kit for sanding pad	2404881
Delta sanding pad with hook and loop fastener	2404880
Delta sandpaper with hook and loop fastener 40 grain	2404882
Delta sandpaper with hook and loop fastener 80 grain	2404884
Delta sandpaper with hook and loop fastener 120 grain	2404886

Riveting tools/saws/bodywork repair tools/weld spot milling tools

Riveting tool

Riveting device set NGS

- ▶ In a handy plastic case
- ▶ For automotive, ventilation, facade building, switch cabinet building applications, etc.
- ▶ Uses a variety of rivet holders to handle all commercially available rivets
- ▶ The rivet pins are collected in an accumulator
- ▶ For rivet diameters between 2.4 mm and 4.8 mm



Model	NGS
Art. no.	2404700
Technical Data	
Air consumption	0.8 l/Stroke
Working pressure	6 bar
Connection	1/4"
Weight	1.7 kg

Scope of supply:

- ▶ 1 set nozzle-tips
- ▶ 1 set assembly wrenches
- ▶ 1 bottle hydraulic fluid
- ▶ 1 spare parts kit

Universal saw

Mini universal saw/file USF mini

- ▶ Handy all-purpose saw/file for use in cramped working conditions
- ▶ For cutting, e.g., plastics, wood, aluminium, and Perspex
- ▶ Ideal for automotive companies, repair shops, body shops, metalworking and sheet metal working
- ▶ Lightweight for easy action
- ▶ Safe guiding due to stop clamp
- ▶ Air ducting to rear through handle
- ▶ Very low noise; includes Silence outlet hose
- ▶ Safe guiding due to stop clamp
- ▶ With safety lever to prevent unintended switching on
- ▶ With a Komposit housing made of shock-proof plastic for a low weight
- ▶ Cold protection due to rubberised handle



Model	USF mini
Art. no.	2404640

Technical Data	
Air consumption	approx. 200 l/min
Stroke speed	7,500 rpm
Stroke	10 mm
Cutting thickness in sheet	1.2 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.5 kg

Scope of supply:

- ▶ Round file
- ▶ Half-round file
- ▶ Triangular file
- ▶ Flat file
- ▶ Square file



Accessories	Art. no.
File set 5-part FS 5	2404650
Bi-metal saw blades KS TPI 18 (PU 3)	2404608
Bi-metal saw blades KS TPI 24 (PU 3)	2404610
Bi-metal saw blades KS TPI 34 (PU 3)	2404614

Compressed air panel-beating hammer

Compressed air panel-beating hammer DBH

- ▶ Compressed air panel-beating hammer for body dent repairs
- ▶ Ideal for bodywork repairs
- ▶ Holds on body through negative pressure after connecting to compressed air system
- ▶ Dent repairs through slight actuation of the hammer



Scope of supply:

- ▶ Replacement suction cup Ø 60 mm
- ▶ Replacement suction cup Ø 120 mm
- ▶ Replacement suction cup Ø 150 mm
- ▶ Supply hose with ball valve

Model	DBH
Art. no.	2402700
Technical Data	
Air consumption	approx. 250 l/min
Connection	1/4"
Weight	1.36 kg



Spot weld cutter

Spot weld cutter SF PRO

- ▶ Precision adjustable milling depth for precision work, e.g. for electric weld spots



Model	SF PRO
Art. no.	2404580

Technical Data	
Air consumption	approx. 240 l/min
Working pressure	6.3 bar
Milling cutter	8 mm
Connection	1/4"
Speed	1,800 rpm
Weight	1.3 kg

Accessories	Art. no.
Replacement milling cutter	2404581

Universal saw/file USF PRO

- ▶ Universal saw/file combination device for automotive companies, repair shops, body shops, metalworking and sheet metal working
- ▶ Lightweight for easy action
- ▶ Safe guiding due to stop clamp
- ▶ Cold protection due to rubberised handle
- ▶ Air ducting to rear through handle



Model	USF PRO
Art. no.	2404630

Technical Data	
Air consumption	approx. 200 l/min
Stroke speed	5,000 rpm
Stroke	10 mm
Cutting thickness in sheet	1.6 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.75 kg

Files included in scope of delivery: Round, half-round, triangular, flat, square

Accessories	Art. no.
File set 5-part FS 5	2404650
Bi-metal saw blades KS TPI 18 (PU 3)	2404608
Bi-metal saw blades KS TPI 24 (PU 3)	2404610
Bi-metal saw blades KS TPI 34 (PU 3)	2404614

Universal saw US Komposit PRO

- ▶ For up to 3.2 mm aluminium and 1.6 mm sheet metal



Model	US Komposit PRO
Art. no.	2404660

Technical Data	
Air consumption	approx. 230 l/min
Stroke speed	10,000 rpm
Stroke	10 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	0.5 kg



With rotary union

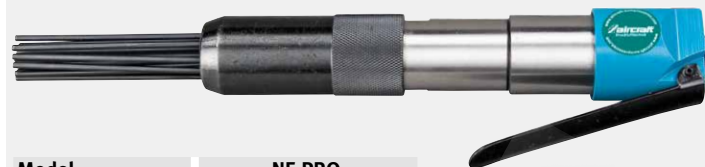
Accessories	Art. no.
Bi-metal saw blades KS TPI 18 (PU 3)	2404608
Bi-metal saw blades KS TPI 24 (PU 3)	2404610
Bi-metal saw blades KS TPI 34 (PU 3)	2404614

Needle scalers

- ▶ Ideal for removing rust and paint from wheels, frame parts and in hard to reach places of solid metal parts (not suitable for sheet)
- ▶ Also suitable for tapping off weld slag, paint, plaster and concrete, and for processing stone
- ▶ Long service life thanks to needles made of special steel

Needle scaler NE PRO

- ▶ Small and compact, bar-shaped with twelve individual 3 mm needles
- ▶ Robust full metal housing
- ▶ Quick-action needle replacement without tools by simply opening the guide nozzle



Model	NE PRO
Art. no.	2402620

Technical Data	
Air consumption	approx. 170 l/min
Impact rate	3,800 rpm
Needle length	125 mm, Ø 3 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.2 kg

Accessories	Art. no.
Replacement needles	2402625

Needle gun NP PRO

- ▶ Ergonomic handling due to gun shape
- ▶ With 19 individual 3 mm needles
- ▶ Insulated handle and exhaust air ducting to front



Model	NP PRO
Art. no.	2402640

Technical Data	
Air consumption	approx. 170 l/min
Impact rate	3,200 rpm
Needle length	180 mm, Ø 3 mm
Working pressure	6.3 bar
Connection	1/4"
Weight	2.6 kg

Accessories	Art. no.
Replacement needles	2402605

Needle scaler attachment

- ▶ For rough rust removal, weld slag removal, stone working, paint removal, plaster removal, and removal of concrete residues, ...
- Suitable for MHU, MHB PRO and MHV PRO**



Model	Needle scaler attachment
Art. no.	2402600



MHV PRO with needle scaler attachment

Chisel hammer sets

Chisel hammer sets

- For general purpose use in tile removal, chiselling work, for building site and bodywork applications

- With ergonomically shaped handle, cold-insulating, low vibration

Chisel hammer set universal MHU

- For smaller chiselling jobs
- Chisel hammer, flat chisel, pointed chisel, sheet metal cutting chisel, bolt chisel, quick-action clamping spring, pluggable nipple, oil bottle
- The hexagonal chuck prevents the chisel twisting.
- In a handy plastic case



Model	MHU
Art. no.	2402200
Technical Data	
Air consumption	approx. 280 l/min
Chuck	10 mm
Impact rate	3000 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	1.6 kg

Chisel hammer set building MHB PRO

- Long professional type for all work in construction, bodywork applications and electrical installation
- Chisel hammer, flat chisel, pointed chisel, cutting chisel, flat-wide chisel, hollow joint chisel, quick-action clamping spring, pluggable nipple
- In a metal case



Model	MHB PRO
Art. no.	2402300
Technical Data	
Air consumption	approx. 240 l/min
Chuck	10 mm
Impact rate	2200 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	2.0 kg

Chisel hammer accessories

Cross recessed holding cover

- Suitable for MHU, MHB
- For a rapid chisel change
- Avoids spring fracture



Model	Cross recessed holding cover
Art. no.	2402103

Needle scaler attachment

- For rough rust removal, weld slag removal, stone working, paint removal, plaster removal, and removal of concrete residues, ...
- Suitable for MHU, MHB PRO and MHV PRO



Model	Needle scaler attachment
Art. no.	2402600



Accessories spare chisels	Art. no.
Sheet cutting chisel 180 mm	2402219
Flat chisel 20/180 mm	2402227
Flat chisel 30/250 mm	2402382
Punch chisel 175 mm	2402239
Pointed chisel 250 mm	2402381
Wide-flat chisel 50/180 mm	2402243
Wide-flat chisel 40/250 mm	2402383
Hollow chisel 24/240 mm	2402384
Clamping spring	2402101

Chisel hammer MHV PRO

- ▶ Vibration-damped and well balanced
- ▶ Kickback reduction mechanism is easy on joints
- ▶ Perfectly suited for building site work (brickwork, bricks, gas concrete)
- ▶ Quick-action chuck for simple and rapid changing of the chisel
- ▶ Ergonomic, rubberised handle for excellent ease of use and safe guiding, cold-insulating and slip-proof



Model	MHV PRO
Art. no.	2402400

Technical Data	
Air consumption	approx. 280 l/min
Chuck	10 mm
Impact rate	2,500 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	2.4 kg

- Scope of supply:**
Chisel hammer drills
- ▶ Flat chisel
 - ▶ Sheet cutting chisel, straight
 - ▶ Sheet cutting chisel, offset
 - ▶ Sheet cutting chisel sharp chisel
 - ▶ Quick clamping chuck
 - ▶ Plug-in nipple 1/4 OT
 - ▶ Holding spring

Chisel hammer for demolition work MHP PRO

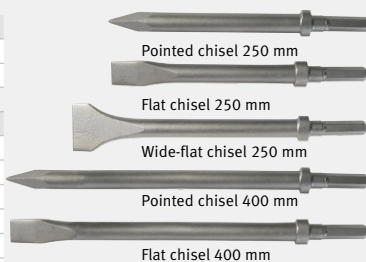
- ▶ Robust professional demolition hammer for chisels with a shank of up to 14.7 mm
- ▶ Best suited for wall openings, renovation work



Model	MHP PRO
Art. no.	2402550

Technical Data	
Air consumption	approx. 600 l/min
Chuck	14.7 mm
Impact rate	2,400 rpm
Working pressure	6.3 bar
Connection	3/8"
Weight	6.9 kg

Accessories spare chisels	Art. no.
Pointed chisel 250 mm	2402552
Flat chisel 250 mm	2402553
Wide-flat chisel 250 mm	2402554
Pointed chisel 400 mm	2402556
Flat chisel 400 mm	2402557



Chisel hammer demolition MHA PRO

- ▶ Robust professional demolition hammer for chisels with a shank of up to 12.7 mm
- ▶ Best suited for wall openings, renovation work



Scope of supply:

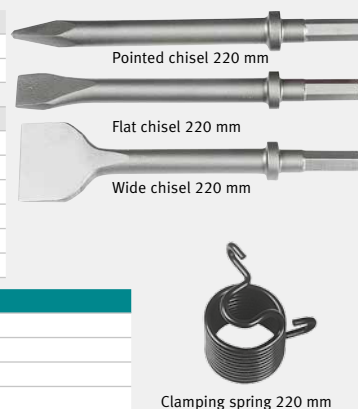
- ▶ Flat chisel
- ▶ Pointed chisel
- ▶ Wide-flat chisel
- ▶ Quick clamping spring

Model	MHA PRO
Art. no.	2402500

Technical Data	
Air consumption	approx. 380 l/min
Chuck	12.7 mm
Impact rate	3600 rpm
Working pressure	6.3 bar
Connection	1/4"
Weight	2.8 kg

Accessories spare chisels

Art. no.	
Pointed chisel 220 mm	2402522
Flat chisel 220 mm	2402523
Wide chisel 220 mm	2402524
Clamping spring 220 mm	2402520



Special oil for compressed air tools

- ▶ For impact driving tools, sheet nibblers, grinders, drilling machines, staplers, chisels, etc.
- ▶ Protects against early wear and avoids corrosion
- ▶ Improved temperature/viscosity behaviour

Model	250 ml	1,000 ml
Art. no.	2500010	2500011

Technical Data		
Contents	250 ml	1,000 ml



Special oil for piston compressors

- ▶ Protects against premature wear and corrosion
- ▶ Mixable with other oils of same grade
- ▶ Improved temperature/viscosity behaviour
- ▶ 20W-30 for piston-type compressors
- ▶ RSX 100 for Rotal piston-type compressors



Model	Mineral oil 20W-30 1l	Mineral oil 20W-30 5l	Gear oil RSX 100 1l
Art. no.	2500012	2500015	2500017

Technical Data			
Contents	1,000 ml	5,000 ml	1,000 ml

Staplers / Nailers

Staplers/multi-purpose tools

- ▶ Staplers for fastening leather, fabrics, wall coverings, insulation materials
- ▶ Perfect also for interior fittings, specially

- designed for fastening slot and key boards, profiles, trims, chipboard, etc.
- ▶ With rubberised handle, cold-insulating, slip-proof and low vibration

- ▶ With bottom loader magazine and contact protection
- ▶ In a handy plastic case

Stapler KG 16 PRO

- ▶ For staple sizes between 6 mm – 16 mm type 80



Model	KG 16 PRO
Art. no.	2405401

Technical Data	
Air consumption	0.5 l/shot
Working pressure	6 bar
Matching staples	Type 80
Weight	0.9 kg

Stapler KG 32 PRO

- ▶ Professional stapler
- ▶ For staple sizes between 13 mm – 32 mm type 80
- ▶ Adjustable exhaust air outlet



Model	KG 32 PRO
Art. no.	2405301

Technical Data	
Air consumption	0.5 l/shot
Working pressure	6 bar
Matching staples	Type 90 L, MA
Weight	1.3 kg

Nail stapler NKG 40/50 PRO

- ▶ Multi-purpose device with adjustable exhaust air outlet
- ▶ For staple sizes between 16 mm – 40 mm type 90
- ▶ For nail sizes between 20 mm – 50 mm, type F

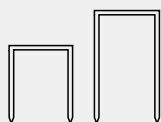


Model	NKG 40/50 PRO
Art. no.	2405501

Technical Data	
Air consumption	0.6 l/shot
Working pressure	6 bar
Matching staples	Type 90
Matching nails	Type F
Weight	1.6 kg

Staple type 80

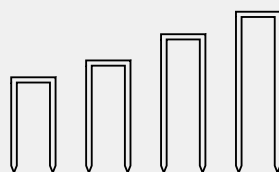
- ▶ Back width: 12.8 mm
- ▶ Wire thickness: 0.7 x 0.9 mm



Staples	PU	Art. no.
6 mm	5,000	2405406
10 mm	5,000	2405410
16 mm	5,000	2405416

Staple type 90

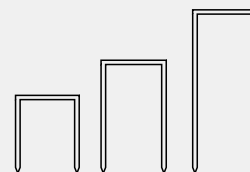
- ▶ Back width: 5.8 mm
- ▶ Wire thickness: 1.05 x 1.27 mm



Staples	PU	Art. no.
19 mm	5,000	2405319
25 mm	5,000	2405325
32 mm	5,000	2405332
38 mm	5,000	2405338

Staple type N

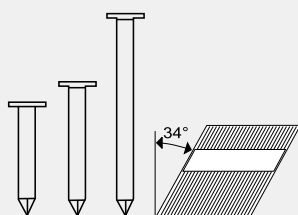
- ▶ Back width: 10.8 mm
- ▶ Wire thickness: 1.40 x 1.60 mm



Staples	PU	Art. no.
32 mm	10,000	2405632
38 mm	10,000	2405638
50 mm	10,000	2405650

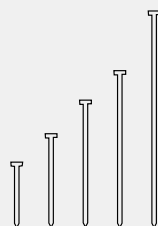
Nail type RN

- ▶ Strip nails 34°



Nails	PU	Art. no.
2.87 x 60 mm	2,500	2405960
3.10 x 70 mm	2,500	2405970
3.10 x 90 mm	2,500	2405990

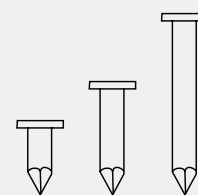
Brads type F



Nails	PU	Art. no.
15 mm	5,000	2405515
25 mm	5,000	2405525
32 mm	5,000	2405532
40 mm	5,000	2405540
50 mm	5,000	2405550

Coil nails wired

- ▶ Ø 3.05 mm
- ▶ 120 pcs./coil



Coil nails	PU	Art. no.
3.05 x 22 mm	7,200	2405822
3.05 x 32 mm	7,200	2405832
3.05 x 45 mm	7,200	2405845

Staplers / Nailers

- ▶ With adjustable exhaust air outlet
- ▶ For production of boxes, disposable pallets, crates, frames, dividing walls, trestles,
- casings, and fastening plasterboard.
- ▶ With rubberised handle, cold-insulating, slip-proof and low vibration
- ▶ With bottom loader magazine and contact protection

Stapler KG 50 PRO

- ▶ For staples 19-50 mm, type N (Back width: 10.8 mm)



Model	KG 50 PRO
Art. no.	2405601
Technical Data	
Air consumption	1.8 l/shot
Working pressure	6 bar
Connection	1/4"
Weight	3.1 kg

Nailer NG 90 PRO

- ▶ For strip nails 55-90 mm with an angle of 34 degrees and diameters of 2.87 mm, 3.05 mm and 3.33 mm



Model	NG 90 PRO
Art. no.	2405901
Technical Data	
Air consumption	4.8 l/shot
Working pressure	6 bar
Connection	1/4"
Weight	4.5 kg

Power modules - supply electricity and compressed directly to the workplace

- ▶ Water and dust protected as per IP 44 (approved for woodworking companies)
- ▶ Distribution units can be suspended at desired working height
- ▶ Housing made of special plastic material equipped with handle which can also be used as tool hook
- ▶ Pneumatic fittings made of bare brass, single-handed quick-action couplings
- ▶ Including 3 m stable, galvanized steel chain
- ▶ Supply line for sockets 3 m H07RN-F 3/5G1.5 black

Power module A-EA 1

- ▶ Safety sockets: 4 x with cover IP44
- ▶ Including compressed air supply line 3 m (9 x 3 mm)



Model	A-EA 1
Art. no.	2100001
Technical Data	
Compressed air supply line	1 x 3 m
Compressed air hose	9 x 3 mm
Dimensions	240 x 190 x 90 mm
Weight	2 kg

Power module A-EA 2

- ▶ Including compressed air supply line 3 m (9 x 3 mm)
- ▶ **Safety power sockets:**
Side 1: 2 x CEE sockets 400 V 16A 5p+ side
Side 2: 3 x safety power sockets IP44



A-EA 2 front

A-EA 2 rear

Model	A-EA 2
Art. no.	2100002
Technical Data	
Compressed air supply line	1 x 3 m
Compressed air hose	9 x 3 mm
Dimensions	240 x 190 x 90 mm
Weight	2.4 kg

Hoses/Spiral hoses

FLEXAIR hose

- ▶ Extremely flexible compressed air hose also for low temperatures
- ▶ Especially resistant against oil-contaminated compressed air
- ▶ Operating pressure max: 15 bar
- ▶ With coupling and barb



Extremely flexible woven fabric compressed air hose even at low temperatures

Hose length	ID	OD	Art. no.
10 m	6 mm	11 mm	2105410
20 m	9 mm	11 mm	2105420
10 m	6 mm	14 mm	2105510
20 m	9 mm	14 mm	2105520

FLEXAIR hose

- ▶ Extremely flexible compressed air hose also for low temperatures
- ▶ Especially resistant against oil-contaminated compressed air
- ▶ Operating pressure max: 15 bar



Extremely flexible woven fabric compressed air hose even at low temperatures

Hose length	ID	OD	Art. no.
50 m	6 mm	11 mm	2105450
10 m	9 mm	14 mm	2105511
50 m	9 mm	14 mm	2105550
50 m	13 mm	19 mm	2105750

Quality compressed air hose PRO

- ▶ Highly flexible and abrasion-proof
- ▶ Temperature range from -40° to +75°
- ▶ Max. working pressure: 15 bar
- ▶ Made of polyurethane
- ▶ With fabric insert - fabric reinforced
- ▶ For professional use



PU hose 10 m with coupling and barb

PU hose 50 m

Hose length	ID	OD	Art. no.
10 m	8 mm	12 mm	2106910
50 m	8 mm	12 mm	2106950
50 m	10 mm	15 mm	2106960
50 m	13 mm	19 mm	2106970

*With coupling and barb **On reel

Standard spiral hose

- ▶ With quick-release coupling and barb
- ▶ Entry level

Spiral hose

- ▶ Made of polyurethane
- ▶ with standard quick-release coupling and barb
- ▶ Operating pressure 8 bar



With standard quick-release coupling and barb

Hose length	ID	OD	Art. no.
5 m	6 mm	10 mm	2115605
7.5 m	6 mm	10 mm	2115608
10 m	8 mm	12 mm	2115610

Quality spiral hoses

- ▶ With quick-release coupling and barb
- ▶ Professional design

Quality spiral hose PRO

- ▶ Made of polyurethane
- ▶ Highly flexible and abrasion-proof
- ▶ Connecting thread 1/4"
- ▶ Avoids permanent reduction of cross-section after kinking
- ▶ Small winding diameter
- ▶ Large temperature range
- ▶ The straight ends allow for convenient plugging and unplugging, and torsion-free work
- ▶ No hose torsion thanks to swivel joint
- ▶ With kink protection
- ▶ Operating pressure 8 bar

With swivel joint - 360° rotatable



Highly flexible with swivel joint and kink protection including quality coupling and barb



Quality spiral hose PRO 6 m, 5/8 mm ID/OD with particularly narrow winding



Quality spiral hose 6m PRO 8/12mm

Hose length	ID	OD	Art. no.
6 m	5 mm	8 mm	2105850
6 m	6.5 mm	10 mm	2105852
6 m	8 mm	12 mm	2105854
10 m	8 mm	12 mm	2105856

Antistatic compressed air hose

- Guarantees electrostatic contact (106Ωm) when attaching the hose to couplings



Antistatic



Model	10 m with coupling and barb	50 m reel
Art. no.	2100110	2100101
Technical Data		
Length	10 m	10 m
Hose Ø	9 x 16 mm	9 x 16 mm
Burst pressure at 20 °C	16 bar	16 bar
Working pressure at 20 °C	60 bar	60 bar

Balancers FZ

- Essential tool for repetitive work on assembly lines, mass production packaging work
- Extremely resilient spring cable pull
- Made of high-quality die-cast aluminium
- Load setting and cable length selectable
- Three-point hitch



The following are recommend for connection to the compressed air network:

1x quick coupling 6 mm with hose bar (2200021), pluggable barbs 6 mm (2200031) and 2x ear clamps (2105008)

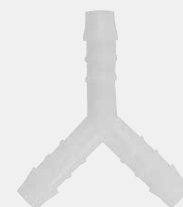
Model	FZ 0.4 - 1.0 kg	FZ 1.0 - 2.0 kg	FZ 2.0 - 3.0 kg
Art. no.	2106001	2106002	2106003
Technical Data			
Load bearing range	0.4 – 1 kg	1 – 2 kg	2 – 3 kg
Cable length	1.6 m	1.6 m	1.6 m
Dimensions in mm	113 x 113 x 60	113 x 113 x 60	113 x 113 x 60
Weight	0.63 kg	0.63 kg	0.63 kg

Ear clamps PRO



For hose	Range	PU	Art. no.
12.3 mm	9.8 - 12.3 mm	4	2105006SB
12.3 mm	9.8 - 12.3 mm	100	2105006
13.3 mm	10.8 - 13.3 mm	4	2105008SB
13.3 mm	10.8 - 13.3 mm	100	2105008
15.7 mm	13.2 - 15.7 mm	4	2105009SB
15.7 mm	13.2 - 15.7 mm	100	2105009
17.8 mm	15.6 - 17.8 mm	100	2105011
19.8 mm	16.6 - 19.8 mm	100	2105012

Ear clamps PRO



Accessories	Art. no.
8 mm hose connection ports, Y-shaped	22536613

Spiral hose for balancers

- High-quality PA12 spiral hose for attachment to balancers FZ
- Keeps things tidy in the assembly line work area
- 1 m connecting hose for connecting to the compressed air network and tool
- Incl. all required parts for mounting on the balancer
- PA12 Spiral hose



The following are recommend for connection to the compressed air network:

1x quick coupling 6 mm with hose bar (2200021), pluggable barbs 6 mm (2200031) and 2x ear clamps (2105008)

Model	Spiral hose for balancers
Art. no.	2106050
Technical Data	
Useful length with spring balancer	1.6 m
ID	8 mm
OD	10 mm

Fig. shows the use of the spiral hose. **Spring balancer not included in scope of delivery**



Hose rewinders/Hose reels

Hose rewiner

Hose rewiner SAR E

- ▶ Including swivelling bracket for wall or ceiling mounting
- ▶ Compressed air hose made of polyurethane with woven fabric insert
- ▶ The hose can be easily arrested or automatically rolled up, simply by pulling
- ▶ With coupling and barb



with standard
quick-release
coupling and
barb

Model	SAR 8/10 E	SAR 8/15 E
Art. no.	2105804	2105806
Technical Data		
Hose internal diameter	8 mm	8 mm
Hose external diameter	12 mm	12 mm
Hose length	10 m	15 m
Max. operating pressure:	15 bar	15 bar
Connection	1/4" OT	1/4" OT
Weight	3.6 kg	7.0 kg

Hose rewiner SAR TOP

- ▶ Housing made of impact-resistant plastic · With kink protection
- ▶ Including swivelling bracket for wall or ceiling mounting
- ▶ Woven-fabric armoured, oil-resistant polyurethane (PU) hose
- ▶ With premium quick-action coupling and barb
- ▶ Operating temperature: from -5° to + 40°C
- ▶ Length of connecting hose: 1 m



woven fabric
armoured, oil-
resistant, with
kink protection,
including quality
coupling and barb

Model	SAR 8/15 TOP	SAR 10/15 TOP
Art. no.	2105815	2105818
Technical Data		
Hose internal diameter	8 mm	10 mm
Hose external diameter	12 mm	14 mm
Hose length	15 m	15 m
Max. operating pressure:	15 bar	15 bar
Connection	1/4"	3/8"
Weight	6.0 kg	6.5 kg

Hose rewiner SAR PRO

- ▶ Premium compressed air hose made of polyurethane with woven fabric support
- ▶ For professional use in workshops, garages etc.
- ▶ Rugged, powder-coated sheet steel housing with bracket for wall and ceiling mounting
- ▶ The hose can be arrested at any point by simply pulling, or rewound as desired
- ▶ Length of connecting hose: 2 m



Highly flexible with
kink protection,
including quality
coupling and barb

Model	SAR PRO 8/12	SAR PRO 10/15.5	SAR PRO 13/18
Art. no.	2105813	2105814	2105817
Technical Data			
Hose internal diameter	8 mm	10 mm	13 mm
Hose external diameter	12 mm	15.5 mm	18 mm
Hose length	15 m	15 m	12 m
Max. operating pressure:	15 bar	15 bar	15 bar
Connection	1/4"	1/4"	1/4"
Weight	6.0 kg	7.0 kg	7.5 kg

Wall-mounted hose rewiner SAR 10/15 M

- ▶ Compressed air hose made of polyurethane with woven fabric insert
- ▶ With premium quick-action coupling and barb
- ▶ Rugged metal housing
- ▶ For ceiling and floor mounting
- ▶ The hose can be easily arrested or automatically rolled up, simply by pulling



Highly flexible with
kink protection,
including quick
coupling and barb

Model	SAR 10/15 M
Art. no.	2105816
Technical Data	
Hose internal diameter	9.5 mm
Hose external diameter	14 mm
Hose length	15 m
Max. operating pressure:	15 bar
Weight	12.25 kg

Hose reels

Compressed air hose drum DST 8/30

- ▶ Polyurethane hose with woven fabric support
- ▶ With kink protection
- ▶ On stand, swivels through 360°
- ▶ Highly flexible and abrasion-proof
- ▶ With premium quick-action coupling and barb

Model	DST 8/30
Art. no.	2105830

Technical Data	
Hose internal diameter	8 mm
Hose external diameter	12 mm
Hose length	30 m
Max. operating pressure	15 bar
Connection	1/4"
Weight	8.0 kg



360° rotating



Highly flexible with kink protection, including quality coupling and barb

Cable reel

- ▶ Automatic cable rewinders for hobby, agriculture, trade and industry
- ▶ Keeps any workshop tidy
- ▶ Swivelling thanks to stable wall or ceiling mount
- ▶ The cable can be easily arrested or

- automatically rolled up, simply by pulling
- ▶ With thermal overload protection as standard
- ▶ Cable quality H05VV-F
- ▶ All models TÜV and GS approved
- KAR PRO Series special features**
- ▶ Housing made of impact-proof plastic material

- ▶ Locking mechanism can be switched off
- ▶ With strong return spring made of special steel
- ▶ Very uniform and complete return of the electrical cable

Cable reel KAR

- ▶ 230 volt model with safety plug and socket
- ▶ All suspension devices are included in the delivery volume



Model	KAR 3 x 1.5 10 metres	KAR 3 x 1.5 15 metres
Art. no.	2161211	2161213
Technical Data		
Cable dimensions	3 x 1.5 mm ²	3 x 1.5 mm ²
Cable length	10 m	35 m
Weight	3.6 kg	7.0 kg

Cable reel KAR

- ▶ 230 volt model with safety plug and socket
- ▶ Rated load cable rolled: 800 W
- ▶ Rated load cable unrolled: 2000 W



Model	KAR 3 x 1.5 18 metres	KAR 3 x 1.5 25 metres
Art. no.	2162318	2162325
Technical Data		
Cable dimensions	3 x 1.5 mm ²	3 x 1.5 mm ²
Cable length	18 m	25 m
Length	360 mm	420 mm
Width	200 mm	200 mm
Height	330 mm	390 mm
Weight	4.8 kg	8.3 kg

Cable reel KAR PRO

- ▶ 400 volt model with 5 x 16 A Euronorm plug and socket
- ▶ Rated load cable rolled: 1,000 W
- ▶ Rated load cable unrolled: 3,000 W



Model	KAR 5 x 1.5 10 metres	KAR 5 x 1.5 20 metres
Art. no.	2164010	2164020
Technical Data		
Cable dimensions	5 x 1.5 mm ²	5 x 1.5 mm ²
Cable length	10 m	20 m
Length	360 mm	420 mm
Width	260 mm	260 mm
Height	330 mm	390 mm
Weight	5.3 kg	9.8 kg

stürmer®

WELT DER MASCHINEN



optimum-maschinen.de



optimum-maschinen.de



metallkraft.de



holzstar.de



schweisskraft.de



unicraft.de



holzkraft.de



cleancraft.de

Sales Germany:

AIRCRAFT - Stürmer Maschinen GmbH
Dr.-Robert-Pfleger-Str. 26
96103 Hallstadt/Germany

Phone: +49 (0) 9 51 - 96 555 - 0

Fax +49 (0) 9 51 - 96 555-55

EMail: info@aircraft-kompressoren.de

Web: www.aircraft-kompressoren.de

Sales Austria:

**AIRCRAFT Kompressorenbau und
Maschinengroßhandel GmbH**

Gewerbestraße Ost 6
4921 Hohenzell / Austria

Phone: +43 (0) 77 52 - 70 929 - 0

Fax: +43 (0) 77 52 - 70 929 - 99

Email: info@aircraft.at

Web: www.aircraft.at



Your specialist retailer:



- The publication of this catalogue renders all previous price lists invalid.
- Prices are recommended retail prices, subject to change, in €, plus statutory VAT, plus packaging, shipping, transportation, unloading, installation and training costs as applicable.
- We accept no liability for printing errors, mistakes or incorrect representation.
- Technical and visual changes reserved.
- Some illustrations show optional accessories.
- Delivery is effected solely on the basis of our terms of delivery and payment.
- All items are sold through specialist retailers.
- The goods shall remain our property until payment has been received in full.
- Our retention of title shall remain valid in case of sale to a third-party.
- Legal warranty conditions apply for businesses.
- Copying and reproduction in full or in part is subject to written approval by us.