aircraft Druckluftechnik

Piston compressors

Screw-type compressors

Compressed air distribution

Compressed air treatment

Compressed air tools

Accessories

Compressors / compressed air technology






Main catalogue 2014

AIRCRAFT compressed air technology - quality at an economical price!

Production and administration building at Hohenzell/Austria

Dear customers,

There are several reasons that make it worthwhile studying this catalogue intensively!

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 the 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!

Ahead of its time - the AIRCRAFT duo-airmat back in 1992.

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

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

Innovation is our tradition.

Sales and service Germany at Hallstadt/Bamberg

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 look forward to being of service to you!

Your AIRCRAFT team

Kilian Stürmer
Managing Director

Klaus Hütter
Managing Director

The new logistics center with 16,000 m² storage area (from March 2014).

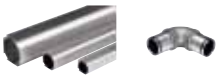
Content





























A few of our highlights for 2013/2014 at a glance

Good and attractively priced – more E models for home, hobbies, and installation work

- More E models from the MOBILBOY and COMPACT-AIR series

Equipment level:

- Pressure regulators for infinitely variable setting of the desired working pressure
- Automatic pressure switch
- One manometer each for displaying the vessel and working pressure
- Single-handed quick-release coupling
- Aluminium compressed air lines

... for more details, please turn to pages 22 and 25

Oil-free and quiet – the new COMPACT-AIR BX 240 SILENT

- Universally applicable for installation work and in workshops
- 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
- Specially designed for work areas where it is necessary to work with clean air or at low temperatures, for example, in plasma cutting, and in the food and delicatessen industries

... for more details, please turn to page 28

The power packages – 4-cylinder compressors with 500 litre compressed air vessels

- The two-stage compressing four-cylinder high-performance unit with a cylinder block made of grey cast iron guarantees smooth running and a long service life
- Available in 10 and 15 bar variants
- Maximum performance on a small footprint
- Vessel hot-dip galvanised inside and out; 15-year guarantee on the vessel against corrosion perforation

... for more details, please turn to page 51

More AIRCRAFT innovations:

AIRSTAR 321/50 E and 401/50 E
on p. 35

AIRPROFI TANDEM Series
on p. 52 and 58

AIRCAR BX 330 OF PRO
on p. 28

Small but impressive –
The new A-MICRO series screw compressors

- 4 kW screw-type, belt-driven compressor with 2 x 100 l vessel on a safety support pallet
- For small to medium-sized builders, decorators, joiners, etc.
- Does not require inspection by an authorised body
- Maximum pressure 8 or 10 bar
- Available with maximum equipment level: with attached cold drier, fine filter, condensate treatment system for oil/water separation and an automatic condensate drain

... for more details, please turn to page 72

Compressed air tools –
the right tool for more-or-less any application

Introducing the following new tools, and much more:

- Blow gun with three-part nozzle set: fan nozzle, extension nozzle and Venturi nozzle
- Impact driving tool 1/4" in set with long sockets as a "glow plug driving tool"
- Handy, professional grinder/polisher for repair and polishing work on small areas

... for more details, please turn to page 123

Convenience and safety –
convenient single-handed safety couplings with an increased flow rate

- Small parts and particulate soiling are ejected out, thus substantially improving work safety
- No backlash from the hose line compared with legacy quick-disconnect couplings
- Substantially improved flow rate
- Zero pressure coupling – the nipple can be guided with just two fingers
- KOMFORT safety couplings - incomparably easy to use

... for more details, please refer to page 120

AIRBAU
on p. 33

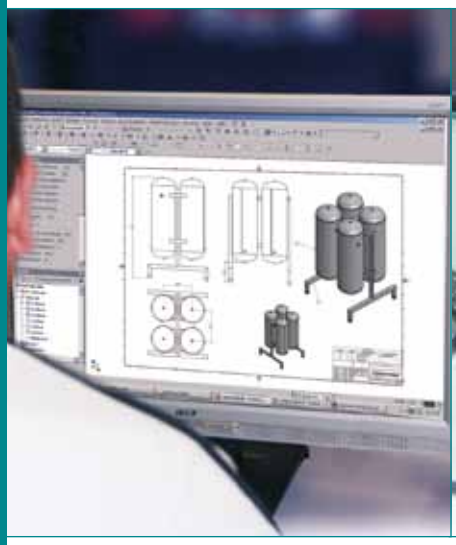
Impact driving tool set 1/2" mini
starting on p. 136

Ratchet screwdrivers PRO
starting on p. 139

SAR PRO hose reels
starting on p. 154

Your requirements are our target

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 nearly 20 years.

Hands-on testing

Our 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 tanks. Our powder-coated tanks* come with 10-year guarantee against corrosion perforation as a factory standard.

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

Professional Aircraft service - four building blocks for your benefit

Many representations
AIRCRAFT is working together with competent partners in lots of countries worldwide from its company headquarters at Hallstadt/Germany and Hohenzell/Austria.

The spare parts warehouse team

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 broken down into the four following 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.

Inventory and requirements analysis

We support you in your efforts to achieve an efficient compressed air system that perfectly reflects your needs. You can benefit from the following services: determination of your compressed requirements, leakage dew point, pressure dew point or flow rate measurements, and a comprehensive engineering and safety check. We are happy to take care of leak finding, and perform energy efficiency measurements.

Advisory services and system planning

Are you planning a new factory building, looking to overhaul existing workplaces, planning an extension or modernisations?

(-> Contact details on the inside rear cover of the catalogue)

Installation/commissioning

The AIRCRAFT service field force, and our service partners, ensure reliable, nationwide, on-site service for our customers. This also includes installing and commissioning your compressed air system and the complete pipe network. In the scope of your order, we also handle the installation of the compressed air lines, and ensure that they are installed in good time and to your complete satisfaction.

Maintenance and repairs

Our service protects your investment in machinery for years. For service cases, you can call in our experienced AIRCRAFT engineers and your local specialist retailer. Our well-stocked spare parts warehouse guarantees rapid delivery of replacement parts when needed. And if your compressor should happen to fail, many of our sales partners will provide you with a substitute compressor for the duration of the repairs.

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

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

3 Installation and commissioning

Installation of your compressed air system
- Installing the complete pipe network **New**

Commissioning your compressed air system
- Training on site

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

The AIRCRAFT maintenance agreement - your benefits

Engineering hotline

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.

10 factors for achieving an optimum compressed air supply

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, you need 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 and the sound pressure level LPA 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*

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*

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.

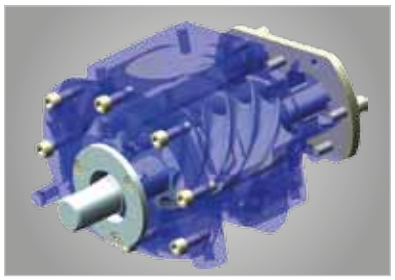
Berechnungsbeispiel:

Druckluftverbraucher	Arbeits-druck (bar)	Einschalt-dauer ED (%)	Anzahl A (Stk.)	Einzel-verbrauch q (ltr/min.)	A x q x ED/100 (ltr./min.)
Farbspritzpistole Ø 1,5 mm	3	40	1	180	72
Ausblaspistolen Ø 1,0 mm	6	10	3	65	19,5
Schlagschrauber M 10	6	20	3	200	120
Bohrmaschine bis Ø 20mm	6	30	1	700	210
Winkelschleifer	6	40	2	500	400
Summe Q des Druckluftverbrauches der Verbraucher				(ltr./min.)	821,5
Gleichzeitigkeitsfaktor f					0,71
Druckluftverbrauch der Verbraucher Qf = f x Q				**(ltr./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**. They do not have an idle mode.

- **Low output capacities**
  If the output capacities 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 on-period**
  Screw-type compressors are specially designed for use in continuous compressed air consumption without high peak demands (on-period = 100%). They are an excellent choice of machine for handling the basic load in a compressor array.

High output capacities

- The screw-type compressor is the most economical choice if you need a high output capacity.

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 typically have a **constant and high compressed air requirement**, 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?

Compressor/Model	Sealing	Drilling	Painting/ Preserving			Chiselling			Stapling	Nailing	Filling tires and measuring tire pressure	Cleaning Purging	Driving Changing tyres			Grinding/cut-ting/ Sand blasting	Spraying
	Cartridge gun PRO, Cartridge gun PRO KP, Silicone caulking gun	BM R+L PRO	Air-Brush kit AS	Decoration gun ES	Paint spray guns: SD, RD, PJ HVLP, HVLP PRO Underbody protection guns	Chisel hammer sets: MHU, MHH, MHB	Chisel hammer demolition work MHA PRO	Chisel hammer demolition work MHP PRO	Clamping devices: KG 16 PRO, KG 32 PRO, NKG 40/50 PRO, KG 50 PRO	Nailing device NG 90, Roofing sheet nailer DPN 45 PRO	Tyre pressure gauges: 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 screw driver ISS 1"	Ratchet screw driver: 1/4" PRO, 1/2" LR S, 1/2" LR PRO	Impact screw driver: SS S 1/2", ISS 1/2", ISS 3/4"	Grinder, universal saw, Steel sheet nibbler, sandblasting guns	Spray gun aluminium
Handy 201 OF E	●	-	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Mobilboy 221/24 OF E New	●	○	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Mobilboy 241/24 E New	●	○	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Mobilboy 241/50 E New	●	○	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Mobilboy 301/24	●	○	●	●	-	○	-	-	●	○	●	●	-	○	○	○	●
Mobilboy 311/50 (E)	●	○	●	●	○	○	-	-	●	○	●	●	-	-	○	-	●
Mobilboy 361/50 E New	●	○	●	●	○	○	-	-	●	○	●	●	-	-	○	-	●
Airboy Silence 50 PRO	●	-	●	○	-	-	-	-	○	○	○	●	-	-	-	-	●
Airboy Kit 90	●	-	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Airboy 261 (E)	●	-	●	●	-	-	-	-	●	○	●	●	-	-	-	-	●
Compact-Air 221/10 E	●	○	●	●	-	○	-	-	●	○	●	●	-	-	○	-	●
Compact-Air 265/10 E	●	○	●	●	-	○	-	-	●	○	●	●	-	○	○	-	●
Compact-Air 311/20 E	●	○	●	●	○	○	-	-	●	○	●	●	-	-	○	-	●
Compact-Air 321/20	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Compact-Air 361/20 E New	●	●	●	●	○	○	○	○	●	●	●	●	-	●	●	○	●
Compact-Air 321/24 PRO	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Compact-Air 341/24 PRO	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Compact-Air BX 240 SILENT New	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Compact-Air BX 330 OF PRO	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Aircar BX 330 OF PRO New	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Aircar 321/22 PRO New	●	●	●	●	○	○	-	-	●	●	●	●	-	●	●	○	●
Aircar 553/22 PRO New	●	●	●	●	●	●	●	○	●	●	●	●	○	●	●	●	●
Airbau 652/100 B PRO	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	○	●
Aircar-Bau 650 B PRO	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRSTAR 321/50 E New	●	●	●	●	●	●	○	-	●	●	●	●	-	●	●	○	●
AIRSTAR 401/50E/403/50 E/90E New	●	●	●	●	●	●	○	-	●	●	●	●	-	●	●	○	●
AIRSTAR 401/50/403/50	●	●	●	●	●	●	○	-	●	●	●	●	-	●	●	○	●
AIRSTAR 503/100	●	●	●	●	●	●	●	○	●	●	●	●	-	●	●	●	●
AIRSTAR 703/100	●	●	●	●	●	●	●	○	●	●	●	●	○	●	●	●	●
AIRSTAR 853/100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 401/50 - 403/50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 503/50	●	●	●	●	●	●	○	-	●	●	●	●	-	●	●	○	●
AIRPROFI 503/100	●	●	●	●	●	●	●	○	●	●	●	●	-	●	●	●	●
AIRPROFI 703/100	●	●	●	●	●	●	●	○	●	●	●	●	○	●	●	●	●
AIRPROFI 853/100/10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 703/100/15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 703/75/13	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIRPROFI 703/100/15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stationary compressors	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● Best qualified
○ Conditionally qualified
- not suitable

These indications serve for orientation and are non-binding. Depending on your individual choice and use of a compressed air tool, your compressed air requirements can be different or higher.

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.
Plug and work.

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

Rugged compressors with a tried-and-trusted belt drive and twin-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-BAU

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 hard 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

For a maximum volume of available compressed air 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 1 m².

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 variants
mobile or stationary,
with or without a pressure vessel

AIRCRAFT piston compressor systems

WDS

HDS

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

High performance-continuous-lubricating system (HDS)

- The system was developed for tough, 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

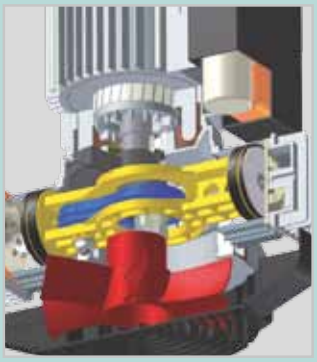
HANDY 201 OF E on p.22

MOBILBOY 221/24 OF E on p.22

HDS

AIRPROFI 321/100 OF Silent on p.62

HDS *BX model*



HOS

Patented technology!

High performance-continuous-lubricating system (HDS)

- The system was developed for tough, 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 single-piece cylinder ensure optimum heat dissipation

- Maintenance-free
- Ideal wherever oil-free and clean compressed air is required in daily use

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

HDS *BX model*

COMPACT-AIR BX 330 OF PRO and AIRCAR BX 330 OF PRO on p.28

HOS

MOBILBOY Series on p.22

AIRSTAR Series starting on p.36

AIRPROFI V Series starting on p.48

Mobile entry-level class

AIRBOY Series - Portable compressors with high air flow rates and high pressures for daily use in building and other trades

starting with the Airboy Silence 50 Pro:

- Universally deployable in the demanding building and trade applications on-site and in the workshop
- Quality electric motors with powerful torque
- Motor starting current limiter
- Thermal overload protection protects the motor against overheating and overload
- Powder-coated pressure vessel
- Fully automatic ON/OFF operation
- Vibration-damping rubber suction feet
- Rubberised carrier handle prevents slipping
- Pressure regulator for infinite adjustability of the desired working pressure
- Switch and fittings perfectly protected by tubular frame
- Airboy KITT 90 and Airboy 261 equipped with premium quick-action couplings as a factory standard
- 10-year guarantee on the pressure vessel against corrosion perforation (for the Airboy 261 and Kitt 90 models)

Airboy Silence 50 PRO

- *The working pressure is infinitely variable from 0 to 8 bar via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate*

10 bar

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)*
- *Trouble-free use, e.g., in apartments, offices, etc.*
  The working pressure is infinitely variable from 0 to 8 bar via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate

15 bar

AIRBOY KITT 90

- *Ultra-slow runner - thus reducing vibrations and extending the service life of the compressor components equipped with premium quick-action couplings as a factory standard*

10 bar

AIRBOY 261

- *equipped with a CONDOR premium pressure switch as a factory standard*
  equipped with premium quick-action couplings as a factory standard

Airboy 261 E model features

- *Airboy 261 E economy model with automatic pressure switch*
- *Perfect entry-level model*
- *Attractively priced*

Airboy Kitt 90 and Airboy 261

Pressure regulator for infinite adjustability of the desired working pressure

- *Two pressure gauges show the vessel pressure and working pressure*
- *Switch and fittings perfectly protected by tubular frame*
- *10-year guarantee on the pressure vessel against corrosion penetration*
- *·Equipped with an automatic pressure regulator,* ***AIRBOY 261*** *equipped with a* ***CONDOR premium pressure switch*** *as a factory standard*
  equipped with premium quick-action couplings as a factory standard

Model			AIRBOY 261 E
Article no:	-	-	200 1245

Model	AIRBOY Silence 50 PRO	AIRBOY KITT 90	AIRBOY 261
Article no.	200 0100	200 1237	200 1242

Technical data			
Compressor system*	**encapsulated**	**HOS**	**HOS**
Maximum volume flow	50 l	85 l	260 l
Fill capacity approx.	33 l	49 l	170 l
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 (LxWxH) in mm	320x320x480	510x270x400	510x270x400
Sound power level**	43 dB(A)	85 dB(A)	97 dB(A)

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

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

- Universally deployable in domestic and DIY use, all compressors in the MOBILBOY Series also for on-site applications
- Thermal overload protection protects the motor against overheating and overload
- One pressure gauge each for displaying the vessel and working pressures
- Fully automatic ON/OFF operation
- Powder-coated pressure vessel
- Plastic wheels at rear
- Rubber foot or rubber suction pads at front
- Mains cable length 1.8 m

Mobilboy E/Handy Series features:
- Pressure reducer for infinitely variable setting of the desired working pressure
- Automatic pressure switch
- One pressure gauge each for displaying the vessel and working pressures
  Single-handed, quick-action coupling
  Aluminium compressed air lines

Mobilboy 221/24, 301/24 and 311/50 features
- with premium filter pressure regulator for infinite adjustment of the working pressure with simultaneous separation of dirt, oil and condensate
- Automatic CONDOR pressure switch Premium, single-handed, quick-action coupling
  Copper compressed air lines
- ·10-year guarantee on the pressure vessel against corrosion penetration

Oil-free!

Oil-free! New

8 bar New

8 bar New

HANDY 201 OF E
- ***With oil-free WDS compressor****
- *No oil change required*
- *No oil in the compressed air and in the condensate - environmentally-friendly*

MOBILBOY 221/24 OF E
- ***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*

		New	New	New			New
E Model	**HANDY 201 OF E**	**MOBILBOY 221/24 OF E**	**MOBILBOY 241/24 E**	**MOBILBOY 241/50 E**	**MOBILBOY 301/24 E**	**MOBILBOY 311/50 E**	**MOBILBOY 361/50 E**
Article no:	200 1210	200 2222	200 2241	200 2250	200 3326	200 3331	200 3650
Model	-	-	-	-	**MOBILBOY 301/24**	**MOBILBOY 311/50**	-
Article no:	-	-	-	-	200 3325	200 3330	-
Technical data							
Compressor system*	WDS	WDS	HOS	HOS	HOS	HOS	HOS
Maximum volume flow	179 l	200 l	200 l	200 l	260 l	284 l	356 l
Fill capacity approx.	110 l	110 l	102 l	102 l	170 l	190 l	215 l
Maximum pressure	8 bar	8 bar	8 bar	8 bar	10 bar	10 bar	10 bar
Vessel capacity	6 l	24 l	24 l	50 l	24 l	50 l	50 l
Cylinders/stages	1/1	1/1	1/1	1/1	1/1	1/1	2/1
Speed	2850 rpm	2850 rpm	2850 rpm	2850 rpm	2850 rpm	2850 rpm	2850 rpm
Motor output	1.1 kW / 230 V	1.5 kW / 230 V	1.5 kW / 230 V	1.5 kW / 230 V	1.8 kW / 230 V	2.2 kW / 230 V	2.2 kW / 230 V
Weight	11.5 kg	24 kg	22.5 kg	29.9 kg	26 kg	36.5 kg	38 kg
Dimensions (LxWxH) in mm	330 x 255 x 500	570 x 255 x 590	570 x 255 x 590	790 x 310 x 670	580 x 310 x 615	870 x 350 x 700	870 x 350 x 700
Sound power level **	91 dB(A)	94 dB(A)	93 dB(A)	93 dB(A)	97 dB(A)	97 dB(A)	97 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)

10 bar

MOBILBOY 301/24 E

10 bar

MOBILBOY 311/50 E

· *With 50 l compressed air vessel*

E models features

1. **Automatic pressure switch**
2. **Pressure regulator**
   for infinite adjustment of the working pressure
3. **One single-handed, quick-action coupling aluminium compressed air line**
4. One pressure gauge each for displaying the vessel and working pressures

10 bar

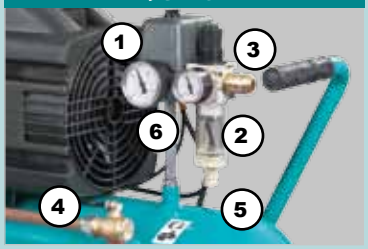
MOBILBOY 301/24

10 bar

MOBILBOY 311/50

· *With 50 l compressed air vessel*

Features 301/24 and Mobilboy 311/50:



1. **High quality CONDOR quality pressure switch**
2. **High quality filter pressure regulator**
   · *for infinite adjustment of the working pressure with simultaneous separation of dirt, oil and condensate*
3. **One premium, quick-action coupling**
4. **Copper compressed air line**
5. ·10-year guarantee on the pressure vessel against corrosion penetration
6. One pressure gauge each for displaying the vessel and working pressures

New

10 bar

MOBILBOY 361/50 E

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

Professional tools for the building site

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

- Universally deployable in building and DIY applications, COMPACT-AIR 265/10 also for workshop applications
- Quality electric motors with high torque and motor starting current limiter to avoid start-up problems
- Thermal overload protection protects the motor against overheating and overload
- Fully automatic ON/OFF operation
- Full set of safety equipment
- Good protection of all parts exposed to risk during transportation
- Complete maintenance block on inside
- Powder-coated pressure vessel
- Rubberised carrier handle prevents slipping during transportation
- Additional carrying handle allows convenient two-handed carrying of the compressor

COMPACT-AIR E models features:
- Pressure reducer for infinitely variable setting of the desired working pressure
- Automatic pressure switch
- One pressure gauge each for displaying the vessel and working pressures
  Single-handed, quick-action coupling
  Aluminium compressed air lines
- Highly attractive pricing !

COMPACT-AIR 265/10 models features
- Pressure regulator for infinite adjustment of the working pressure
- **Water trap** for separating dirt, oil and condensate
- Automatic **CONDOR pressure switch Premium, single-handed, quick-action coupling**
  Copper compressed air lines
- **10-year guarantee on the pressure vessel** against corrosion penetration

8 bar

COMPACT-AIR 221/10 E
- *Including standard pressure regulator and quick coupling*

10 bar

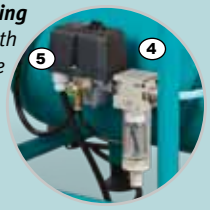
COMPACT-AIR 265/10 E
- *Including standard pressure regulator and quick coupling*

10 bar

COMPACT-AIR 265/10
- *Equipped with **premium quick-action couplings** and **CONDOR** (5) **pressure switch** as factory standard*

Model COMPACT-AIR 265/10

(1) *The ergonomically situated control panel is clearly structured and self-explanatory*
(2) *One pressure gauge each for displaying the vessel and working pressures*
(3) *With **one compressed air take-off point via premium quick-action coupling***
(4) *Equipped with one pressure regulator and one water trap*



Model	COMPACT-AIR 221/10 E	COMPACT-AIR 265/10 E
Article No:	200 5220	200 5261
Model	**-**	**COMPACT-AIR 265/10**
Article no.	-	200 5260
Technical data		
Compressor system*	**HOS**	**HOS**
Maximum volume flow	185 l	250 l
Fill capacity approx.	120 l	155 l
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 (LxWxH) in mm	410 x 340 x 650	395 x 320 x 630
Sound power level**	94 dB(A)	96 dB(A)

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

COMPACT-AIR E Models

(4) ***Pressure regulator** for infinitely variable setting of the desired working pressure*
(5) *One pressure gauge each for displaying the vessel and working pressures*
(6) ***One single-handed, quick-action coupling***
(7) *Automatic **pressure switch***

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 pressures Includes a pressure regulator for infinite 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
- *10-year guarantee on the pressure vessel against corrosion perforation (only for Compact-Air 311/20 and 321/20)*

Fig. COMPACT-AIR 311/20

Protection function
- *Compressor in protected hand cart construction*
- *The tubular frame provides perfect protection against damage to fittings.*

Copper compressed air line

Maintenance block
- *With **premium Condor pressure switch as factory standard*** *
- *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*

Motor
- *Quality electric motors with powerful torque*
- *Motor starting current limiter to avoid start-up problems*
- *Thermal overload protection protects the motor against overheating and overload*

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

Fig. COMPACT-AIR 321/20

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*

** Compact-Air 311/20 & Compact-Air 321/20 only*

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
- Thermal overload protection protects the motor against overheating and overload
- Fully automatic ON/OFF operation
- Good protection of all parts exposed to risk during transportation
- Rubberised carrier handle prevents slipping
- Full set of safety equipment
- Compact design for convenient transportation.
- Perfectly suited for on-site applications thanks to all-round protection.

COMPACT-AIR E models features:
- Pressure reducer for infinitely variable setting of the desired working pressure
- Automatic pressure switch
- One pressure gauge each for displaying the vessel and working pressures
- Two single-handed quick-action couplings Aluminium compressed air lines
- Highly attractive pricing !

COMPACT-AIR 311/20 and 321/20 models features
- Pressure regulator for infinite adjustment of the working pressure
- **Water trap** for separating dirt, oil and condensate
- Automatic **CONDOR pressure switch**
- Two **single-handed quick-action couplings** Copper compressed air lines
- **10-year guarantee on the pressure vessel** against corrosion penetration

COMPACT-AIR 311/20 E

COMPACT-AIR 311/20
premium model with more up-market features than otherwise identical model COMPACT-AIR 311/20 E

COMPACT-AIR 361/20 E
With twin-cylinder V motor and single-stage compression

COMPACT-AIR 321/20
The low speed of 1420 rpm reduces vibration and guarantees a longer service life of the twin-cylinder V motor

New

Model	Compact-Air 311/20 E	Compact-Air 361/20 E	-
Article no.:	200 5291	200 5361	-

Model	Compact-Air 311/20	-	Compact-Air 321/20
Article no.:	200 5290	-	200 5300

Technical data			
Compressor system*	**HOS**	**HOS**	**HOS**
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 (LxWxH) 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 18 ** Sound power level according to DIN EN ISO 3744 (RL 2000/14/EC)

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 infinitely variable via the standard pressure regulator

Compressed air take-off
- *One take-off point for compressed air equipped with **premium quick-action couplings as a factory standard***

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 pressures

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

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*

New

Oil-free!

HDS - High performance continuous lubricating system
- *The system was developed for tough, continuous use wherever oil-free and clean compressed air is required*

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 pressures
  *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*

High quality pressure vessel
- *Powder coated pressure vessel, 10-year guarantee against corrosion penetration*

Fig. AIRCAR BX 330 OF PRO

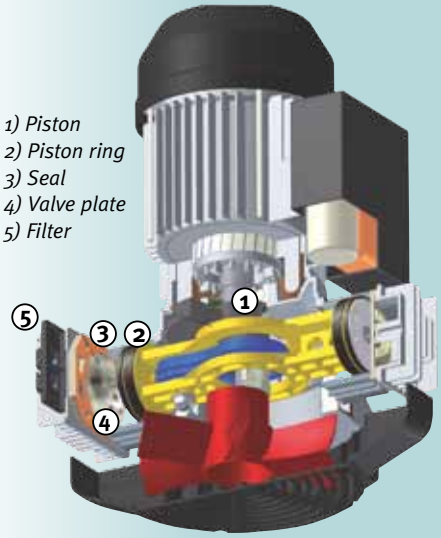
COMPACT-AIR BX / AIRCAR BX - Compact design for convenient transportation. Perfectly suited for on-site applications thanks to all-round protection.

- Universally applicable for installation work and in workshops
- Perfect for use by builders and similar on construction sites
  Specially designed for work areas where it is necessary to work with clean air or at low temperatures, for example, in plasma cutting, and in the food and delicatessen industries
- For powering large nailing tools, ratchet and impact driving tools, paint guns and much more
  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
- **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
- Thermal overload protection protects the motor against overheating and overload
- Fully automatic ON/OFF operation
- Full set of safety equipment
- With **premium quick-action couplings** and premium **CONDOR pressure switch**
- The large stable wheels and the broad wheelbase provide for safe and comfortable transportation
- Lightweight for easy transportation
- Powder coated pressure vessel, **10-year guarantee against corrosion penetration**

COMPACT-AIR BX 240 SILENT
COMPACT-AIR BX 330 OF PRO
Two identical models

AIRCAR BX 330 OF PRO

Your benefits



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*

	New		New
Model	**COMPACT-AIR BX 240 SILENT**	**COMPACT-AIR BX 330 OF PRO**	**AIRCAR BX 330 OF PRO**
Article no.	200 5310	200 5301	200 5400
Technical data			
Compressor system*	**HDS**	**HDS**	**HDS**
Maximum volume flow	240 l	330 l	330 l
Fill capacity approx.	150 l	200 l	200 l
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 (LxWxH) in mm	500 x 560 x 810	500 x 560 x 810	670 x 545 x 570
Sound pressure level***	65 dB(A)	80 dB(A)	78 dB(A)
Sound power level****	78 dB(A)	96 dB(A)	96 dB(A)

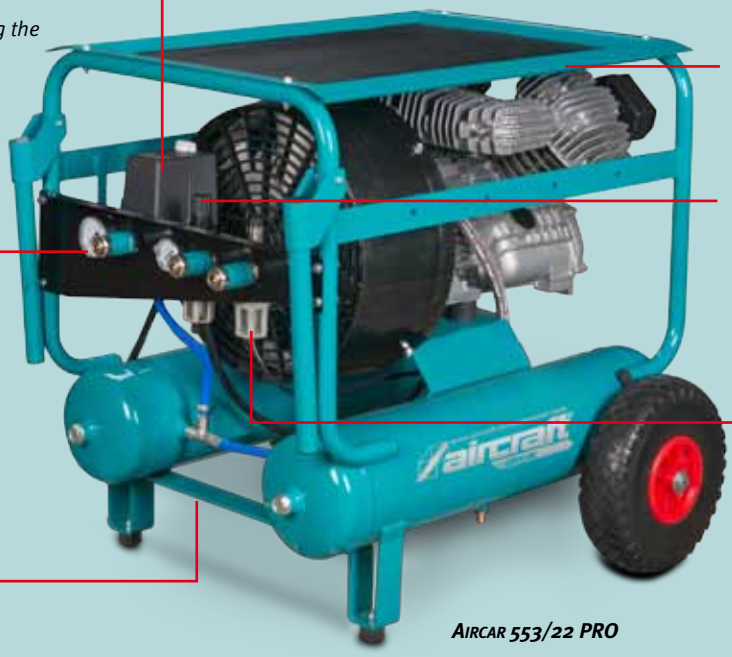
*For a description of the compressor systems, see page 18 *** Sound pressure level at 1 m distance as per DIN 45635 T 13
**** Sound power level as per DIN EN ISO 3744 (RL 2000/14/EG)

New

AIRCAR PRO - the powerful, mobile compressed air centre with practical details in a compact format for professional use

Operation
- *Equipped as a factory standard with a premium **CONDOR pressure switch***
- *On/off switch is protected from the top and easily accessible*
- *The ergonomic control panel is clearly structured and self-explanatory*
  One pressure gauge each for displaying the vessel and working pressures
- *Two compressed air take-off points for filtered compressed air, filtered and oiled compressed air, and a direct compressed air outlet from the pressure vessel*
  *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*



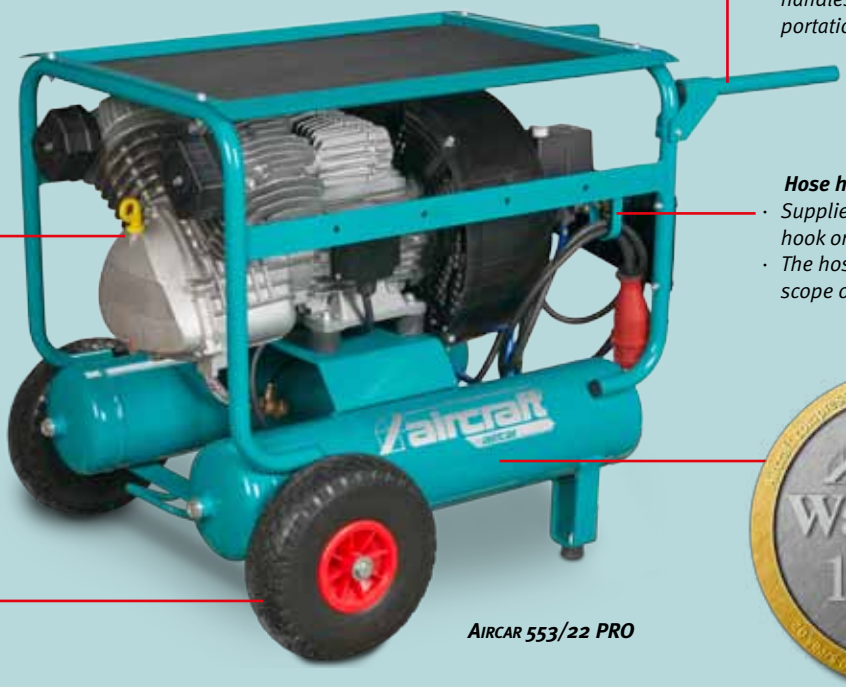
Protection function
- *The frame acts as a tool tray and at the same time provides all-round protection for any sensitive components*
- *The tubular frame and the top-mounted tray provide perfect protection against damage to fittings.*

Filter pressure regulator
The working pressure is infinitely variable via the standard filter pressure regulator with simultaneous separation of dirt and condensate

Oil mist lubricator
- *The factory-standard oil mist lubricator ensures a sufficient supply of lubricant to tools*

AIRCAR 553/22 PRO

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*



Handles
- *Equipped with fold-out carrying handles for lifting during transportation*

Hose hook
- *Supplied with a protected hose hook on the inside*
- *The hose is not included in the scope of delivery*

AIRCAR 553/22 PRO

Chassis
- *The large stable wheels and **puncture proof tyres made of PU foam** in combination with the wide wheelbase ensure safe and convenient transportation even on uneven surfaces such as staircases*

High quality pressure vessel
- *Powder coated pressure vessel, 10-year guarantee against corrosion penetration*

New

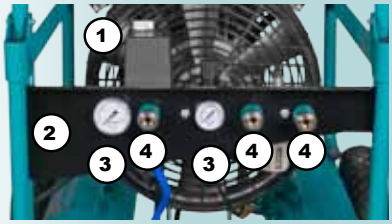
Compact design for convenient transportation. Perfectly suited for daily on-site applications thanks to all-round protection.

- For building and trade applications, e.g., in the workshop for interior construction work and building shell construction
- The frame acts as a tool tray and at the same time provides all-round protection for any sensitive components
- The twin-cylinder high-performance V motor in grey cast iron and the low speed guarantee smooth action and a long compressor service life
- One pressure gauge each for displaying the vessel and working pressures
- 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 pressure vessel
- High quality CONDOR pressure switch
- Puncture-proof PU foam wheels in combination with a broad wheelbase guarantee safe and convenient transportation
- Powder coated pressure vessel, 10-year guarantee against corrosion penetration
- Premium electric motor with high torque and motor starting current limiter to avoid start-up problems
- Thermal overload protection protects the motor against overheating and overload
- Fully automatic ON/OFF operation
- Full set of safety equipment

AIRCAR 321/22 PRO

AIRCAR 553/22 PRO

Your benefits



Features

1. *On/off switch is protected from the top and easily accessible*
2. *The ergonomic control panel is clearly structured and self-explanatory*
   One pressure gauge each for displaying the vessel and working pressures
3. *Three compressed air take-off points for filtered compressed air, filtered and oiled compressed air, and a direct compressed air outlet from the pressure vessel*
4. *With premium quick-action couplings and premium CONDOR pressure switch*

- *Features a twin-cylinder high-performance V motor in grey cast iron*
- *With low-wear direct drive*

Art. no.	AIRCAR 321/22 PRO	AIRCAR 553/22 PRO
Article no.	200 5531	200 5553

Technical data		
Compressor system*	HOS	HOS
Maximum volume flow	310 l	550 l
Fill capacity approx.	240 l	410 l
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	2 x 11 l	2 x 11 l
Cylinders/stages	2/1	2/1
Speed	1420 rpm	1420 rpm
Motor output	2.2 kW/ 230 V	3 kW / 400 V
Weight	53 kg	77 kg
Dimensions (LxWxH) in mm	780 x 685 x 670	780 x 685 x 670
Sound pressure level***	75 dB(A)	81 dB(A)
Sound power level****	91 dB(A)	94 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 EN ISO 3744 (RL 2000/14/EC)

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

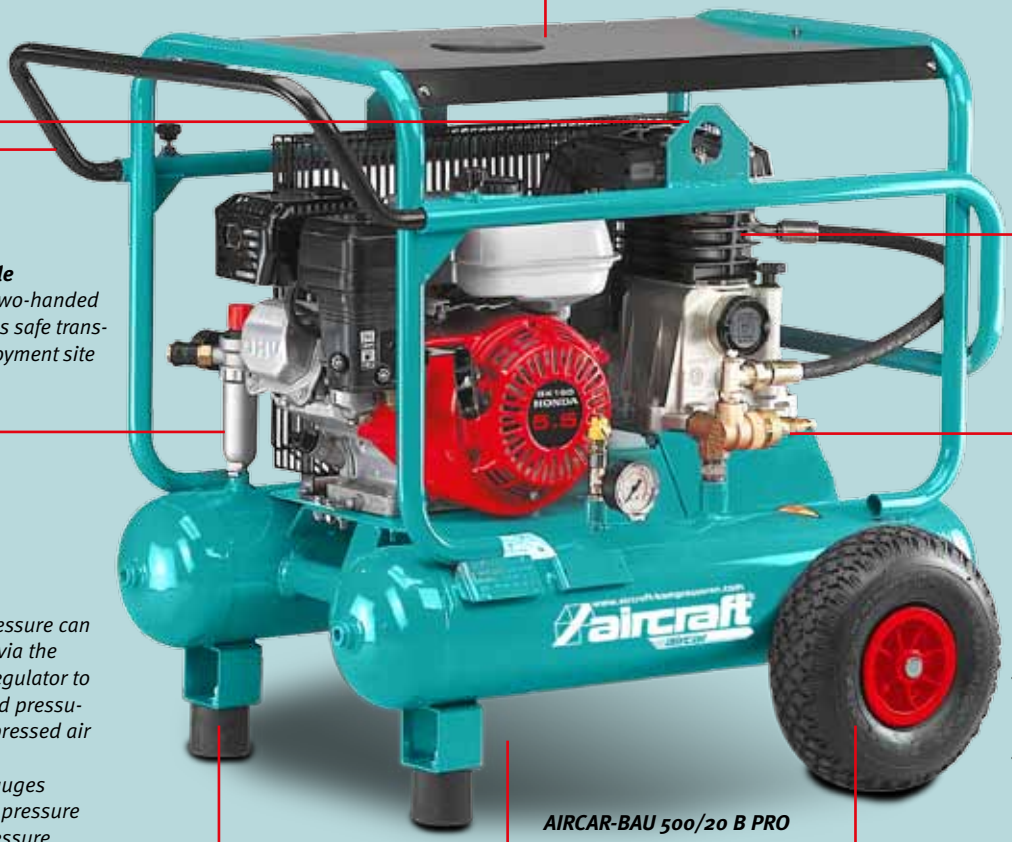
New

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

Transport lugs
- *With two transport lugs on the frame for lifting, e.g., with a crane*

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

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*



AIRCAR-BAU 500/20 B PRO

Transport handle
- *The handle for two-handed gripping ensures safe transport to the deployment site*

- *The working pressure can be infinitely set via the filter pressure regulator to allow for reduced pressure, filtered compressed air take-off*
- *Two pressure gauges show the vessel pressure and working pressure*
- *·equipped with a **quality quick-action coupling** and **CONDOR** premium **pressure switch as a factory standard***

Freewheel valve
Features freewheel valve as factory standard
- *This removes the need for continually switching on and off*
- *The compressor continues to run in no-load state after reaching the preset pressure*

All-round protection
- *The frame acts as a pressure vessel, tool tray holder, and at the same time provides all-round protection for any sensitive components*
- *optimum protection and portable high performance*

PU foam wheels
- *The large stable wheels and **puncture proof tyres made of PU foam** in combination with the wide wheelbase ensure safe and convenient transportation even on uneven surfaces*

Anti-vibration elements
- *Equipped with two large and wide anti-vibration elements for stability*

New

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
- Full set of safety equipment
- 10-year guarantee on the pressure vessel against corrosion penetration

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 two 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
Article no:	200 6530	200 5500
Technical data		
Compressor system*	HOS	HOS
Maximum volume flow	642 l	500 l
Fill capacity approx.	480 l	390 l
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
Weight	121 kg	81 kg
Dimensions (LxWxH) in mm	1050 x 500 x 1060	750 x 700 x 950
Sound power level**	99 dB(A)	97 dB(A)

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

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

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.

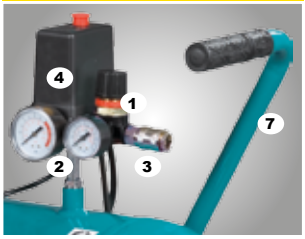
Piston compressors are more economical than screw-type compressors in case of low and fluctuating compressed air requirements. Piston compressors support start/stop operation and do not have an idle mode.

New

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

- Twin-cylinder high-performance grey cast iron motor for a long service life
- Large impeller and a cooling air duct on the cylinder ensure optimum cooling of the compressor
- The premium electric motor with high torque is protected against overheating and overload by a motor circuit breaker
- 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
- Full set of safety equipment
- Complete and ready to connect

E model features



① ***Pressure regulator*** *for infinitely variable setting of the desired working pressure*
② *One pressure gauge each for displaying the vessel and working pressures*
③ *Easy* ***single-handed, quick-action coupling***
④ *Automatic* ***pressure switch***
⑤ *Plastic wheels at rear*
⑥ *Rubber suction pads at front*
⑦ *Simple bracket design*
Similar to detailed illustration

AIRSTAR 321/50 E

AIRSTAR 401/50 E
AIRSTAR 403/50 E

New

AIRSTAR 321/90 E

New

AIRSTAR 401/90 E

				New		New
Model AIRSTAR	**321/50 E**	**321/90 E**	**401/50 E**	**401/90 E**	**403/50 E**	**403/90 E**
Article no:	200 8312	200 8315	200 9413	200 9414	200 9433	200 9434
Technical data						
Compressor system*	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	235 l	235 l	365 l	365 l	365 l	365 l
Fill capacity approx.	185 l	185 l	266 l	266 l	266 l	266 l
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar
Vessel capacity	50 l	90 l	50 l	90 l	50 l	90 l
Cylinders/stages	2/1	2/1	2/1	2/1	2/1	2/1
Speed	1040 rpm	1040 rpm	1375 rpm	1375 rpm	1375 rpm	1375 rpm
Motor output	1.5 kW/ 230 V	1.5 kW/ 230 V	2.2 kW / 230 V	2.2 kW / 230 V	2.2 kW / 400 V	2.2 kW / 400 V
Weight	48.5 kg	61,5 kg	57.5 kg	67,5 kg	57.5 kg	70 kg
Dimensions (LxWxH) in mm	870 x 400 x 700	1070 x 450 x 770	870 x 400 x 700	1070 x 475 x 780	870 x 400 x 700	1070 x 475 x 780
Sound power level **	92 dB(A)	92 dB(A)	94 dB(A)	94 dB(A)	94 dB(A)	94 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)

The mobile AIRCRAFT AIRSTAR Series compressors

1

High-performance HOS unit

- *The twin-cylinder high-performance V motor in grey cast iron and the low speed guarantee smooth action and a long compressor service life*
- *A re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature*

HOS

2

- *The **premium electric motor** with high torque is protected against overheating and overload by a motor circuit breaker*
- *A start-up capacitor and start-up relief valve ensure a soft start for 230 volt models*

3

Connection

- *Power connection cable with plug*
- ***400 volt models are equipped with a phase inverter** for easy manual changing of the direction of rotation*

4

- *Only fixed screw connections on the **maintenance block**, no hose connections The working pressure is infinitely variable via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate*
- *Two large pressure gauges show the vessel pressure and working pressure Equipped with premium quick-action, single-handed couplings as a factory standard*
- ***Equipped as a factory standard with a** premium **CONDOR pressure switch***

5

- *Ergonomically extended bar for convenient transport in virtually upright posture*
- *No load on the back due to lifting*

6

- *The **rubber handle** prevents slipping*

7

- *The stable **steerable chassis in combination with a clamp brake** allow for convenient transport by removing the need to lift the compressor for transportation*
- *The clamp brake prevents both rotation and rolling of the wheels, thus ensuring maximum stability of the compressor*

Robust quality in trade and demanding DIY applications.

AIRSTAR 503/50

8

- ***Powerful and economic drive***
- *The toothed drive belt facilitates the start-up, improves the running action, and power distribution, and reduces the power draw by up to 30%*

9

- *The large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor*
- *A stable belt guard grille made of metal ensures optimum protection of the components and best possible user safety*

10

- *Corrosion-free valve plates for improved heat dissipation and a long compressor service life*

11

- *Features a practical **transport handle on the pressure vessel***

12

- *The flexible armoured hose with heat protection has a long service life as vibration breakage is ruled out.*
- *The start-up relief valve ensures an easy and depressurized start up*

13

- *The premium quality powder coating guarantees a long pressure vessel service life*
- *The AIRSTAR Series comes with a **10 year guarantee against corrosion penetration** on the pressure vessel*

14

- *The stable **steerable chassis with parking brake, in combination with large puncture-proof PU foam wheels** allows for convenient transportation as there is no need to lift the compressor to move it.*

AIRSTAR -Series - rugged compressors for building and other trades 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
- The premium electric motor with high torque is protected against overheating and overload by a motor circuit breaker
- 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
- Full set of safety equipment
- 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. Power-coated pressure vessel, 10 year guarantee against corrosion penetration on the pressure vessel
- With **premium quick-action couplings** and a premium **CONDOR pressure switch**
- **With a flexible armoured hose line** for heat protection for a long service life as a vibration breaks are ruled out
- Including an **ergonomic bar, rubberised handle** and **transport handle on the vessel** for convenient transportation
- With a stable **steering chassis and clasp 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
Article no.:	200 9410	200 9430	200 9530	200 9531
Technical data				
Compressor system*	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	365 l	390 l	510 l	510 l
Fill capacity approx.	266 l	285 l	400 l	400 l
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	1375 rpm	1490 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 (LxWxH) 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 p. 18 **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

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*
- *Serially equipped with **quality quick couplings** and high quality **CONDOR pressure switch***

AIRSTAR 703/100

AIRSTAR 853/100

- *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*

Model	**AIRSTAR 703/100**	**AIRSTAR 853/100 *****
Article no.:	200 9731	200 9831
Technical data		
Compressor system*	**HOS**	**HOS**
Maximum volume flow	650 l	850 l
Fill capacity approx.	520 l	680 l
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	100 l	100 l
Cylinders/stages	2/2	2/2
Speed	950 rpm	1240 rpm
Motor output	4 kW	5.5 kW
Weight	99 kg	112 kg
Dimensions (LxWxH) in mm	1125 x 480 x 1015	1125 x 480 x 1015
Sound power level**	93 dB(A)	95 dB(A)

*For a description of the compressor systems refer to p. 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 compressors for building and trade applications - features that impress.

1
- *Equipped with a high quality **Condor pressure switch***
- *Fully automatic ON/OFF operation*

2

We help you save - 13 bar instead of 15!
- *Our 15 bar compressors are preset to **13 bar shutdown pressure** as a factory standard (experience shows 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.***
- *To avoid wasting power, we have reduced the switch-off pressure for you*
- *But if you do require the maximum pressure of 15 bar, you can set it via the pressure switch at any time*

3
- *Ergonomically extended bar for convenient transport in virtually upright posture*
- *No load on the back due to lifting*

4
- *The **rubber handle** prevents slipping*

5
- *The **premium electric motor** with high torque is protected against overheating and overload by a motor circuit breaker*

6
- ***400 volts types equipped with phase inverter** for easy manual inversion of the sense of rotation*

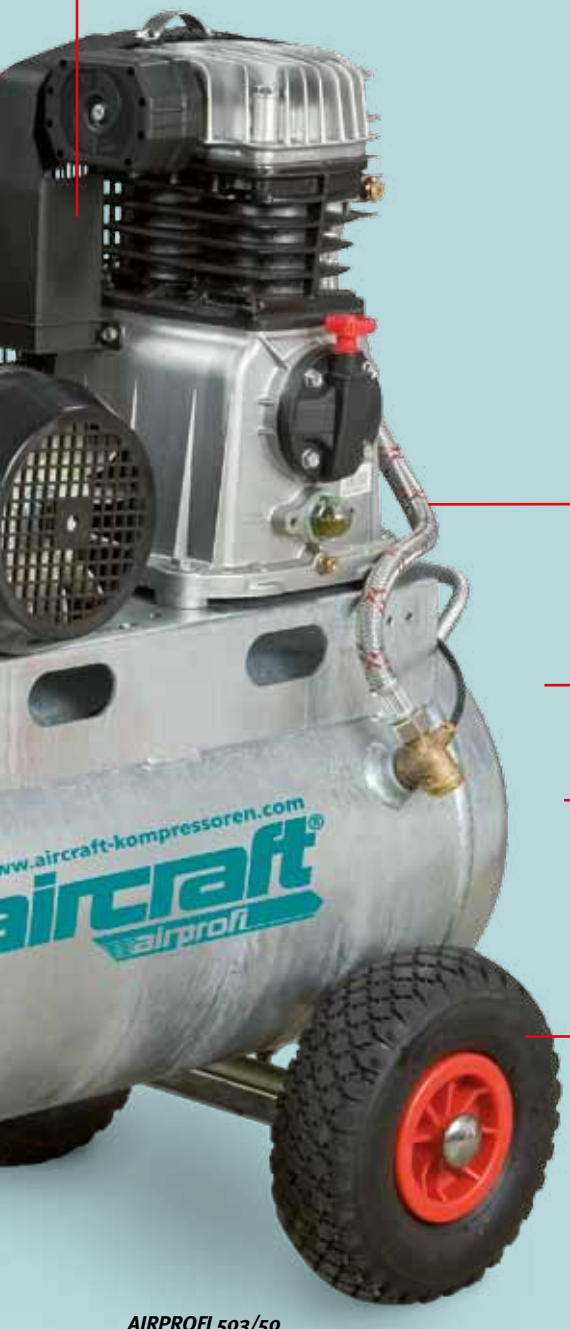
7
- *Only fixed screw connections on the **maintenance block**, no hose connections The working pressure is infinitely variable via the standard filter pressure regulator with simultaneous separation of dirt, oil and condensate*
- *Two large pressure gauges show the vessel pressure and working pressure*
- ***Two compressed air outlets** for filtered compressed air, filtered and oiled compressed air and a compressed air direct outlet from the vessel Equipped with premium quick-action, single-handed couplings as a factory standard*

8
- ***For your safety, AIRCRAFT® is the first manufacturer to equip AIRPROFI compressors with a single-handed safety quick-action coupling as a factory standard***
- *Thanks to venting technology with two separate locking systems the system coupled in depressurised state, thus avoiding backlash from the hose when disconnecting. Your benefits: substantial improvements in user safety*

9
- ***Third compressed air take-off point** via direct outlet with **ball valve** on the pressure vessel*

10
- *The stable **steerable chassis in combination with a clamp brake** allow for convenient transport by removing the need to lift the compressor for transportation*
- *The clamp brake prevents both rotation and rolling of the wheels, thus ensuring maximum stability of the compressor*

Maximum equipment level and best quality at an attractive price!



AIRPROFI 503/50

HOS

11
- ***Powerful and economic drive***
- *The toothed drive belt facilitates the start-up, improves the running action, and power distribution, and reduces the power draw by up to 30%*

12
- *The large impeller and a cooling air baffle on the cylinder ensure optimum cooling of the compressor*
- *A stable belt guard grille made of metal ensures optimum protection of the components and best possible user safety*

13
- *Corrosion-free valve plates for improved heat dissipation and a long compressor service life*

14
- *The **twin-cylinder high-performance motor in grey cast iron** and the **low speed** guarantee smooth action and a long compressor service life*
- ***HOS compressor** guarantees optimum lubrication for durability and excellent reliability*
- *Equipped with high quality suction filter*
- *The re-cooler with large-surface cooling fins ensures a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air, which in turn is gentle on compressed air tools*

15
- *The flexible armoured hose line with heat protection guarantees a long service life by ruling out vibration breaks*
  The start up relief valve guarantees a smooth and depressurized start up

16
- *Features a practical **transport handle on the pressure vessel***

17
- *AIRPROFI compressors guarantee permanent corrosion protection*
- *AIRCRAFT is the first manufacturer to equip AIRPROFI Series compressors **with pressure vessels that are hot-dip galvanized on the interior and exterior** as a factory standard*
- *The AIRPROFI Series comes with a **15 year guarantee against corrosion penetration** on the pressure vessel*

18
- *The **large PU foam tyres are puncture-proof** and ensure convenient transportation*

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-surface 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
- Quality electric motor with high starting torque is protected from overheating and overloading via a protective motor 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
- The flexible armoured hose line with heat protection avoids vibration fractures
- The toothed drive belt facilitates starting
- Stable metal belt guard grille
- Fully automatic ON/OFF operation
- Extended bar with rubberised handle 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
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- With **premium quick-action couplings** and a premium **CONDOR pressure switch**
- Full set of safety equipment
- 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**
Article no.:	201 8410	201 8430	201 8530	201 8531
Technical data				
Compressor system*	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	365 l	390 l	510 l	510 l
Fill capacity approx.	266 l	285 l	400 l	400 l
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	1375 rpm	1360 rpm	1310 rpm	1310 rpm
Motor output	2.2 kW/ 230 V	2.2 kW/ 400 V	3 kW	3 kW
Weight	56 kg	56 kg	66 kg	76 kg
Dimensions (LxWxH) in mm	810 x 430 x 790	810 x 430 x 790	860 x 440 x 880	1275 x 480 x 925
Sound power level****	96 dB(A)	96 dB(A)	95 dB(A)	93 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)

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

One-handed safety couplings
AIRCRAFT is the first manufacturer to use this as a **factory standard**

One-handed safety couplings
- *Two separate locking systems for maximum working safety*
- *Avoiding hose line backlash*

Filter pressure regulator for infinite 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 oiled compressed air and a compressed air direct outlet from 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)*

AIRPROFI 703/75/13

AIRPROFI 703/100

			13 bar	15 bar
Model	**AIRPROFI 703/100**	**AIRPROFI 853/100 ****	**AIRPROFI 703/75/13**	**AIRPROFI 703/100/15 *****
Article no.:	201 8731	201 8831	201 8734	201 8735
Technical data				
Compressor system*	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	650 l	850 l	575 l	575 l
Fill capacity approx.	520 l	680 l	460 l	460 l
Maximum pressure	10 bar	10 bar	13 bar	13 (15) bar
Pressure vessel capacity	100 l	100 l	75 l	100 l
Cylinders/stages	2/2	2/2	2/2	2/2
Speed	950 rpm	1240 rpm	850 rpm	850 rpm
Motor output	4 kW	5.5 kW	4 kW	4 kW
Weight	99 kg	112 kg	103 kg	109 kg
Dimensions (LxWxH) in mm	1275 x 480 x 1015	1275 x 480 x 1015	1020 x 440 x 1015	1275 x 480 x 1015
Sound power level****	93 dB(A)	95 dB(A)	93 dB(A)	94 dB(A)

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

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 Pressure vessel
6 Condensate conditioner for oil-water separation
7 Oil-water separator
8 Microfilter
9 Nanofilter
10 Activated carbon filter
11 Compressed air energy saver

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

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.

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 Pressure vessel
4 Automatic condensate drain
5 Condensate conditioner for oil-water separation
6 Microfilter
7 Compressed air refrigeration dryer
8 Bypass line
9 Nanofilter
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 compressors - 10 bar

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.

Note !

For compressors with a motor output of 5.5 kW, please contact your local electricity utility to check whether the use of a star-delta switch is required and automated start-up control are required.

In case of installation by AIRCRAFT service engineers, a qualified electrician must install the electrical supply line to the compressor installation site in advance.

K = with refrigeration dryer

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

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
- A re-cooler with large-surface cooling fins and an intermediate cooler for the re-cooler ensure a low pressure vessel inlet temperature, thus reducing the moisture content of the compressed air
- The premium electric motor with high torque is protected against overheating and overload by a motor circuit breaker
- Equipped with a phase inverter as a factory 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
  Power-coated pressure vessel, 10 year guarantee against corrosion penetration on the pressure vessel
- Full set of safety equipment
- 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**
Article no.:	202 8753	202 8752
Technical data		
Compressor system [1]	**HOS**	**HOS**
Maximum volume flow	650 l	650 l
Fill capacity 6-10 bar	520 l	520 l
Maximum pressure	10 bar	10 bar
Pressure vessel capacity	270l	270 l
Cylinders/stages	2/2	2/2
Speed	950 rpm	950 rpm
Motor output	4 kW	4 kW
Weight	160 kg	160 kg
Dimensions (LxWxH) in mm	1950 x 600 x 1250	720 x 720 x 1770
Sound pressure [2]	80 dB(A)	80 dB(A)
Air outlet	3/4"	3/4"

[1] For a description of the compressor systems refer to page 18 [2] Sound pressure level at a distance of 1 m as per DIN 45635 T 13

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 after-cooler provide a low vessel inlet temperature and thus reduce the condensate formation
- The large impeller ensures optimum cooling
- Fully automatic ON/OFF operation
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Flexible armoured hose line with heat protection avoids vibration fractures
- Three compressed air take-off points on the vessel
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- 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**

AIRPROFI 853/270 V
Delivery including anti-vibration elements

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** 4)	**AIRPROFI 1003/270/10 V** 4)	**AIRPROFI 1253/270/10 V**
Article no.	202 4712	202 4812	202 4912	202 5012
Model	**AIRPROFI 703/270/10 VK**	**AIRPROFI 853/270/10 VK** 4)	**AIRPROFI 1003/270/10 VK** 4)	**AIRPROFI 1253/270/10 VK**
Article no.	202 4712 K	202 4812 K	202 4912 K	202 5012 K
Model	**AIRPROFI 703/270/10 VKK**	**AIRPROFI 853/270/10 VKK** 4)	**AIRPROFI 1003/270/10 VKK** 4)	**AIRPROFI 1253/270/10 VKK**
Article no.	202 4712 KK	202 4812 KK	202 4912 KK	202 5012 KK

Technical data				
Compressor system 1)	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	650 l	850 l	960 l	1200 l
Fill capacity 6-10 bar	520 l	680 l	750 l	900 l
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	5.5 kW 4)	5.5 kW 4)	7.5 kW
Weight	160 kg	170 kg	160 kg	160 kg
Dimensions (LxWxH) in mm 2)	780 x 710 x 1870	780 x 710 x 1870	850 x 710 x 1950	850 x 710 x 1950
Sound pressure 3)	83 dB(A)	83 dB(A)	82 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"

1) For a description of the compressor systems, see page 18 2) Dimensions of basic model 3) Sound pressure level at a distance of 1 m as per DIN 45635 T 13
4) 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*
- *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 25 microns.*
- *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, atmospherical dew point at -22°C Illustrated microfilter only standard equipment with "KK" type*

AIRPROFI 853/270 VKK

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.

- *The two-cylinder, high-performance, two-stage compressor motor with a grey cast iron cylinder block guarantees smooth action and a long service life*
- *The large impeller ensures optimum cooling*
- *The low speed ensures a highly efficient air feed performance while reducing wear*
- *The intercooler and aftercooler with large surface area cooling finds ensure a low pressure vessel inlet temperature and thus reduce condensate build-up*
- *Flexible armoured hose line for heat protection for a long service life as a vibration breaks are ruled out*

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

Scope of delivery VK:
- Safety pallet
- refrigeration dryer

Scope of delivery VKK:
- Safety pallet
- refrigeration dryer Microfilter
- Condensate conditioner for oil-water separation
- Automatic condensate drain

Accessories	Article no:
1 Anti-vibration element with single-sided thread 100x38 mm / M10	250 5640
1 Anti-vibration element with two-sided Thread 70x38 mm / 2xM10 (for SSP)	250 5650
Safety stand pallet SSP upright stationary 1200 x 800 x 140 mm	203 0103
Automatic star-delta switch With operating hour counter (Mandatory in some regions as of 5.5 kW)	250 6010

AIRPROFI H Series 10 bar - Stationary compressors with a horizontal pressure vessel, for maximum compressed air availability. K variant with refrigeration dryer.

- The twin-cylinder or four-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 after-cooler provide a low vessel inlet temperature and thus reduce the condensate formation
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Equipped with a premium **CONDOR pressure switch**
- Completely ready for connection with all fittings
- Flexible armoured hose line with heat protection avoids vibration fractures
- **As of 7.5 kW, equipped with an automatic star delta switch as factory standard**

Additional equipment for "K" type:
- Refrigeration dryer with integrated automatic condensate drain for dry compressed air ensuring a longer service life of compressed air tools and avoiding failure of pneumatic controls

AIRPROFI 853/100/10 H
- *Scope of delivery including a quick-action safety coupling and anti-vibration elements*
- *Equipped with **quality quick-action coupling** and premium **CONDOR pressure switch as a factory standard***

AIRPROFI 1003/500/10 HK - with 500 l pressure vessel for maximum compressed air availability!
add-on refrigeration dryer included in the scope of delivery

Model AIRPROFI	**703/100/10 H**	**853/100/10 H**	**703/300/10 H**	**853/300/10 H** [3]	**853/500/10 H** [3]	**1003/500/10 H** [3]
Article no.:	202 2273	202 2283	202 5713	202 5813	202 5815	202 5915
Model	-	-	**703/300/10 HK**	**853/300/10 HK** [3]	**853/500/10 HK** [3]	**1003/500/10 HK** [3]
Article no.:	-	-	202 5713 K	202 5813 K	202 5815 K	202 5915 K

Technical data						
Compressor system [1]	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	650 l	850 l	650 l	850 l	850 l	950 l
Fill capacity 6-10 bar	520 l	680 l	520 l	680 l	680 l	750 l
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	100 l	100 l	300 l	300 l	500 l	500 l
Cylinders/stages	2/2	2/2	2/2	2/2	2/2	2/2
Speed	950 rpm	1240 rpm	950 rpm	1240 rpm	1240 rpm	960 rpm
Motor output	4 kW	5.5 kW [4]	4 kW	5.5 kW [3]	5.5 kW [3]	5.5 kW [3]
Weight	98 kg	110 kg	190 kg	195 kg	235 kg	245 kg
Dimensions (LxWxH) in mm	1120 x 460 x 960	1120 x 460 x 960	1690 x 500 x 1150	1690 x 500 x 1150	2020 x 570 x 1300	2020 x 570 x 1340
Sound pressure [2]	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)	83 dB(A)	82 dB(A)
Air outlet	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"

[1] For a description of the compressor systems, see page 18 [2] Sound pressure level at a distance of 1 m as per DIN 45635 T 13 [3] 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 25 microns.*
- *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*

AIRPROFI 1283/500/10 H
4-cylinder compressor with 500 litre compressed air vessel

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

		New	New
Model AIRPROFI	**1253/500/10 H**	**1283/500/10 H**	**1703/500/10 H**
Article no.:	202 6015	202 7055	202 7065
Model	**1253/500/10 HK**	**1283/500/10 HK**	**1703/500/10 HK**
Article no.:	202 6015 K	202 7055 K	202 7065 K

Scope of delivery AIRPROFI H:
- Start-up relief
- ·Anti-vibration elements
- Star delta switch with operating hours counting device for 7.5 and 11 kW models

Scope of delivery AIRPROFI HK:
- Start-up relief
- refrigeration dryer
- ·Anti-vibration elements
- Star delta switch with operating hours counting device for 7.5 and 11 kW models

Technical data			
Compressor system[1)]	**HOS**	**HOS**	**HOS**
Maximum volume flow	1200 l	1270 l	1660 l
Fill capacity 6-10 bar	900 l	914 l	1195 l
Maximum pressure	10 bar	10 bar	10 bar
Pressure vessel capacity	500 l	500 l	500 l
Cylinders/stages	2/2	4/2	4/2
Speed	1220 rpm	870 rpm	1140 rpm
Motor output	7.5 kW	7.5 kW	11 kW
Weight	245 kg	320 kg	325 kg
Dimensions (LxWxH) in mm	2020 x 570 x 1340	2020 x 570 x 1400	2020 x 570 x 1400
Sound pressure [2)]	82 dB(A)	86 dB(A)	86 dB(A)
Air outlet	3/4"	3/4"	3/4"

[1)] For a description of the compressor systems refer to page 18 [2)] Sound pressure level at a distance of 1 m as per DIN 45635 T 13

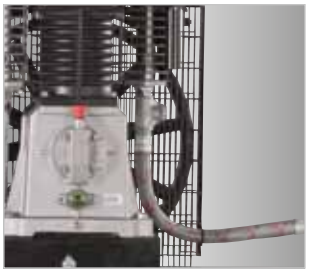
New

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
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Flexible armoured hose line 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 a factor standard



· *Flexible armoured hose line 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 [3]
Article no.:	202 6715	202 6915
Technical data		
Compressor system [1]	HOS	HOS
Maximum volume flow	2 x 650 l	2 x 960 l
Fill capacity 6-10 bar	2 x 520 l	2 x 750 l
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 [4]
Weight	280 kg	300 kg
Dimensions (LxWxH) in mm	2020 x 570 x 1300	2020 x 570 x 1340
Sound pressure [2]	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
250 6021	Option base load alternating control for AIRPROFI TANDEM * (see page 86 for a detailed description)

* cannot be retrofitted, only for new machine orders

[1] Description of compressor system see page 18
[2] Sound pressure level at 1 m distance as per DIN 45635 T 13
[3] Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW

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 guarantees smooth action and a long service life
  Low speeds ensures a smooth, virtually vibration free action and a long service life
- The large impeller ensures optimum cooling
- Premium electric motors, protected against overheating and overload by motor circuit breakers
- Equipped with a phase inverter as a factory standard 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 tank and working pressure, premium **CONDOR pressure switches**
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- fully-automated switch 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 helping to build up a larger reserve of compressed air
- and thus covering short term compressed air requirement peaks
- for, e.g., chisel hammer or sand-blasting 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

- *"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*

Duo 853/2x100/10

Duo 853/2x100/10 KK

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

Model	**Duo 853/2x100/10** [4]
Article no.:	202 3085
Model	**Duo 853/2x100/10 K** [4]
Article no.:	202 3086
Model	**Duo 853/2x100/10 KK** [4]
Article no.:	202 3087

Technical data	
Compressor system [1]	**HOS**
Maximum volume flow	850 l
Fill capacity approx.	680 l
Maximum pressure	10 bar
Pressure vessel capacity	2 x 100 l
Cylinders/stages	2/2
Speed	1240 rpm
Motor output	5.5 kW/400 V [4]
Weight	235 kg
Dimensions (LxWxH) in mm	1200 x 900 x 1140
Sound pressure [3]	83 dB(A)
Air outlet on pressure vessel	3/4"
Air outlet on refrigeration dryer	1/2"

Scope of delivery K:
- With refrigeration dryer

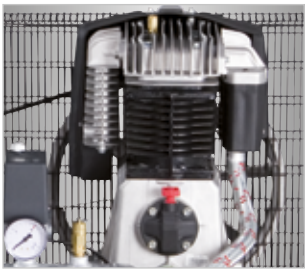
Scope of delivery KK:
Microfilter
- refrigeration dryer
  Automatic condensate drain
- Condensate conditioner for oil-water separation

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

[1] For a description of the compressor system see page 18
[3] Sound pressure level at a distance of 1 m as per DIN 45635 T 13
[4] 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
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- 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
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Equipped with a 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
- To avoid expensive repairs to legacy equipment

Model	**AIRPROFI BK 703/13/10**	**AIRPROFI BK 1003/13/10** [4]
Article no:	202 9711	202 9911
Technical data		
Compressor system [1]	**HOS**	**HOS**
Maximum volume flow	650 l	960 l
Fill capacity 6-10 bar	520 l	750 l
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 [4]/400 V
Weight	55 kg	80 kg
Dimensions (LxWxH) in mm	685 x 745 x 675	685 x 790 x 745
Sound pressure [3]	83 dB(A)	83 dB(A)
Air outlet	3/4"	3/4"

[1] For a description of the compressor systems, see page 18
[3] Sound pressure level at a distance of 1 m as per DIN 45635 T 13
[4] 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 l of addition air volume without the need for TÜV approval in Germany.* ***See page 84 for more details***

Stationary compressors - 13-15 bar

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.

We help you save - 13 bar instead of 15!
Our 15 bar compressors are preset to 13 bar shut-down 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

Note !

For compressors with a motor output of 5.5 kW, please contact your local electricity utility to check whether the use of a star-delta switch is required and automated start-up control are required.

In case of installation by AIRCRAFT service engineers, a qualified electrician must install the electrical supply line to the compressor installation site in advance.

K = with refrigeration dryer

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

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
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Flexible armoured hose line with heat protection avoids vibration fractures
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Equipped with a premium **CONDOR pressure switch**
- Completely ready for connection with all fittings

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

AIRPROFI 753/270 V
Scope of delivery includes
Anti-vibration elements

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 753/270 VKK
- *Incl. safety pallet*

Model	**AIRPROFI 703/270/15 V**	**AIRPROFI 753/270/15 V**
Article no:	202 4752	202 4852
Model	**AIRPROFI 703/270/15 VK**	**AIRPROFI 753/270/15 VK**
Article no.	202 4752 K	202 4852 K
Model	**AIRPROFI F 703/270/15 VKK**	**AIRPROFI 753/270/15 VKK**
Article no.	202 4752 KK	202 4852 KK

Scope of delivery VK:
- Refrigeration dryer
- Safety pallet

Scope of delivery VKK:
- Refrigeration dryer Microfilter
- Condensate conditioner for oil-water separation
- automatic condensate drain
- Safety pallet

Technical data		
Compressor system [1]	**HOS**	**HOS**
Maximum volume flow	575 l	750 l
Fill capacity	460 l	525 l
Maximum pressure [3]	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 [4]
Weight	190 kg	190 kg
Dimensions (LxWxH) in mm	745 x 620 x 1860	850 x 710 x 1950
Sound pressure [2]	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

[1] Description of compressor system see page 18
[2] Sound pressure level at 1 m distance 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 pressure switch
[4] Please observe your local energy utility's rules for compressors with a motor output of 5.5 kW

Accessories

· *matching refrigeration dryers, automatic condensate drains, condensate conditioners for oil-water separation and microfilters; see page 90 ff.*

AIRPROFI 1103/500/15 H
4-cylinder compressor with 500 litre compressed air vessel

AIRPROFI 703/75/13 H
SIMILAR TO FIG.
- *Includes 75 l pressure vessel*
- *Professional compressor with 13 bar operating pressure*
- *A switch-off pressure of 13 bar is typical in practical applications*

AIRPROFI 903/500/15 H
- Includes 500 l pressure vessel boost your available compressed air supply to *the max.*

Scope of delivery AIRPROFI H:
- 1 safety quick-action coupling for 703/75/13 H model
- Start-up relief
- Anti-vibration elements
- Star delta switch with operating hours counting device for models with 7.5 motor

Scope of delivery AIRPROFI HK:
as above and additionally featuring:
- Automatic star delta switch with operating hours counting device for models with 7.5 motor
- Start-up relief
- Refrigeration dryer with and integrated condensate drain
- Anti-vibration elements

New

Model AIRPROFI	**703/75/13 H**	**703/300/15 H**	**753/300/15 H**	**903/500/15 H**	**1103/500/15 H**
Article no.:	202 2275	202 5753	202 5853	202 5955	202 7155
Model	-	**703/300/15 HK**	**753/300/15 HK**	**903/500/15 HK**	**1103/500/15 HK**
Article no.:	-	202 5753 K	202 5853 K	202 5955 K	202 7155 K

Technical data

Compressor system[1]	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	575 l	575 l	750 l	1030 l	1065 l
Fill capacity	460 l	460 l	525 l	765 l	790 l
Maximum pressure	13 bar	13 (15) bar [3]	13 (15) bar [3]	13 (15) bar [3]	13 (15) bar [3]
Pressure vessel capacity	75 l	300 l	300 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 [5]	7.5 kW	7.5 kW
Weight	103 kg	220 kg	230 kg	300 kg	350 kg
Dimensions (LxWxH) in mm	850 x 460 x 960	1690 x 500 x 1150	1690 x 500 x 1190	2020 x 570 x 1340	2020 x 570 x 1400
Sound pressure [2]	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"

[1] For a description of the compressor systems see page 18 [2] 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 [4] TÜV-free only applies in Germany [5] Observe your local power utility's rules for compressors with a motor output of 5.5 kW

New

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
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Flexible armoured hose line 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 a factor standard

- *Flexible armoured hose line 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**
Article no.:	202 6755	202 6855

Technical data		
Compressor system[1)]	**HOS**	**HOS**
Maximum volume flow	2 x 575 l	2 x 750 l
Fill capacity	2 x 460 l	2 x 525 l
Maximum pressure [3)]	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 [4)]
Weight	310 kg	320 kg
Dimensions (LxWxH) in mm	1950 x 600 x 1295	2020 x 570 x 1340
Sound pressure [2)]	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**
250 6021	Option base load alternating control for AIRPROFI TANDEM * (see page 86 for a detailed description)

* cannot be retrofitted, only for new machine orders

[1)] Description of compressor system see page 18
[2)] Sound pressure level at 1 m distance 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 pressure switch
[4)] 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
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- 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
- Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration
- Equipped with a premium **CONDOR pressure switch**
- Flexible armoured hose line with heat protection avoids vibration fractures
- 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 703/13/15

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
- To avoid expensive repairs to legacy equipment

Model	**AIRPROFI BK 703/13/15**	**AIRPROFI BK 753/13/15**
Article no:	202 9751	202 9851
Technical data		
Compressor system [1]	**HOS**	**HOS**
Maximum volume flow	575 l	750 l
Fill capacity	460 l	525 l
Maximum pressure [2]	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 [4]
Weight	55 kg	75 kg
Dimensions (LxWxH) in mm	685 x 745 x 675	685 x 790 x 745
Sound pressure [3]	83 dB(A)	82 dB(A)
Air outlet	3/4"	3/4"

**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

[1] For a description of the compressor systems see page 18 [2] Set to 13 bar switch-off pressure as a factory standard; maximum pressure of 15 bar configurable via the pressure switch [3] Sound pressure level at a distance of 1 m as per DIN 45635 T 13 [4] Observe your local power utility's rules for compressors with a motor output of 5.5 kW

Airprofi DUO - Universally deployable compressed air station with 2 x 75 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 guarantees smooth action and a long service life
  Low speeds ensures a smooth, virtually vibration free action and a long service life
- The large impeller ensures optimum cooling
- Premium electric motors are protected against overheating and overload by motor circuit breakers
- Equipped with a phase inverter as a factory standard 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 tank and working pressure, premium **CONDOR pressure switch**
- fully-automated switch on/off operation
- Completely ready for connection with all fittings

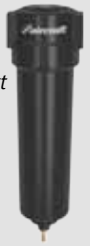
- ***"K" variant*** *equipped with a refrigeration dryer and integrated automatic condensate drain as a factory standard*
- *Pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C*

Duo 703/2x75/10 KK
Similar to figure

Flexibility on top

- Enabling the second compressed air vessel doubles the pressure vessel volume, thus helping to build up a larger reserve of compressed air
- and thus covering short term compressed air requirement peaks
- for, e.g., chisel hammer or sand-blasting 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

- *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 the pressure vessel*
- *This ensures condensate separation without unnecessary pressure loss*

Model	**Duo 703/2x75/13**
Article no.:	202 3185
Model	**Duo 703/2x75/13 K**
Article no.:	202 3186
Model	**Duo 703/2x75/13 KK**
Article no.:	202 3187

Technical data	
Compressor system [1]	**HOS**
Maximum volume flow	575 l
Fill capacity	460 l
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 (LxWxH) in mm	1200 x 900 x 1140
Sound pressure [3]	79 dB(A)
Air outlet on pressure vessel	3/4"
Air outlet on refrigeration dryer	1/2"

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

Scope of delivery K:
- With refrigeration dryer

Scope of delivery KK:
Microfilter
- refrigeration dryer
  Automatic condensate drain
- Condensate conditioner for oil-water separation

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

AIRPROFI Silent Series

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

- *Only fixed screw connections on the maintenance block, no hose connections*
  The working pressure is infinitely 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 pressure vessel via **premium, quick-action safety couplings** and a **premium ball valve**.*
- *Equipped as a factory 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*
- *The system was developed for tough, 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 bar for convenient and easy transport*
- *The factory standard rubber handle prevents slipping*

Flexible armoured hose line with heat protection avoids vibration fractures

- *Equipped with a **ball valve** on the pressure vessel outlet as a factory standard*

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 2 separate interlocking systems*

AIRPROFI 321/100 OF Silent

- *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 pressure vessel against corrosion penetration*

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 motors are protected against overheating and overload by motor circuit breakers
- 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 a factory 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
- Full set of safety equipment

- *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*

AIRPROFI 321/100 Silent

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

Model	**AIRPROFI 321/100 Silent**	**AIRPROFI 321/100 OF Silent**
Article no:	202 2300	202 2310

Technical data		
Compressor system [1]	**HOS**	**HOS**
Maximum volume flow	310 l	320 l
Fill capacity approx.	240 l	230 l
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 (LxWxH) in mm	1275 x 480 x 930	1275 x 480 x 930
Sound power level [3]	82 dB(A)	82 dB(A)

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

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 supports low speeds to achieve a very smooth, virtually vibration free action
- Equipped with a 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 motors are protected against overheating and overload by motor circuit breakers
- The belt can be adjusted from the outside
- fully-automated switch on/off operation
- Full set of safety equipment
- 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 kW, equipped with an automatic star delta switch as factory standard

AIRPROFI 853/10 Silent
- *Equipped with a motor circuit breaker, pressure gauge, on/off switch, operating hours counter, electrical control unit, start-up relief and anti-vibration elements as a factory standard*

The controls
(1) Emergency shutdown switch
(2) On/off switch
(3) Operating hours counter
(4) Pressure gauge

AIRPROFI 853/270/10 V Silent

Model AIRPROFI	**853/10 Silent**	**853/270/10 V Silent**	**853/300/10 H Silent**	**1003/10 Silent**	**1003/500/10 H Silent**
Article no.	202 2801	202 2827	202 2830	202 2850	202 2860
Technical data					
Compressor system [1]	**HOS**	**HOS**	**HOS**	**HOS**	**HOS**
Maximum volume flow	850 l/min.	850 l/min.	850 l/min.	1080 l/min.	1080 l/min.
Fill capacity	680 l/min.	680 l/min.	680 l/min.	845 l/min.	845 l/min.
Maximum pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Pressure vessel capacity	-	270 l	300 l	-	500 l
Cylinders/stages	2/2	2/2	2/2	2/2	2/2
Speed	1240 rpm	1240 rpm	1240 rpm	1100 rpm	1100 rpm
Motor output	5.5 kW/400 V [3]	5.5 kW/400 V [3]	5.5 kW/400 V [3]	7.5 kW / 400 V	7.5 kW / 400 V
Weight	155 kg	225 kg	250 kg	180 kg	364 kg
Dimensions (LxWxH) in mm	790 x 790 x 720	790 x 790 x 2090	1690 x 790 x 1410	930 x 790 x 830	2020 x 790 x 1610
Sound pressure level [2]	67 dB(A)	67 dB(A)	67 dB(A)	73 dB(A)	73 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"	3/4"

[1] For a description of the compressor systems, see page 18 [2]Sound pressure level at a distance of 1 m as per DIN 45635 T 13
[3] Observe your local energy utility's rules for compressors with a motor output of 5.5 kW

AIRPROFI Silent

Low noise emission - 67 db(A) – extremely quiet.

Quality down to the details

(1) Premium intake filter

(2) Equipped as a factory standard with a premium ***CONDOR pressure switch***

(3) ***Improved cooling thanks to separate air duct between motor and compressor***

(4) Low pressure vessel inlet temperature and reduction of condensate build-up, ***intermediate and re-cooler with large cooling fins***

AIRPROFI 853/300/10 H Silent

- *Pressure vessel hot-dip galvanized on the interior and exterior; 15-year guarantee on the pressure vessel against corrosion penetration*
- *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, start-up relief, non-return valve, condensate drain, ball valve and anti-vibration elements*

Model AIRPROFI	703/15 Silent	903/15 Silent	703/270/15 V Silent	703/300/15 H Silent	903/500/15 H Silent
Article no.	202 2805	202 2855	202 2829	202 2835	202 2865
Technical data					
Compressor system [1]	HOS	HOS	HOS	HOS	HOS
Maximum volume flow	705 l/min.	900 l/min.	705 l/min.	702 l/min.	900 l/min.
Fill capacity	545 l/min.	675 l/min.	545 l/min.	545 l/min.	675 l/min.
Maximum pressure	15 bar	15 bar	15 bar	15 bar	15 bar
Pressure vessel capacity	- -	270 l 300 l 500 l			
Cylinders/stages	2/2	2/2	2/2	2/2	2/2
Speed	1045 rpm	920 rpm	1045 rpm	1045 rpm	920 rpm
Motor output	5.5 kW/400 V	7.5 kW/400 V	5.5 kW/400 V	5.5 kW / 400 V	7.5 kW / 400 V
Weight	155 kg	180 kg	255 kg	280 kg	410 kg
Dimensions (LxWxH) in mm	790 x 790 x 720		930 x 790 x 830	790 x 790 x 2090	1690 x 790 x 1410 2020 x 790 x 1610
Sound pressure level [2]	70 dB(A)	70 dB(A)	70 dB(A)	70 dB(A)	70 dB(A)
Air outlet	3/4"	3/4"	3/4"	3/4"	3/4"

[1] For a description of the compressor systems refer to page 18 [2] Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Screw-type compressors

Innovation, quality and economy - our prime objectives!



Quality for more than 20 years

In close partnership AIRCRAFT markets screw-type compressors by the renowned compressor manufacturer FINI. For over 20 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.

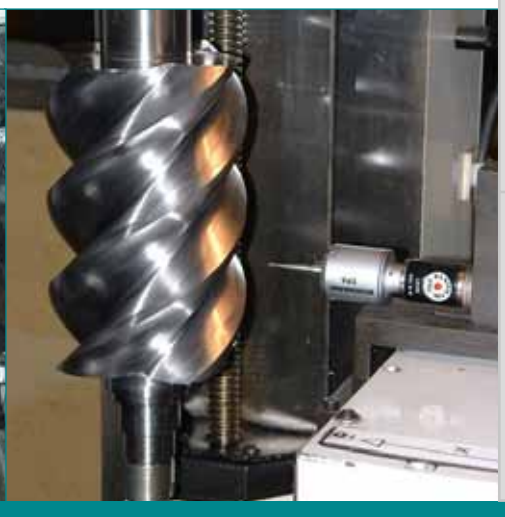
Maximum precision and repeatability

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 over 15 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.





Screw-type compressors for economic permanent operations!

The output range is between 4.0 and 250 kW with final pressures of 8, 10 and 13 bar.

These screw-type compressors are our response to the requirements of small to medium-sized industrial operations where compressed air is one of the most important sources of energy.
They are designed for permanent operation under the toughest conditions, with a particular focus on energy efficiency, low operating and maintenance costs, easy of installation and operation.

Aircraft screw-type compressors: the benefits
- Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components
- Highly efficient noise-insulation as a factory standard for almost all models allows for deployment in sensitive areas
- Small footprint facilitates transport and deployment
- Optimum operating temperatures thanks to thermostatically controlled fans (except for PLUS series), optimum cooling air guidance and generously dimensioned heat exchangers, thus ensuring a longer service life and less oil temperature fluctuation than with thermostat control

As of A-K-MID Series (page 76)
- Compressors are controlled by a pressure sensor and the EasyTRONIC electronic control
- With directional control for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- With a star-delta switch as a factory standard
- Also available with frequency control for active energy saving

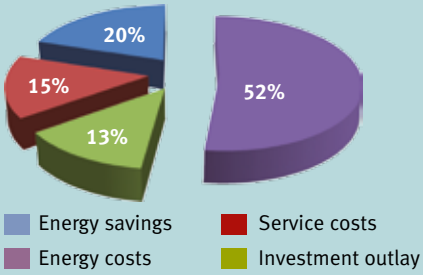
State-of-the-art precision manufacturing of the compressors for uncompromising quality products

SpeedTronic-Control – Energy savings thanks to frequency controlled compressors

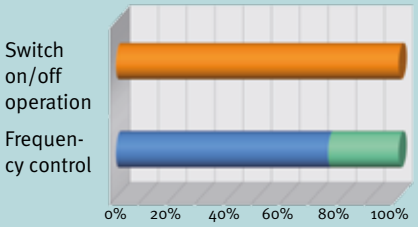
Based on frequency converter technology, the compressor's delivery volume adapts to match the actual consumption. The electronic control unit monitors the motor and compressor speed and keeps the line pressure constant. This gives users advance technology on a minimal footprint.

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.

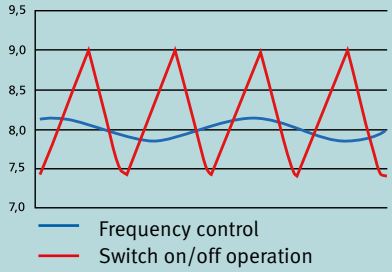
Operating costs



Energy costs



Pressure range



The A Series - an overview

A-MICRO

Screw-type compressor with belt drive, start-stop operation via pressure switch, also available with refrigeration dryer and compressed air pressure vessel

A-KMID

directly coupled screw-type compressors from 5.5 to 7.5 kW, also available with refrigerant dryer and compressed air pressure vessel - version “STC” with frequency control

A-QUADRO

directly coupled screw-type compressors from 11 to 15 kW, also available with refrigerant dryer and compressed air pressure vessel

EasyTRONIC control

The smart control and monitoring system

The clear-cut control panel with its digital display allows you to manage the functions necessary for starting and shutting down the compressor. Potential problems with the device and information related to operating hours and handling of maintenance work are displayed. The EasyTronic II control unit is equipped with a pressure sensor control and factory standard sense of rotation control for the motor. This avoids damage during commissioning or after a change of location.

EasyTRONIC II control:
- Smart control system
- For entering, monitoring and visualising operation-critical parameters and functions
- Messages shown in clear text instead of cryptic codes
- Automatic sense of rotation control by the control unit prior to compressor start up
- More than 20 configurable parameters

EasyTRONIC micro II control, factory standard features:

- Digital display and emergency shutdown switch
- Function button for setting / changing parameters
- Alarm indicators
- Compressor control lamp: LED lit in load operation
- Standby control lamp
- Emergency shutdown switch

Feature details

EasyTRONIC II control

Buttons

Switches on the compressor

Switches off the compressor

Arrow keys for navigating the menu. Configurable parameters can be accessed and set using the arrow keys.

OK button for confirming settings and accessing the operating parameters menu

Reset button for resetting an alarm

Configurable parameters

Hours prewarning: A freely programmable hour counter automatically counts down the remaining operating hours. When it reaches 0, the control unit switches on the "Maintenance" alarm. This effectively monitors the maintenance intervals for oil, oil filter, air filer and oil microfilter.

Alarm history:
Access the last 30 alarms

Temperature prewarning: The temperature delta (in °C) is set relative to the maximum temperature alarm

Maximum and minimum temperatures: specify the lowest and highest temperatures (configurable from -14°C to 150°C). This is set by default to a minimum temperature of -7°C and a maximum temperature of 110°C.

The idle run compensation phase for the compressor is configurable between 20 and 250 seconds

Pressure sensor:
releases the control unit's analogue input (4-20 mA). The compressor's pressure sensor is connected to this analogue input.
It also monitors the internal pressure.

Operating pressure:
freely configurable operating and line pressure of the compressor

Operating delta:
configurable delta“p“ for the minimum pressure

Maximum pressure:
configurable from 0 to 15 bar

Max. alarm pressure: controls the permissible maximum pressure at which the control unit activates the alarm.

Inverter: For speed-controlled compressors, the control unit detects the inverter when this parameter is enabled and controls the volume flow in dependence on the pressure by adjusting the motor or compressor speed.

A-KMAX-F

directly coupled screw-type compressors from 5.5 to 7.5 kW with frequency control, also available with refrigerant dryer and compressed air pressure vessel

A-PLUS SD

Individual compressors from 18.5 to 30 kW with belt drive

Screw type compressors up to 250 kW are available on request.

A-MICRO Series – 4 kW screw-type compressor with belt drive in noise-insulated housing. For permanent operations, even with low compressed air requirements.

- Space-saving, belt-driven individual 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 as a factory standard for almost all models 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 maximum operating 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

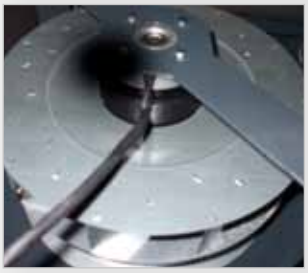
- *Fig. shows open front cover*
- *Service-friendly thanks to optimum accessibility and easy removal and installation of all critical components*

A-MICRO 510-300

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-MICRO Series belt-driven screw type compressor **										
A-MICRO 508	8	580	4.0	5.5	61	580 x 480 x 760	1/2”	-	93	208 9000
A-MICRO 510	10	485	4.0	5.5	61	580 x 480 x 760	1/2”	-	93	208 9001
A-MICRO Series belt-driven screw type compressor with pressure vessel										
A-MICRO 508-300	8	580	4.0	5.5	61	1745 x 600 x 1460	1/2”	300	262	208 9002
A-MICRO 510-300	10	485	4.0	5.5	61	1745 x 600 x 1460	1/2”	300	262	208 9003
A-MICRO Series belt-driven screw type compressor with pressure vessel and flanged-on refrigeration dryer										
A-MICRO 508-300 K	8	580	4.0	5.5	61	1745 x 600 x 1460	1/2”	300	300	208 9004
A-MICRO 510-300 K	10	485	4.0	5.5	61	1745 x 600 x 1460	1/2”	300	300	208 9005

*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

Screw-type, belt driven compressor
- *Minimum energy consumption*
- *Very quiet*



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

- *Premium ribbed belt guarantees optimum power transmission between the motor and compressor ensuring a long service life at the same time*

Model A-MICRO 510-300 K
- *Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel- 15 year guarantee against corrosion penetration*

Accessories

Trolley for A-MICRO Series
- *For easy transportation of this handy compressor*
- *available as an accessory*

Accessories

Art. no.		Designation
208 9905		Trolley for A-MICRO Series screw-type compressors
208 9910	New	Overflow valve (recommended in screw-type compressor operations without pressure vessel)
0251JT0060		Maintenance kit for A-MICRO Series (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018		RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007		RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

New

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

Screw-type, belt driven compressor
- 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

Increased flexibility thanks to "DUO" pressure vessel

- 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 pressure vessel can be isolated from the compressed air supply; this halves the vessel volume helping to build up the pressure more quickly

A-DUO-MICRO 510-2X100
Figure shows standard type

A-DUO-MICRO 510-2X100 KK
Easily transportable and deployable thanks to the safety pallet.
Figure with optional microfilter

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-DUO MICRO Series - belt-driven screw type compressor with 2 x 100 l pressure vessel										
508-2X100	8	580	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	198	208 3805-8
510-2X100	10	485	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	198	208 3805
A-DUO MICRO K Series - belt-driven screw type compressor with 2 x 100 l pressure vessel and flanged-on refrigeration dryer										
508-2X100 K	8	580	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	221	208 3806-8
510-2X100 K	10	485	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	221	208 3806
A-DUO MICRO KK Series - central compressed air system with 2x100 l pressure vessel. Refrigeration compressed air dryer, automatic condensate drain, prefilter and condensate conditioner for oil-water separation										
508-2X100 KK	8	580	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	228	208 3807-8
510-2X100 KK	10	485	4.0	5.5	61	1250 x 950 x 1430	1/2"	2 x 100	228	208 3807

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

New

· *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 dirt with particle sizes of up to 25 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*

· *K and KK variants with refrigeration dryer as factory standard*
· *Pressure dew point at 3°C, ambient temperature 25°C*

Scope of delivery "K"
· Screw-type compressor with flanged-on refrigeration dryer

Scope of delivery "KK"
· Screw-type compressor with flanged-on refrigeration dryer Microfilter
· Condensate conditioner for oil-water separation
· automatic condensate drain on pressure vessel

A-DUO-MICRO 510-2X100KK
Thanks to safety pallet
easily transportable and deployable
Figure with optional microfilter

Screw-type, belt driven compressor
· *Minimum energy consumption*
· *Very quiet*

Accessories

Art. no.	Designation
0251JT0060	Maintenance kit for A-MICRO Series (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018	RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007	RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

A-K-MID Series – directly coupled screw-type compressors for permanent operation and 100% load – designed for maximum operating safety

- Directly coupled coaxial screw-type compressors guarantee absolute freedom from maintenance for the drivetrain with maximum energy efficiency
- 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.
- With a star-delta switch as a factory standard
- With EasyTRONIC II electronic control and 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 directional control for the motor as a factory standard, thus avoiding possible damage during commissioning or after a change of location
- 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
- Small footprint facilitates transport and deployment

Fig. ***Model A-K-MID 710***

- *Service-friendly thanks to optimum accessibility and easy removal and installation of all components that require maintenance*

Fig. ***Model A-K-MID 710-300***

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-KMID Series - directly-flanged screw-type compressors with star-delta switch										
A-K-MID 710	10	705	5.5	7.5	62	720 x 650 x 860	1/2”	-	160	208 9100
A-K-MID 713	13	450	5.5	7.5	62	720 x 650 x 860	1/2”	-	160	208 9101
A-K-MID 1010	10	1050	7.5	10	62	720 x 650 x 860	1/2”	-	165	208 9102
A-K-MID 1013	13	700	7.5	10	62	720 x 650 x 860	1/2”	-	165	208 9103
A-KMID-D Series - directly-flanged screw-type compressors with star-delta switch and pressure vessel										
A-K-MID 710-300	10	705	5.5	7.5	62	1745 x 650 x 1560	1/2”	300	255	208 9104
A-K-MID 713-300	13	450	5.5	7.5	62	1745 x 650 x 1560	1/2”	300	255	208 9105
A-K-MID 1010-300	10	1050	7.5	10	62	1745 x 650 x 1560	1/2”	300	260	208 9106
A-K-MID 1013-300	13	700	7.5	10	62	1745 x 650 x 1560	1/2”	300	260	208 9107
A-KMID-DK Series - directly-flanged screw-type compressors with refrigeration dryer flanged-onto pressure vessel and star-delta switch										
A-K-MID 710-300 K	10	705	5.5	7.5	62	1745 x 650 x 1560	1/2”	300	295	208 9108
A-K-MID 713-300 K	13	450	5.5	7.5	62	1745 x 650 x 1560	1/2”	300	295	208 9109
A-K-MID 1010-300 K	10	1050	7.5	10	62	1745 x 650 x 1560	1/2”	300	300	208 9110
A-K-MID 1013-300 K	13	700	7.5	10	62	1745 x 650 x 1560	1/2”	300	300	208 9111

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

A-KMID-F Series -
- with frequency control "SpeedTronic-Control" for active energy saving
- Frequency control for active energy saving
- Ideal for frequently changing compressed air consumption
- The speed-controlled compressor achieves maximum efficiency and keeps the line pressure constant, despite heavily fluctuating consumption.

For more frequency control benefits, see page 68

- *Directly coupled coaxial screw-type compressors guarantee absolute freedom from maintenance for the drivetrain with maximum energy efficiency*

- *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*

Fig. ***Model A-K-MID 1010-300 STC*** *K*
- *with frequency control and integrated refrigeration dryer on 300 l pressure vessel*
- *Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel*
- *15 year guarantee against corrosion penetration*

EasyTRONIC II
control as a factory standard:

The ergonomically located control panel with digital display and emergency stop switch guarantees a fast overview and easy access to all critical features

! *For a description of the EasyTRONIC II control, please refer to page 69*

Service package and matching compressor oil on page 79

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-KMIDF Series Directly flanged screw type compressors with frequency control										
A-K-MID 1008 STC	8	520 - 1300	7.5	10	63	720 x 650 x 860	1/2”	-	175	208 9120
A-K-MID 1010 STC	10	440 - 1100	7.5	10	63	720 x 650 x 860	1/2”	-	175	208 9121
A-KMID-DF Series Directly flanged screw type compressors with frequency control on pressure vessel										
A-K-MID 1008-300 STC	8	520 - 1300	7.5	10	63	1745 x 650 x 860	1/2”	300	270	208 9122
A-K-MID 1010-300 STC	10	440 - 1100	7.5	10	63	1745 x 650 x 860	1/2”	300	270	208 9123
A-KMID-DF Series Directly flanged screw type compressors with frequency control and add-on refrigeration dryer on pressure vessel										
A-K-MID 1008-300 STC K	8	520 - 1300	7.5	10	63	1745 x 650 x 860	1/2”	300	270	208 9124
A-K-MID 1010-300 STC K	10	440 - 1100	7.5	10	63	1745 x 650 x 860	1/2”	300	270	208 9125

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

A-DUO-K-MID Series – The universally deployable compressed air system with 2 x 100 l pressure vessels on a safety pallet

- Directly coupled coaxial screw-type compressors guarantee absolute freedom from maintenance for the drivetrain with maximum energy efficiency
- 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.
- 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

Increased flexibility thanks to "DUO" pressure vessel

- 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 pressure vessel can be isolated from the compressed air supply; this halves the vessel volume helping to build up the pressure more quickly

A-DUO-K-MID 710-2X100
Figure shows standard type

A-DUO-K-MID 710-2X100 K
Figure shows standard type

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-DUO-K-MID Series - Directly flanged screw-type compressor with star-delta switch and 2 x 100 l pressure vessel										
710-2X100	10	705	5.5	7.5	62	1250 x 820 x 1500	1/2"	2 x 100	245	208 3800
A-DUO-K-MID K Series - Directly flanged screw-type compressor with refrigeration dryer, star-delta switch and 2 x 100 l pressure vessels										
710-2X100 K	10	705	5.5	7.5	62	1250 x 820 x 1500	1/2"	2 x 100	255	208 3801
A-DUO MICRO KK Series - central compressed air system with 2x100 l pressure vessel. Refrigeration compressed air dryer, automatic condensate drain, prefilter and condensate conditioner for oil-water separation										
710-2X100 KK	10	705	5.5	7.5	62	1250 x 820 x 1500	1/2"	2 x 100	265	208 3802

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

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

- *Condensate conditioner for oil-water separation with generously dimensioned exhaust air/coalescence filter and pre- and post-adsorber*

- *Microfilter installed as filter upstream of compressed air take-off for separating condensate and dirt with particle sizes of up to 25 µm*
- *Compressed air quality as per ISO 8573-1*
- *Fig. shows optional fine filter FWF*

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

A-DUO-K-MID 710-2x100 KK
Easily transportable and deployable thanks to the safety pallet.
Figures including optional fine filter FWF

***EasyTRONIC II** control as a factory standard*

The ergonomically located control panel with digital display and emergency stop switch guarantees a fast overview and easy access to all critical features

- *K and KK types equipped with refrigerant dryer as factory standard pressure dew point at 3°C, ambient temperature 25°C*

! *For a description of the EasyTRONIC II control, please refer to page 69*

Scope of delivery K:
- Screw-type compressor with flanged-on refrigeration dryer

Scope of delivery KK:
- Screw-type compressor with flanged-on refrigeration dryer Microfilter
- Condensate conditioner for oil-water separation
- automatic condensate drain on pressure vessel

Accessories

Art. no.	Designation
0251PT0050	Maintenance kit for K-MID (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018	RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007	RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

A-QUADRO Series - Screw-type compressors with ribbed belt drive for continuous operation and 100% load - designed for highest operational safety.

- ribbed belt drives for elastic start-up
- Small overall dimensions and lightweight design, thus easy transportation and space-saving installation
- Equipped with EasyTRONIC micro 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
- Temperature monitoring by a sensor installed directly on the compressor block
- 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
  The ergonomically located control panel with digital display, emergency stop switch and function diagram, guarantees a fast overview and easy access to all critical features
- With directional control 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
- 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

EasyTRONIC micro II
control as a factory standard:

The ergonomically located control panel with digital display and emergency stop switch guarantees a fast overview and easy access to all critical features

! *Description EasyTRONIC II control refer to page 69*

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

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-QUADRO 11 and 15 Series - Belt driven screw-type compressors with star-delta switch										
A-QUADRO 1508	8	1650	11	15	69	800 x 650 x 980	3/4”	-	200	208 9130
A-QUADRO 1510	10	1500	11	15	69	800 x 650 x 980	3/4”	-	200	208 9131
New A-QUADRO 1513	13	1150	11	15	69	800 x 650 x 980	3/4”	-	200	208 9132
A-QUADRO 2008	8	2150	15	20.5	70	800 x 650 x 980	3/4”	-	210	208 9180
A-QUADRO 2010	10	1850	15	20.5	70	800 x 650 x 980	3/4”	-	210	208 9133
A-QUADRO 2013	13	1550	15	20.5	70	800 x 650 x 980	3/4”	-	210	208 9134
A-QUADRO 11 and 15 Series - Belt driven screw-type compressors with star-delta switch										
A-QUADRO 1508-500	8	1650	11	15	69	1980 x 650 x 1630	3/4”	500	332	208 9135
A-QUADRO 1510-500	10	1500	11	15	69	1980 x 650 x 1630	3/4”	500	332	208 9136
New A-QUADRO 1513-500	13	1150	11	15	69	1980 x 650 x 1630	3/4”	500	332	208 9137
A-QUADRO 2008-500	8	2150	15	20.5	70	1980 x 650 x 1630	3/4”	500	350	208 9181
A-QUADRO 2010-500	10	1850	15	20.5	70	1980 x 650 x 1630	3/4”	500	350	208 9138
A-QUADRO 2013-500	13	1550	15	20.5	70	1980 x 650 x 1630	3/4”	500	350	208 9139
A-QUADRO-DK 11 and 15 Series - screw-type compressors with refrigeration dryer flanged onto pressure vessel and star-delta switch										
A-QUADRO 1508-500 K	8	1650	11	15	69	1980 x 650 x 1630	3/4”	500	200	208 9140
A-QUADRO 1510-500 K	10	1500	11	15	69	1980 x 650 x 1630	3/4”	500	200	208 9141
A-QUADRO 1513-500 K	13	1150	11	15	69	1980 x 650 x 1630	3/4”	500	200	208 9142
New A-QUADRO 2008-500 K	8	2150	15	20.5	70	1980 x 650 x 1630	3/4”	500	210	208 9182
A-QUADRO 2010-500 K	10	1850	15	20.5	70	1980 x 650 x 1630	3/4”	500	210	208 9143
A-QUADRO 2013-500 K	13	1550	15	20.5	70	1980 x 650 x 1630	3/4”	500	210	208 9144

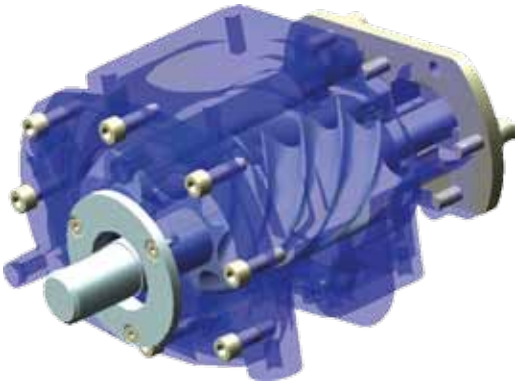
*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

Fig. ***Model A-QUADRO 1510-500 K***
- *with refrigerant dryer and 500 l compressed air vessel*
- *Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel-*
- *15 year guarantee against corrosion penetration*

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

- *Generously dimensioned heat exchanger for optimum operating temperature*
- *Cools the oil and acts as a re-cooler for the compressed air*
- *All lines in the circuit are made of highly temperature-resilient materials*

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



Screw-type, belt driven compressor
- *Minimum energy consumption*
- *Low noise operation*

Accessories

Art. no.	Designation
0251NM0059	Maintenance kit for QUADRO Series (11 and 15 kW) (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018	RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007	RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

A-KMAX-STC 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
- 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 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 directional control 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

EasyTRONIC II
control as a factory standard:

The ergonomically located control panel with digital display and emergency stop switch guarantees a fast overview and easy access to all critical features

! *Description EasyTRONIC II control refer to page 69*

Fig. ***Model A-KMAX-STC***

Fig. ***Model A-KMAX 1510-500 STC***
- *with a 500 l compressed air vessel*
- *Fig. shows optimum accessibility of components, thus guaranteeing easy removal and installation of all components that require maintenance*

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-KMAX-STC Series - Directly flanged screw-type compressors with frequency control										
A-KMAX 1508 STC	8	680 - 1700	11	15	68	1000 x 700 x 1000	3/4”	-	240	208 9150
A-KMAX 1510 STC	10	620 - 1550	11	15	68	1000 x 700 x 1000	3/4”	-	240	208 9151
New A-KMAX 2008 STC	8	950 - 2400	15	20	68	1000 x 700 x 1000	3/4”	-	260	208 9185
A-KMAX 2010 STC	10	840 - 2050	15	20	68	1000 x 700 x 1000	3/4”	-	260	208 9152
A-KMAX-500 STC Series - Directly flanged screw-type compressors with frequency control on the compressed air vessel										
A-KMAX 1508-500 STC	8	680 - 1700	11	15	68	2000 x 730 x 1700	3/4”	500	390	208 9153
A-KMAX 1510-500 STC	10	620 - 1550	11	15	68	2000 x 730 x 1700	3/4”	500	390	208 9154
New A-KMAX 2008-500 STC	8	950 - 2400	15	20	68	2000 x 730 x 1700	3/4”	500	410	208 9186
A-KMAX 2010-500 STC	10	840 - 2050	15	20	68	2000 x 730 x 1700	3/4”	500	410	208 9155

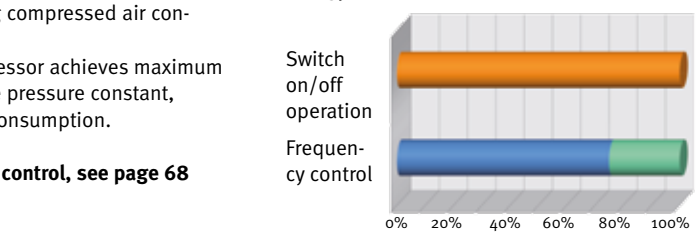
*Sound pressure level at a distance of 1 m as per DIN 45635 T 13

A-KMAX-STC Series with frequency control

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

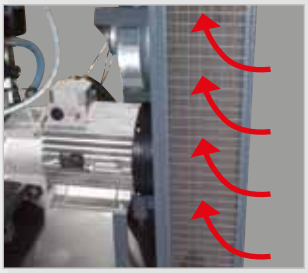
For more details on frequency control, see page 68

Energy costs



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

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



- *Pre-filtering of intake cooling and inlet air*
- *For a cleaner interior*

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

Fig. ***Model A-KMAX 1510-500 STC K***

- *with refrigerant dryer and 500 l compressed air vessel*
- *Permanent protection against corrosion thanks to hot dip galvanising of pressure vessel- 15 year guarantee against corrosion penetration*

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Pressure vessel capacity	Weight	Art. no.
	bar	l/min.	kW	PS	in dB(A)*	mm	G	l	kg	
A-KMAX-500 STC K Series - Directly flanged screw-type compressors with frequency control and refrigeration dryer flanged onto the compressed air vessel										
A-KMAX 1508-500 STC K	8	680 - 1700	11	15	68	2000 x 730 x 1700	3/4"	500	435	208 9156
A-KMAX 1510-500 STC K	10	620 - 1550	11	15	68	2000 x 730 x 1700	3/4"	500	435	208 9157
New A-KMAX 2008-500 STC K	8	950 - 2400	15	20	68	2000 x 730 x 1700	3/4"	500	435	208 9187
A-KMAX 2010-500 STC K	10	840 - 2050	15	20	68	2000 x 730 x 1700	3/4"	500	435	208 9158

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

Accessories

Art. no.	Designation
0260PU0050	Maintenance kit for A-KMAX Series (11 and 15 kW) (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018	RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007	RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

New

A-PLUS SD 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 II 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 directional control 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

***EasyTRONIC II** control as a factory standard*

The ergonomically located control panel with digital display and emergency stop switch guarantees a fast overview and easy access to all critical features

! *For a description of the EasyTRONIC II control, please refer to page 69*

Type	Maximum pressure	Effective delivery volume	Motor output		Noise level	Dimensions (LxWxH)	Connection	Weight	Art. no.
	bar	l/min.	kW/PS	V	dB(A)*	mm	G	kg	
A-PLUS SD 2508	8	2800	18.5 /25	400	71	1100 x 700 x 1065	3/4”	345	208 9170
A-PLUS SD 2510	10	2500	18.5 /25	400	71	1100 x 700 x 1065	3/4”	345	208 9171
A-PLUS SD 2513	13	2150	18.5 /25	400	71	1100 x 700 x 1065	3/4”	345	208 9172
A-PLUS SD 3008	8	3350	22 /30	400	72	1100 x 700 x 1065	3/4”	360	208 9173
A-PLUS SD 3010	10	3000	22 /30	400	72	1100 x 700 x 1065	3/4”	360	208 9174
A-PLUS SD 3013	13	2400	22 /30	400	72	1100 x 700 x 1065	3/4”	360	208 9175

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

New

The screw compressors in our A-PLUS SD Series were designed for continuous operation under the harshest conditions, taking important aspects such as energy consumption, low service and maintenance costs, simple installation and operation into consideration. The entire product, which is manufactured for compliance with applicable standards is checked at every stage of the production process by qualified personnel. This achieves a high standard of quality and guarantees trouble-free operation.

- *Pre-filtering of intake cooling and inlet air as a factory standard*

- *A minimum pressure valve ensures that the required pressure for correct oil circulation is quickly reached.*

- *Oil filter and oil microfilter separator allow easy and fast maintenance*
- *All components are easily accessible via the front panel*

- *Premium longitudinally ribbed belt guarantees optimum power transmission between the motor and compressor ensuring a long service life at the same time*
- *The belt is tensioned by a slide rail system*

- *Two digitally controlled centrifugal fans for optimum cooling even under unfavourable operating conditions, and to allow the operating temperature to be quickly reached*

The heart of the A-PLUS SD Series
Processing is carried out on modern CNC machines. Minimal production tolerances ensure efficient operation and long life. Designed for continuous operation even under difficult conditions.

Accessories

Art. no.	Designation
0260AD0050	Maintenance kit for A-PLUS (1 oil filter, 2 air filter cartridges, 1 oil microfilter separator)
0600000018	RotEnergy compressor oil Plus 46: 3.25 kg / 3.75 l
0600000007	RotEnergy compressor oil Plus 46: 16 kg / 18.5 l

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
- Pressure vessel hot-dip galvanised inside and out, **15 years guarantee on the pressure vessel against corrosion perforation**
- 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 of Aircraft pressure vessel arrays

AIRPROFI 853/100/10 H

- *connected via an optional flexible armoured hose with a double pressure vessel array **KB 2 x 100/10***
- *Pressure vessel arrays can be moved easily with a pallet truck*

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.:	250 2102	250 2132	250 2104	250 2134
Technical data				
Number of vessels	2	2	4	4
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	420x900x1510	420x900x1480	900x900x1510	900x900x1480

Optional equipment	Article no.
Connection set BEKOMAT/ÖWAMAT	
Scope of delivery:	
Öwamat 10, Bekomat 31, all parts for connecting to the respective pressure vessel arrays, including assembly ex works	
Connection kit BEKOMAT/ÖWAMAT to KB2x100 / KB2x75	250 4150
Connection kit BEKOMAT/ÖWAMAT to KB4x100 / KB4x75	250 4151

- *For important information and our full range of condensate treatment systems, refer to the chapter Compressed air treatment on p. Seite 96 ff.*

Figure below: KB 4x100/10
Figure shows accessories: (1) Condensate conditioner with feed line, (2) automatic condensate drain with (3) flexible hoses as feed lines and (4) microfilter

Compressed air vessels up to 100 l, zinc-coated
- with a full set of sleeves for assembly on fittings, inlets and outlets
- hot-dip galvanised inside and out, horizontal

Figure shows a 50 l compressed air vessel, 10 bar with bracket, Art. no. 250 0053

Type	Pressure	Vessel capacity	Vessel connections	Type	Dimensions (LxWxH)	Weight	Art. no.
	bar	l	in inches		mm	kg	
DB VZ 50/10 H K	10	50	3 x 1/2“, 2 x 3/8“	with bracket	800 x 320 x 395	26	250 0053
DB VZ 75/13 H K New	13	75	1 x 2“, 1 x 3/4“, 1 x 1/2“, 2 x 3/8“	with bracket	885 x 360 x 450	36	250 0112
DB VZ 100/10 H K	10	100	1 x 3/4“, 2 x 1/2“, 2 x 3/8“	with bracket	1098 x 360 x 450	37	250 0103
DB VZ 100/10 H	10	100	1 x 3/4“, 2 x 1/2“, 2 x 3/8“	without bracket	1098 x 360 x 450	36	250 0105

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

New

- 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 version

Type	Pressure	Vessel capacity	Vessel connections	Manual/ Manhole	Dimensions (LxWxH)	Weight	Art. no.
	bar	l	in inches		mm	kg	
DB VZ 250/11 V	11	250	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	630 x 590 x 1370	110	250 0625
DB VZ 250/16 V	16	250	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	630 x 590 x 1370	120	250 0825
DB VZ 500/11 V	11	500	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	690 x 640 x 1950	150	250 0650
DB VZ 500/16 V	16	500	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	690 x 640 x 2000	180	250 0850
DB VZ 750/11 V	11	750	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	850 x 800 x 2060	200	250 0675
DB VZ 750/16 V	16	750	2 x 1 1/2", 4 x 1 1/4", 1 x 1", 2 x 1/2"	Recess	850 x 800 x 2060	275	250 0875
DB VZ 1000/11 V	11	1000	1 x 1", 1 x 1 1/2", 4 x 2", 3 x 1/2"	Recess	920 x 850 x 2380	315	250 0680
DB VZ 1000/16 V	16	1000	1 x 1", 1 x 1 1/2", 4 x 2", 3 x 1/2"	Recess	920 x 850 x 2380	380	250 0880
DB VZ 2000/11 V	11	2000	2 x 2", 4 x 2 1/2", 3 x 1/2"	Recess	1220 x 1130 x 2530	500	250 0700
DB VZ 2000/16 V	16	2000	2 x 1", 4 x 2 1/2", 3 x 1/2"	Recess	1220 x 1130 x 2520	620	250 0900
DB VZ 5000/11 V	11	5000	4 x 2 1/2", 2 x 1", 3 x 1/2"	Manhole	1520 x 1440 x 3730	1070	250 0730
DB VZ 5000/16 V	16	5000	4 x 2 1/2", 2 x 2", 3 x 1/2"	Manhole	1520 x 1520 x 3740	1430	250 0930

This execution

Type	Pressure	Vessel capacity	Vessel connections	Manual/ Manhole	Dimensions (LxWxH)	Weight	Art. no.
	bar	l	in inches		mm	kg	
DB VZ 250/11 H	11	250	2 x 1 1/2", 3 x 1/2"	Recess	1490 x 570 x 640	100	250 0626
DB VZ 250/16 H	16	250	2 x 1 1/2", 3 x 1/2"	Recess	1500 x 570 x 670	120	250 0826
DB VZ 500/11 H	11	500	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	Recess	1870 x 670 x 710	150	250 0651
DB VZ 500/16 H	16	500	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	Recess	1870 x 670 x 740	150	250 0851
DB VZ 750/11 H	11	750	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	Recess	1950 x 820 x 860	210	250 0676
DB VZ 750/16 H	16	750	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	Recess	1950 x 820 x 890	280	250 0876
DB VZ 1000/11 H	11	1000	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	2 x recess	2220 x 870 x 900	300	250 0681
DB VZ 1000/16 H	16	1000	2 x 1 1/2", 1 x 1 1/4", 2 x 1/2"	2 x recess	2220 x 870 x 940	380	250 0881
DB VZ 2000/11 H	11	2000	4 x 2", 1x 1" 1 x 3/4", 2 x 1/2"	2 x recess	2370 x 1100 x 1360	480	250 0701
DB VZ 2000/16 H	16	2000	4 x 2", 1x 1" 1 x 3/4", 2 x 1/2"	2 x recess	2370 x 1100 x 1360	620	250 0901
DB VZ 5000/11 H	11	5000	2 x 2“ 2 x 1 1/2“, 1 x 1“, 1 x 3/4“, 2 x 1/2“	Manhole	3560 x 1400 x 1650	1020	250 0731
DB VZ 5000/16 H	16	5000	2 x 2“, 2 x 1 1/2", 1 x 1", 1 x 3/4", 2 x 1/2"	Manhole	3560 x 1400 x 1650	1360	250 0931

Fitting sets

New

(Safety valve, pressure gauge, three-way control valve with test flange, drain tap)

Use with pressure vessel size	Pressure (bar)	Compressed air connection	Article no.:
up to 750 litres	11	1/2”	250 0611
as of 1000 litres	11	1”	250 0612
up to 750 litres	16	1/2”	250 0616
as of 1000 litres	16	1”	250 0617

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	Article no.:
Energy saver G1, connection: IT 1"	215 0001
Energy saver G2, connection: IT 2"	215 0003

Remote control option for Aircraft energy savers
- matches Art. nos. 21 0001 and 215 0003

Type	Article no.:
Remote control with 5 m cable	215 0002

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

Type	Article no.:
R 3/8" IT x 3/8" IT	250 7710
R 3/8" IT x 3/8" OT	250 7711
R 1/2" IT x 1/2" IT	250 7712
R 1/2" IT x 1/2" OT with lever	250 7713
R 1/2" IT x 1/2" OT with knob	250 7714
R 3/4" IT x 3/4" IT	250 7715
R 3/4" IT x 3/4" OT	250 7716
R 1" IT x 1" IT	250 7720
R 1 1/4" IT x 1 1/4" IT	250 7725
R 1 1/2" IT x 1 1/2" IT	250 7730

Electromagnetic start-up relief 24 V AC
- For compressors with 4 kW start-up draw and start-delta switch

Type	Article no.:
normally closed	250 6015
normally open New	250 6017

Noise-insulation for electromagnetic start-up relief New
- Made of sintered bronze

Type	Article no.:
Sound absorber 3/8"	240 7420

Star-delta switch 400 Volt
Ready for connection, fully wired in wall mounting cabinet
- Incl. connecting cable to compressor
- Housing lockable, protection class IP 54
- With operating hour counter
- Operations on compressor only with with electromagnetic start-up valve, Article no. 2506015, normally closed, 24 volt AC

Type	Article no.:
Star-delta switch 400 Volt for 5.5 and 7.5 kW motors	250 6010
Star-delta switch 400 Volt for 11 kW motors	250 6011

AIRCRAFT Tandem control New
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	Article no.:
Tandem control	250 6013

AIRCRAFT base load cyclic load control New

· 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)
· Including connection option for safety switch (e.g. Condor MDR2 Art. no. 250, 6214, pressure switch not included in scope of delivery)

Type	Article no.:
Base load cyclic load control	250 6020

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	Article no.:
MDR 2/11 bar, pressure vessel connection 3/8", 3 x 1/4" horizontal with AEV2S relief valve	250 6214
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.	250 6300
MDR 3/11 bar / 4 - 6.3 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	250 6303
MDR 3/11 bar / 6.3-10 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	250 6304
MDR 3/11 bar / 10-16 Amp., connections 3 x 1/4" horizontal, 1 x 3/8" vertical incl. relief valve	250 6305

Hood with operating hour counter for pressure switch

Type	Article no.:
matches CONDOR MDR 3 model	250 6301

Motor circuit breaker

Type	Article no.:
Motor circuit breaker 2-phase, 4 Amp.	250 6504
Motor circuit breaker 2-phase, 7 Amp.	250 6507
Motor circuit breaker 2-phase, 10 Amp.	250 6510
Motor circuit breaker 1-phase, 10 Amp.	250 6610
Motor circuit breaker 1-phase, 12 Amp.	250 6612
Motor circuit breaker 1-phase, 14 Amp.	250 6614

Pressure gauge

Type	Article no.:
Ø 40 mm, 1/8" rear, 10 bar	231 6003
Ø 50 mm, 1/8" side, 10 bar	250 6451
Ø 50 mm, 1/4" side, 10 bar	250 6452
Ø 50 mm, 1/4" rear, 16 bar	250 6450
Ø 63 mm, 1/4" rear, 10 bar	250 6460
Ø 63 mm, 1/4" rear, 15 bar	250 6465

Safety valve category 4

Type	Article no.:
10 bar 1/4" CE 97/23	250 7210
15 bar 1/4" CE 97/23	250 7215
10 bar 3/8" CE 97/23	250 7121
15 bar 3/8" CE 97/23	250 7124

Condensate drain valve

Type	Article no.:
1/4“	250 7307
3/8“	250 7310

Non-return valves with connection for 6 mm relief line

Type	Article no.:
RS valve 1/2" OT x 3/8" OT	250 7510
RS valve 1/2" OT x 1/2" OT	250 7512
RS valve 3/4" OT x 3/4" OT	250 7516

Flexible hoses

Type	Article no.:
3/8" x 400	250 7610
3/8" x 500	250 7611
1/2" x 500	250 7615
1/2" x 1500	250 7617
3/4" x 300	250 7619
3/4" x 550	250 7621
3/4" x 630	250 7622
3/4" x 800	250 7624
3/4" x 1500	250 7625
1" x 1500 hydraulic line	250 0195
1" 1/4 x 1500 hydraulic line	250 0196
1" 1/2 x 1500 hydraulic line	250 0199

Teflon sealing tape

Type	Article no.:
12 m x 12 mm x 0.1 mm, 60 g/m² (PU 10)	250 0020

Screw lock

· medium tight for gap 0.05 - 0.25

Type	PU	Article no.:
Screw lock 10 g	10	250 0022
Screw lock 50 g	1	250 0023
Screw lock 250 g	1	250 0024

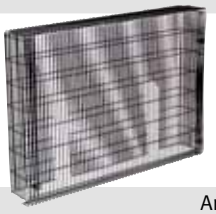
Rubber anti-vibration elements for supporting pressure vessels, power units, etc.

Type	Article no.:
SE 1 - 120 x 32 x 100 mm / M 12, 1 pc.	338 1012
SE 2 - 100x38 mm/M10 with single-sided thread, 1 pc.	250 5640
SE 3 - 70x38 mm/2xM10, with double-sided thread, 1 pc.	250 5650
SE 4 - 30x20 mm/2xM8 with double-sided thread, 1 pc.	250 5630

Impellers

Type	Article no.:
Steering roller with metal brake	250 5562
PU foam wheel 260 x 20, puncture-proof	250 5629
Starlock cap 20 mm	250 5505

Safety grille metal



Type	Article no.:
570 x 780 (matches stationary models)	250 1211
380 x 600 (matches 50 l vessel)	250 1215
470 x 730 (matches 100 l vessel)	250 1218

Oils

Type	Article no.:
Special oil for piston type compressors, 1 l	250 0012
Special oil for piston type compressors, 5 l	250 0015
Special oil for Rotal compressors, 1 l	250 0017
RotEnergyPlus oil, 46 cSt - 1 canister 3.75 l	0600000018
RotEnergyPlus oil, 46 cSt - 1 canister 18.5 l	0600000017

Motors

Type	Article no.:
1.5 kW/230 V with motor circuit breaker	250 2151
1.5 kW/400 V with motor circuit breaker	250 2153
1.8 KW/230 V with motor circuit breaker	250 2181
1.8 kW/ 400 V	250 2183
2.2 kW/230 V with motor circuit breaker	250 2221
2.2 kW / 400 V	250 2222
3.0 kW / 400 V	250 2302
4.0 kW/400 V with motor circuit breaker	250 2403
4.0 kW / 400 V	250 2402
5.5 kW / 400 V	250 2553
7.5 kW / 400 V	250 2753
11 kW / 400 V	250 2853

V-belt pulley

Type	Article no.:
A 120 x 24	250 4120
SPZ 120 x 28	250 4122
SPB 130 x 28	250 4131
SPZ 130 x 28	250 4132
A 140 x 24	250 4140
SPZ 170 x 28	250 4172
SPB 180 x 28	250 4181
SPB 200 x 28	250 4201
A 125 x 19	250 5125
A 150 x 19	250 5150
A 160 x 28 dual-groove	250 5160
A 170 x 24	250 5170
A 180 x 28 dual-groove	250 5180

Toothed v-belt

Type	Article no.:
AX 53 13x1346 (A350/400 230 V)	250 5353
AX 54 13x1375 (A320/400/Gamma 603)	250 5354
AX 60	250 5360
AX 62 13x1575 (A 603)	250 5362
AX 70 13x1775 (A 723/823)	250 5370
SPZ 170 x 28	250 4172

BK 120

BKV 30

VKM-362 3M oil-free

Compressor with fan wheel

Type	Vacuum performance	required motor	Speed	Pressure	Cylinders/ stages	Art. no.
	l/min	kW	rpm	bar		
MK 102	320	1.8	1420	10	2/1	250 1302
MK 103	365	2.2	1370	10	2/1	250 1303
MK 113	556	4	1440	10	2/1	250 1312
BK 119	820	5.5	1215	10	2/2	250 1319
BK 120	1080	7.5	1100	10	2/2	250 1321
BKV 30 New	1660	11	1140	10	4/2	250 1182

Compressor with directly flanged motor incl. fan wheel

Type	Vacuum performance	required motor	Speed	Pressure	Cylinders/ stages	Art. no.
	l/min	kW	rpm	bar		
VKM 362 3M	310	2.2	1420	10	2/1	250 1330
VKM 320 3M oil-free	310	2.2	1420	10	2/1	250 1340

Wear parts for compressors New

Compressor	Wear part	Article no.:
MK 102	Valve plate	0413149080
	Air filter	0017024000
	Seal kit	0213169001
MK 103	Valve plate	0413167005
	Air filter	0017003000
	Seal kit	0213167002
MK 113	Valve plate	0413164006
	Air filter	0017003000
	Seal kit	0213164002
MK 102, 103, 113	start-up relief valve	0011158000
BK 119	Valve plate	0413153004
	Air filter	0113178013
	Seal kit	0213153020

Compressor	Wear part	Article no.:
BK 120	Valve plate	0413146019
	Air filter	0017078000
	Seal kit	0213190000
BK 119, 120	safety valve, normal pressure stage	0047002000
BK 119, 120	safety valve, normal pressure stage	0047086000
VKM 362 3M	Valve plate	0116091040
	Seal kit	0216057001
	Air filter	0116091018
VKM 320 3M Oil-free	Valve plate	0413175002
	Seal kit	0216HI0001
	Air filter	0116091018

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 in µm, max.	Particle density in mg/m³, max.	Pressure dew point in °C	Water content in g/m³	Residual oil content in mg/m³
0	‹ 0.1	‹ 0.1	‹ -70 °C	‹ 0.003	‹ 0.01
1	0.1	0.1	-70 °C	0.003	0.01
2	1	1	-40 °C	0.11	0.1
3	5	5	-20 °C	0.88	1
4	15	15	+3 °C	6	5
5	40	40	+7 °C	7.8	25
6	› 40	› 40	+10 °C	9.4	› 25
7	-	-	› +10 °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 immediate air supply

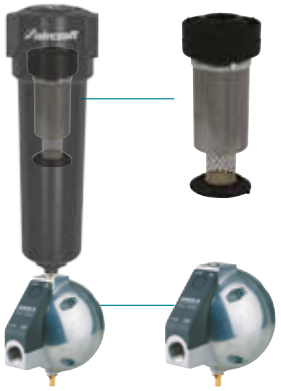
Degrees of filtration

	1	2		3	4
Description	Water trap	Pre-filters/Microfilters	Micro filter	Nanofilters	Activated carbon filter element
Characteristic values	**› 98%** **›100µm** Deposition (drops)	**1 µm** Deposition (coarse particles) Reduction of liquid fraction	**0.1 µm** Deposition (Fines) ‹ 0.1 mg/m³ Residual oil content (Liquid oil)	**0.01 µm** Deposition (Fines) 0.01 mg/m³ Residual oil content (Liquid oil)	Deposition (Oily aerosols) 0.005 mg/m³ Residual oil content (Oil vapour)
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 micro-filter or nanofilter	Removal of small amounts of gaseous contaminants, especially oil vapour Upstream microfilters or nanofilters required With integrated microfilter

New

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



Condensate drain AOK 20 B

Cyclone ACKL - max. operating pressure 16 bar, operating temperature from 1.5 to 65 °C

Model	Volume flow m³/h	Volume flow l/min.	Air connection	Height in mm	Width in mm	Filter cpl. Art. no.
	7 bar*					
ACKL 0120B	120	1980	3/8 “	247	88	205 3010
ACKL 0155B	155	2557	½“	247	88	205 3012
ACKL 0235B	235	3877	¾“	337	88	205 3014
ACKL 0365B	365	6022	1“	363	125	205 3016
ACKL 0770B	770	12705	1 ½	601	125	205 3018

*** In case of a 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 immediate air supply

Prefilter/Microfilter AFF Model Series

For separating solid impurities up to **1 µm**. Residual oil 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 m³/h	Volume flow l/min.	Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Replacement filter element Art. no.
	16 bar*						
AFF 0060	60	990	3/8 “	187	88	205 3230	205 3231
AFF 0078	78	1300	½“	187	88	205 3232	205 3233
AFF 0120	120	1980	¾“	257	88	205 3234	205 3235
AFF 0198	198	3280	1“	263	125	205 3236	205 3237
AFF 0335	335	5580	1“	363	125	205 3238	205 3239
AFF 0510	510	8500	1½ “	461	125	205 3240	205 3241

*** In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor**

1µm microfilter

Condensate drain AOK 16 B

ASF Microfilter Model Range

For separating 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 m³/h	Volume flow l/min.	Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Replacement filter element Art. no.
	16 bar*						
ASF 0060	60	990	3/8 “	187	88	205 3330	205 3331
ASF 0078	78	1300	½“	187	88	205 3332	205 3333
ASF 0120	120	1980	¾“	257	88	205 3334	205 3335
ASF 0198	198	3280	1“	263	125	205 3336	205 3337
ASF 0335	335	5580	1“	363	125	205 3338	205 3339
ASF 0510	510	8500	1½ “	461	125	205 3340	205 3341

*** In case of a deviating operating pressure, please multiply the specified volume flow by the appropriate correction factor**

0.1µm nanofilter

Condensate drain AOK 16 B

ANF Model Range Nanofilters

for separation of solid impurities up to **0.01 µm**. Residual oil aerosol content of 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 m³/h	Volume flow l/min.	Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Replacement filter element Art. no.
	16 bar*						
ANF 0060	60	990	3/8 “	187	88	205 3430	205 3431
ANF 0078	78	1300	½“	187	88	205 3432	205 3433
ANF 0120	120	1980	¾“	257	88	205 3434	205 3435
ANF 0198	198	3280	1“	263	125	205 3436	205 3437
ANF 0335	335	5580	1“	363	125	205 3438	205 3439
ANF 0510	510	8500	1½ “	461	125	205 3440	205 3441

*** In case of a 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 **0.003 mg/m³** at 20 °C and 1 bar, absolute compressed air quality as per ISO 8573-1.

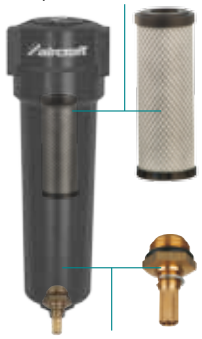
For highest quality compressed air, for example, breathing air, in analysis technology or beverage bottling

- Purest air in conjunction with upstream microfilter
- With filter element and manual drain

Model	Volume flow m³/h	Volume flow l/min.	Air connection	Height in mm	Width in mm	Filter cpl. Art. no.	Replacement filter element Art. no.
	16 bar*						
AAF 0060	60	990	3/8 “	187	88	205 3530	205 3531
AAF 0078	78	1300	½“	187	88	205 3532	205 3533
AAF 0120	120	1980	¾“	257	88	205 3534	205 3535
AAF 0198	198	3280	1“	263	125	205 3536	205 3537
AAF 0335	335	5580	1“	363	125	205 3538	205 3539
AAF 0510	510	8500	1½ “	461	125	205 3540	205 3541

*** 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 96 - 97 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	Article no.:
PD 16	205 3060

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	Article no.:
MDM 60	205 3062
MDM 60 E with LED alarm, battery-operated (battery included in scope of delivery)	205 3064
MDM 60 C with zero-potential alarm contact	205 3066

Wall-mounting sets for water traps and filters

- For mounting one or multiple connected filters on a wall

Fig. shows application

Type	Article no.:
Wall-mounting set for AF0060-AF0120 filters	205 3080
Wall-mounting set for AF0198-AF0510 filters	205 3082

AK connection sets for water traps and filters

- For connecting two housings
- Brackets for wall-mounting in scope of delivery
- Connecting set can also be used for third-party housings

Type	Article no.:
AK 3/8"	205 3090
AK ½“	205 3091
AK ¾“	205 3092
AK 1“	205 3093
AK 1½ “	205 3094

New

AIRCRAF 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 is well known that 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	1.00	1.06	1.15	1.20	1.24	
Compressed air inlet temperature °C	**30**	**35**	**40**	**45**	**50**	**55**		
Correction factor AD and ASD	1.20	1.00	0.85	0.71	0.58	0.49		
Ambient temperature °C	**25**	**30**	**35**	**40**	**42**	**45**		
Correction factor AD and ASD	1.00	0.96	0.92	0.88	0.85	0.80		
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	1.00	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 prefilter*

Refrigerated Air Dryer AD Series – The effective 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 l/min.	Air flow m³/h	Maximum pressure in bar	Air connection	Power consumption in kW	Weight in kg	Dimensions L x W x H	Article no.:
AD 36	600	36	16	⅜“	0.12	17	305 x 360 x 404	204 1710
AD 54	900	54	16	½"	0.18	24	325 x 430 x 445	204 1715
AD 72	1200	72	16	½"	0.2	24	325 x 430 x 445	204 1720
AD 108	1800	108	16	½"	0.2	24	325 x 430 x 445	204 1725
AD 144	2400	144	16	¾"	0.41	31	395 x 486 x 565	204 1730
AD 180	3000	180	16	¾"	0.47	36	395 x 486 x 565	204 1735
AD 216	3600	216	16	¾"	0.61	40	395 x 486 x 565	204 1740
AD 280	4666	280	16	1"	0.6	59	485 x 595 x 614	204 1745
AD 340	5666	340	16	1"	0.6	60	485 x 595 x 614	204 1750

Art.no.	Description
204 1700	Bypass ½"
204 1701	Bypass ¾"

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 thus particularly achieve savings 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.

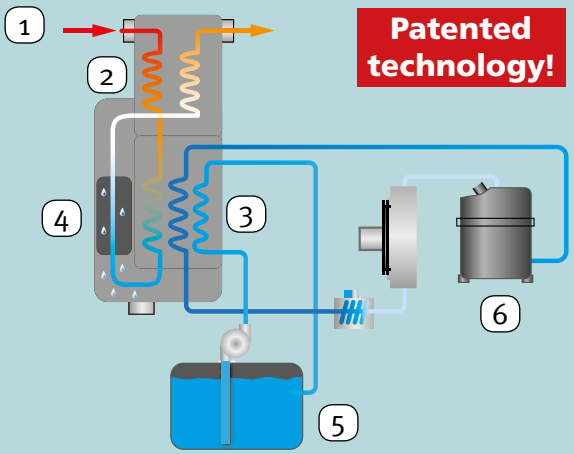
The advantages at a glance
- **Improved energy efficiency** thanks to the patented 3-circuit heat exchanger system
- Energy savings and longer service life by switching off the refrigeration compressor in partial load operation
- Optimum dew point control with additional temperature sensor for glycol 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 l/min.	Air flow m³/h	Max pressure in bar	Air connection	Power consumption in kW	Weight in kg	Dimensions L x W x H	Article no.:
ASD 54	900	54	16	½"	0.24	33	386 x 500 x 651	204 1810
ASD 72	1.200	72	16	½"	0.29	35	386 x 500 x 651	204 1815
ASD 108	1.800	108	16	¾"	0.45	45	386 x 500 x 651	204 1820
ASD 144	2.400	144	16	¾"	0.51	50	386 x 500 x 651	204 1825
ASD 180	3.000	180	16	1"	0.65	60	420 x 567 x 771	204 1830
ASD 240	4.000	240	16	1"	0.64	70	420 x 567 x 771	204 1835
ASD 300	5.000	300	16	1½"	0.94	95	500 x 730 x 980	204 1840
ASD 360	6.000	360	16	1½"	0.94	100	500 x 730 x 980	204 1845
ASD 480	8.000	480	16	1½"	1.28	130	500 x 730 x 980	204 1850

Art. no.	Description
204 1700	Bypass ½"
204 1701	Bypass ¾"

New

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

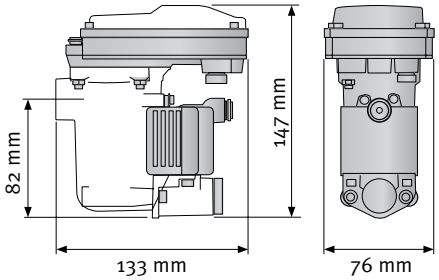
Functional description

- 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

The advantages at a glance

- Built-in 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 mounting possible
- Robust PA housing

Model	AMD
Art. no.	205 9080
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



Art.no.	Description
204 9090	AMD Maintenance kit

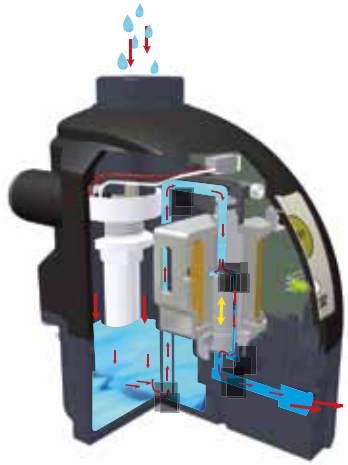
· *Horizontal or vertical mounting possible*

AIRCRAFT ACD Series electronic condensate drain – with patented valve technology

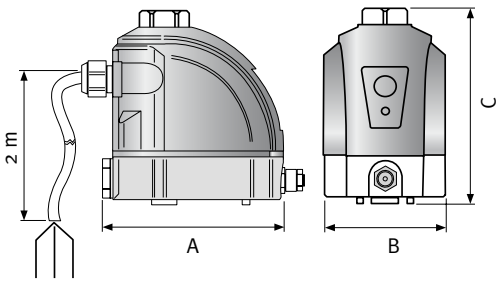
- The applications and function of the ACD series condensate drains are identical to the AMD series

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"



Model	ACD 90
Art. no.	205 9086
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	1050 g



Art.no.	Description
204 9094	ACD 90 Maintenance kit

Electronic condensate drain BEKOMAT® 31/32

In compressed air generation and treatment drops of condensate inevitably form; they contain oil and are 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.

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

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

Model	BEKOMAT® 31	BEKOMAT® 32
Art. no.	204 9049	204 9053
Separation performance 7 bar	l/h	l/h
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
Condensate feed	”	”
Condensate drain	”	”
Dimensions	mm	mm
Weight	800 g	1000 g

* only with pre-separator

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

Art.no.	Description
204 9060	Service Unit Bekomat 31
204 9061	Service Unit Bekomat 32

More AIRCRAFT condensate drains

New

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 inlet T ½ "
- max. operating pressure 20 bar, operating temperature from 1.5 to 65 °C

Type	Article no.:
MCD	205 3070

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 ½", condensate outlet T ¼"
- 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
- Abmessungen: 77 x 79 x 93 mm

Type	Article no.:
ZKA 16	205 9070

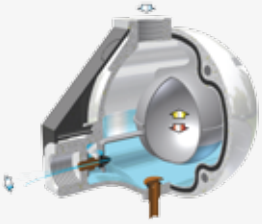
AOK series automatic condensate drains
- For automatic, level-controlled drainage of condensate or other non-aggressive liquids from the compressed air system
- Compressed air temperature range: 1.5 - 65 °C

AOK 16 B
For installation in the filter housing
- Condensate feed T ½", condensate outlet Ø 8 mm
- Max. working pressure: 16 bar

AOK 20 B
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
- Abscheideleistung bei 7 bar: 167 l/h
- Condensate feed T ½", condensate outlet T ½"
- Additionally equipped with manual drain valve
- Max. working pressure: 20 bar
- Dimensions: 135 x 110 x 130 mm

AOK 16B

AOK 20B



Type	Article no.:
AOK 16B	205 3072
AOK 20B	205 3074

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 oil separators
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.

AOWT 2 – Oil/water separator system

New

- 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
- 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

Condensate feed

water drain

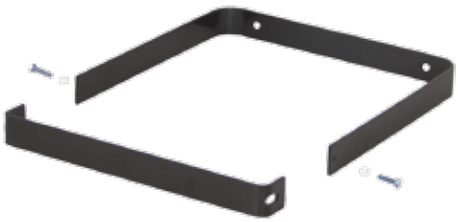
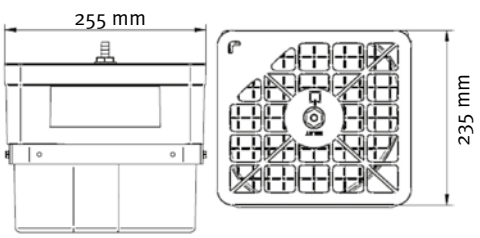


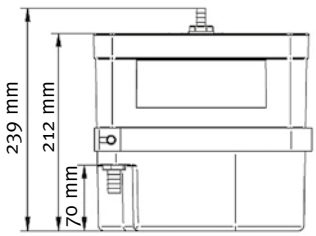
Figure shows scope of delivery

Scope of delivery:
- Oil/water separator
- Bracket

Model		AOWT 2
Art.no.		205 8200
Maximum compressor output*	m³/min	2
Max. oil capacity	l	2
Residual oil content	ppm	‹ 10
Condensate feed	mm	½“
water drain	mm	½“
Dimensions max. (H x D x W)	mm	255 x 230 x 239

* 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.





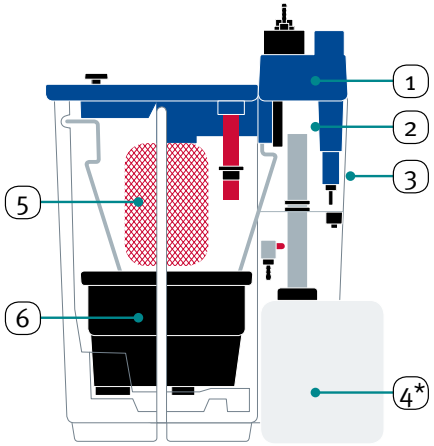
ÖWAMAT® – Oil-water separation system

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	204 9152
Replacement filter set ÖWAMAT® 11	204 9153
Replacement filter set ÖWAMAT® 12	204 9151
Replacement filter set ÖWAMAT® 14	204 9154
Replacement filter set ÖWAMAT® 16	204 9157
Bracket ÖWAMAT® 10	204 7015
Bracket ÖWAMAT® 11	204 7016

Model		**ÖWAMAT® 10**	**ÖWAMAT® 11**	**ÖWAMAT® 12**	**ÖWAMAT® 14**	**ÖWAMAT® 16**
Art.no.		204 8010	204 8011	204 8012	204 8014	204 8016
€ plus VAT		**300.00**	**490.00**	**729.00**	**910.00**	**1,710.00**
Maximum compressor output* Screw-type compressors						
Turbine oil	m³/min	2.4	4.9	7.3	14.6	58.5
VDL oil	m³/min	2.4	4.9	7.3	14.6	58.5
VCL oil	m³/min	1.9	3.8	5.6	11.3	45.0
Synthetic oil: PAO	m³/min	1.9	3.5	5.6	11.3	45.0
Synthetic oil: Ester	m³/min	1.6	3.2	4.8	9.6	38.3
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	mm	2 x T ½“	2 x T ½“	3 x T ½“ 1 x T 1"	3 x T ½“ 1 x T 1"	3 x T ½“ 1 x T 1"
water drain	mm	T ½“	T ½“	T ½“	T 1"	T 1"
Dimensions max. (H x D x W)	mm	230 x 270 x 525	390 x 445 x 755	350 x 397 x 719	410 x 461 x 892	650 x 702 x 1193

* 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

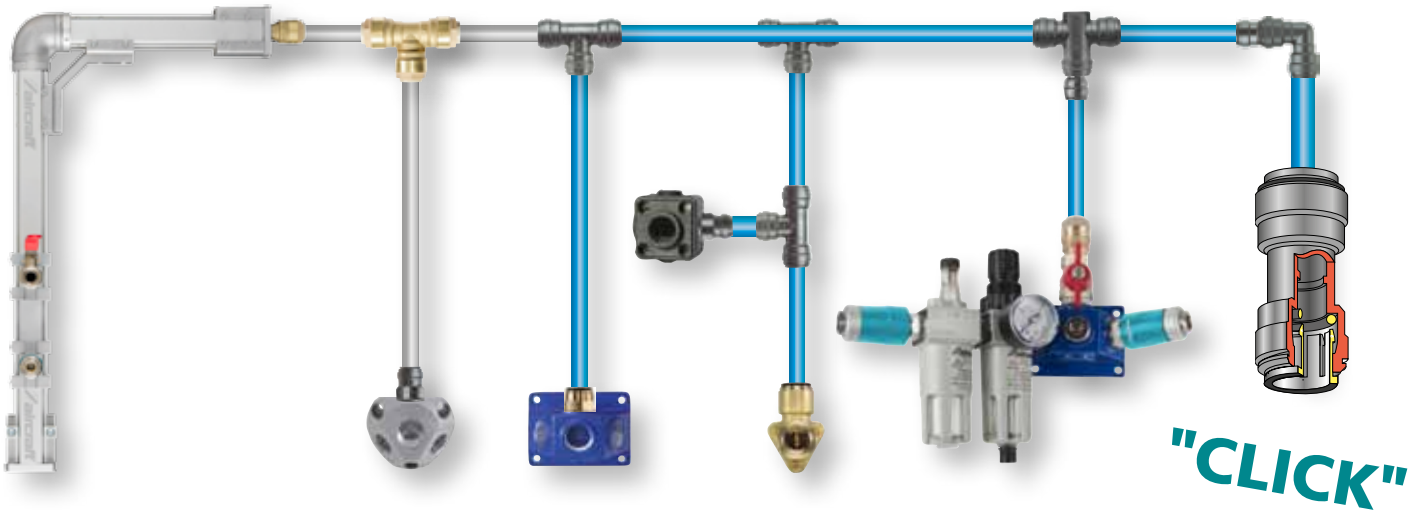
Compressed air fittings

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 us for advice!

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 the 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:
E-Mail: info@aircraft.at
Phone + 43 - (0) 77 52 - 70 929 - 0

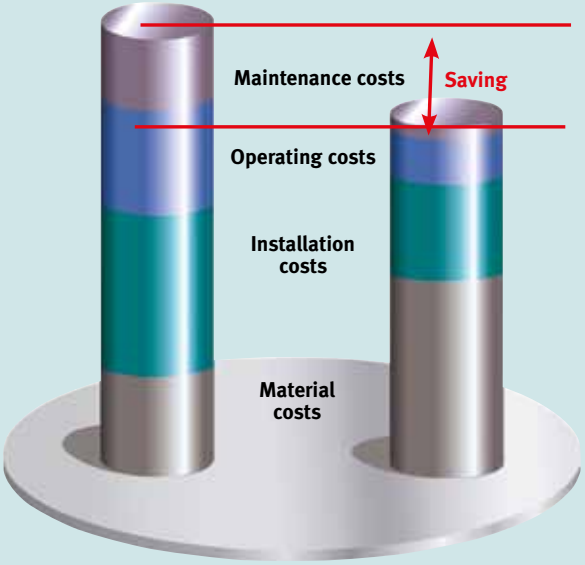
See the following pages to discover more ...

AIRCRAFT compressed air line plug-in system - The higher material price immediately pays for itself and gives you permanent savings!

Easy 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 inner surfaces, excellent flow properties
- Flexible modular system
- Virtually maintenance free
  Quality manufactured ISO 9001 (or EN 29001)

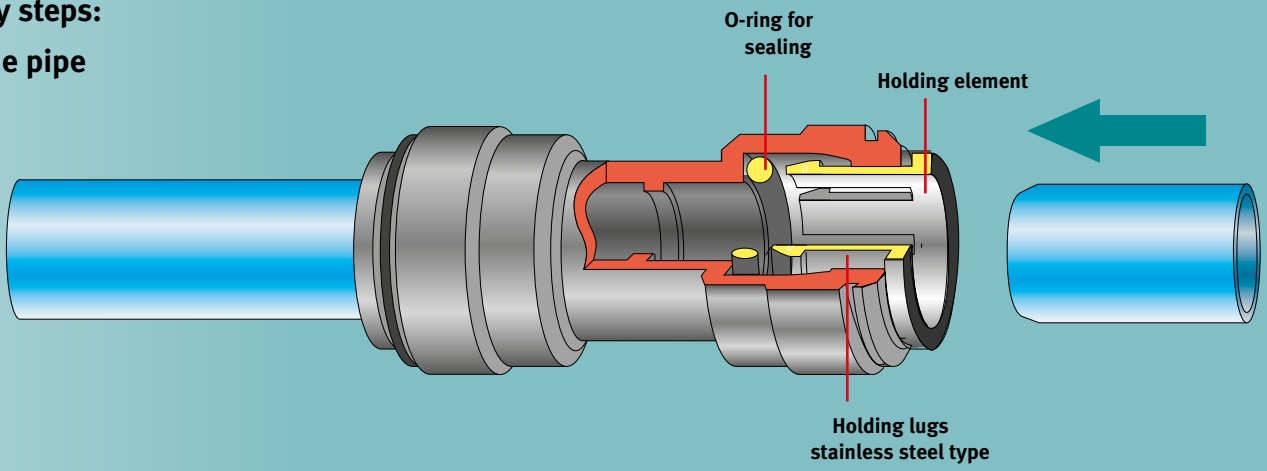
Due to the low installation costs and massive time savings during installation, the higher material costs immediately pay dividends

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

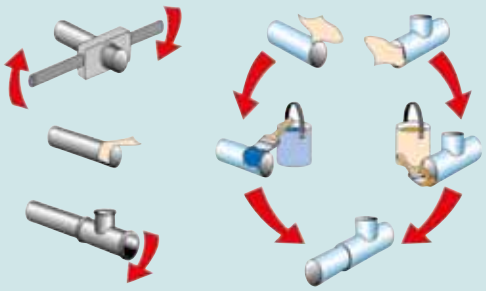


Advantages of the AIRCRAFT plastic compressed air line system compared with metal types

Advantages 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, preparation overhead, and long bonding or drying time

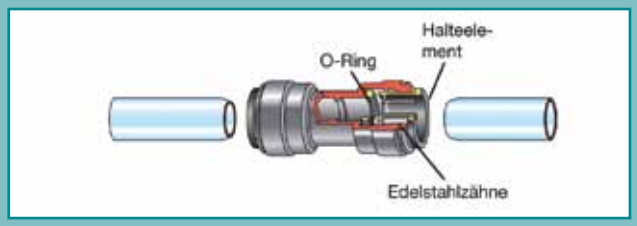


Although we generally recommend the use of plastic or aluminium pipes, it is also possible to use pipes made of other materials (copper, brass, etc.) with our connectors. Thus, existing pipe networks systems can be modified or extended using AIRCRAFT connectors.

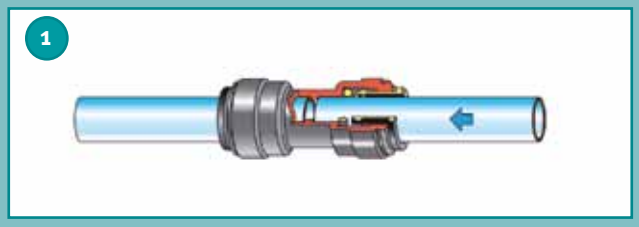
Creating connections without tools

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.

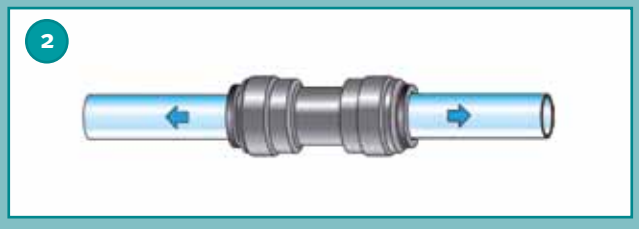
Connecting Ø 15 - Ø 22 mm



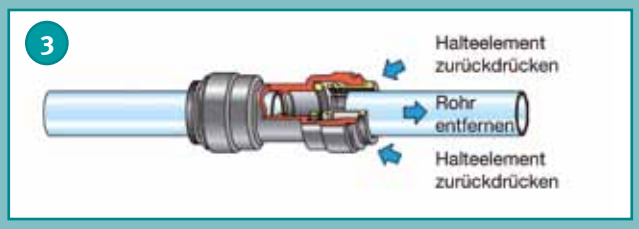
The product range is made of acetal copolymer (POM) and consists of the connector body, holding elements with stainless steel teeth and NBR o-rings for sealing. The connectors can be installed and removed without using tools. **The connection holds before it seals!**



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.

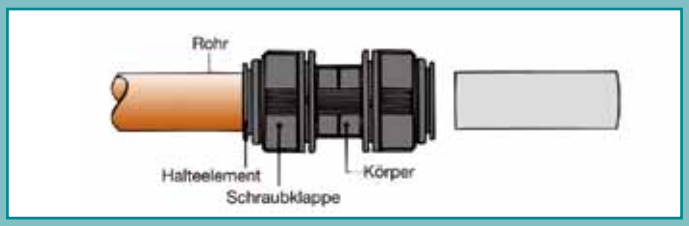


Check the connection by pulling in the opposite direction
Make sure that the pipe is safely inserted. You can easily do this by pulling.

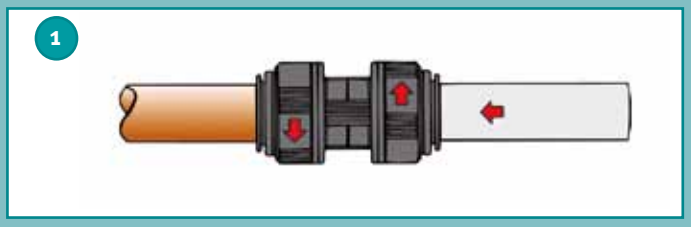


Disconnecting the Ø 15 - 22 mm system
Make sure the system is depressurised. You can then release or remove the pipe by pushing back the holding element.

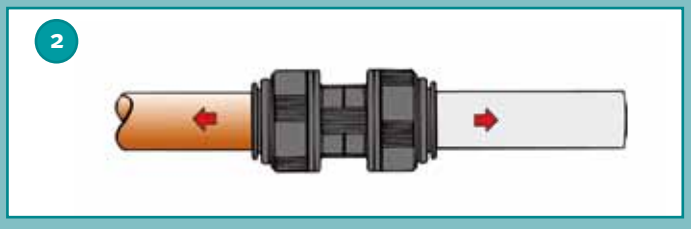
Connecting Ø 28 mm



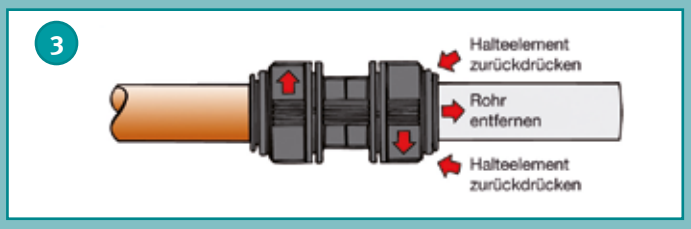
The 28 mm system consists of the connector body, holding elements with stainless steel teeth and NBR o-rings. Additional screw caps secure the retaining system and press the o-rings onto the pipe. The connectors can be installed and removed without using tools. **The connection holds before it seals!**



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 (2 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".

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 1000 l/min., operating pressure 7 bar, total pipeline length is 300 m, work with 150 m for a closed circular pipeline

Compressor delivery volume	Length in m	25	50	100	150	200	250	300
	l/min.							
	200	12	12	12	15	15	15	18
	400	12	12	15	15	15	18	18
	500	15	15	15	18	18	18	18
	750	15	15	18	18	18	22	22
	1000	15	15	18	18	22	22	22
	1500	18	18	18	22	22	22	22
	2000	18	18	22	22	22	28	28
	3000	22	22	28	28	28	28	28
	4000	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 1000 l/min, operating pressure 7 bar, total pipeline length 300 m

Compressor delivery volume	Length in m	25	50	100	150	200	250	300
	l/min.							
	200	12	12	12	15	15	15	18
	400	12	12	15	15	15	18	18
	500	15	15	15	18	18	18	18
	750	15	15	18	18	18	22	22
	1000	15	15	18	18	22	22	22
	1500	18	18	18	22	22	22	22
	2000	18	18	22	22	22	28	28
	3000	22	22	28	28	28	28	28
	4000	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

Fittings	Ø Outside Inside Ø comparable with	15 12 3/8"	18 14 1/2"	22 18 3/4"	28 23 1"
Ball valve		0.1 m	0.2 m	0.3 m	0.4 m
Bracket		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	Substitute pipe-line length	Nominal length
2 x T-pieces Ø 18	1 m	2 m
3 x brackets Ø 18	1 m	3 m
1 x ball valve Ø 18	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 line 6 m/sec. at 8 bar l/min.	Plastic pipe Branch line 15 m/sec. at 8 bar l/min.	Alum. pipe Main line 6 m/sec. at 8 bar l/min.	Alum. pipe Branch line 15 m/sec. at 8 bar l/min.
15	365	916	430	1004
18	498	1248	650	1548
22	823	2057	1018	2442
28	1344	3367	1720	4160

The indicated valves for the flow in the main line can be changed 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. Just ask 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 OD (mm)	Ø 15 mm - 28 mm
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 outlets 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.

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 clearance for moving it 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 2nd 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**

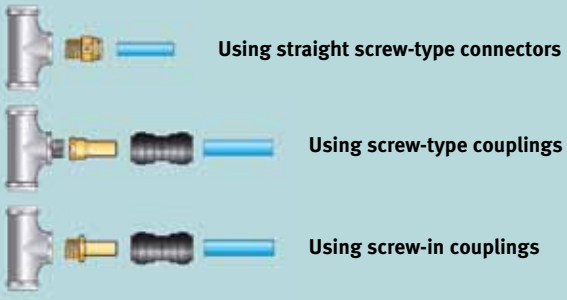
Example calculation:
A compressed air line (hard pipe) of 150 m length installed in a factory shop at an ambient temperature of +15 to +40 °C
(ΔT is thus 25 °C) expands by: **ΔL = 1.0 x 10^{-4}/°C x 150 x 25 °C**
ΔL = 0.375 m

The specific linear expansion coefficient (LK) for polyamides = 10^{-4}/C° is equivalent to 0.1 mm/°C.

Formula for computing linear expansion:
ΔL = factor x LK (10^{-4}/°C) x pipe length (L) x temperature (ΔT)

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).

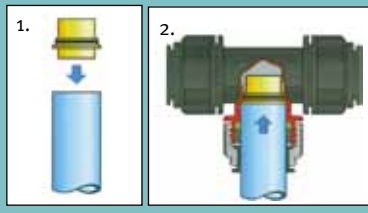


Using straight screw-type connectors

Using screw-type couplings

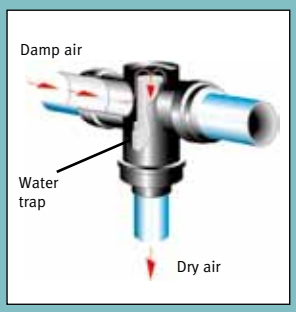
Using screw-in couplings

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. 215 2828 and brass insert Art. no. 215 2829.

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.
Make sure that this connector is routed horizontally. The connector is marked accordingly to prevent incorrect installation.

Plastic pipes for compressed air systems

- Very smooth inner surface, better flow
- Tried and trusted for years
- Pressure- and temperature-resistant
- Vibration- and impact-resistant
- Corrosion-proof and non-ageing
- Low weight

Operating temperature		
Under permanent load	-60 °C to +100 °C (air)	
Physical properties	**Unit**	**Material polyamide 12**
Density at 20 °C	g/cm3	1.04
linear expansion coefficient	l/K	$15 \cdot 10^{-5}$
Melting point	°C	approx. +160° to +170°

Roll stock soft

Dimensions OD	Dimensions ID	Wall thickness in mm	Operating pressure** max. (20 °C)	Min. Bending radius	Packaging unit roll (PU)	Art. no. Pack. 25	Packaging unit roll (PU)	Art. no. Pack
in mm	in mm							
15*	12	1.5	15 bar	90 mm	25 m	215 1510 25	100 m	215 1510
18*	14	2.0	16 bar	100 mm	25 m	215 1817 25	100 m	215 1817
22	18	2.0	14 bar	140 mm	25 m	215 2217 25	100 m	215 2217
28	23	2.5	14 bar	190 mm	-	-	50 m	215 2824

*** as per DIN 73378 ** Operating pressure with 2.5x safety factor/colour blue**

Pipes hard

Dimensions OD	Dimensions ID	Wall thickness in mm	Operating pressure** max. (20 °C)	Packaging unit (PU)	Art. no. PU
in mm	in mm				
15*	12	1.5	25 bar	10x3m=30m	215 1511
18*	14	2.0	28 bar	10x3m=30m	215 1815
22	18	2.0	22 bar	10x3m=30m	215 2218
28	23	2.5	20 bar	10x3m=30m	215 2823

*** as per DIN 73378 ** Operating pressure with 2.5x safety factor/colour blue**

Utilisation of the permissible operating pressures (sample computation):

Temperature range Tube smooth/hard	+20 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C	+90 °C	+100 °C
	100%	83%	71%	62%	55%	49%	45%	41%	37%

Example: Rolls Ø 15 mm (smooth) : Admissible working pressure at +50 °C: 62% of 15 bar = 9.3 bar
Bars Ø 15 mm (hard) : Admissible 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.

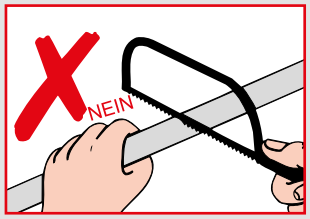
Temperature*	Pressure*
- 20 °C	15 bar
+ 1 °C	15 bar
+ 23 °C	15 bar
+ 70 °C	15 bar

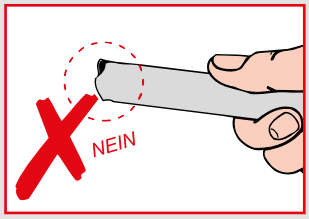
***Diameter from Ø 15 mm to Ø 28 mm, Tube tolerance: ±0.10 mm**

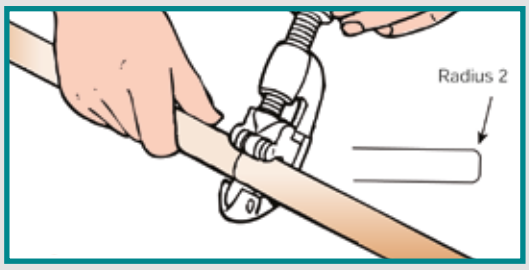
Art. no.	Dim. in mm OD	Dim. in mm ID	Wall thick-ness in mm	Packaging unit (PU)	Surface
215 7015 *	15	12	1,5	10 x 4 m = 40 m	coated
215 7018 *	18	15	1,5	10 x 4 m = 40 m	coated
215 7022 *	22	19	1,5	10 x 4 m = 40 m	coated
215 7028 *	28	25	1,5	10 x 4 m = 40 m	coated
215 6915 **	15	13	1	20 x 3 m = 60 m	uncoated
215 6918 **	18	16	1	20 x 3 m = 60 m	uncoated
215 6922 **	22	20	1	20 x 3 m = 60 m	uncoated
215 6928 **	28	26	1	10 x 3 m = 30 m	uncoated
215 1932 **	32	29	1,5	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.

Pipe network components Ø 15-28 m

Pipe OD		Art.no.	PU	.
Screw-in connector (parallel thread) up to 10 bar[1]				
15	1/2“ OT	215 1514	10	
18	1/2“ OT	215 1814	10	
22	3/4“ OT	215 2216	10	
28	1“ OT	215 2818	10	
32	1“ OT	215 3232	10	
32	1 1/2“ OT	215 3233	10	
Thread sealed by clamped o-ring				

Straight connectors up to 10 bar [1]				
15		215 0415	10	
18		215 0418	10	
22		215 0422	10	
28		215 0428	5	
32		215 0432	5	

Angled connectors up to 10 bar [1]				
15		215 0315	5	
18		215 0318	5	
22		215 0322	5	
28		215 0328	5	
32		215 0332	5	

Reducing connectors up to 10 bar [1]				
15	22	215 1503	10	
15	18	215 1805	10	
18	22	215 1804	10	
22	28	215 2203	10	
32	15	215 3215	10	
32	22	215 3222	10	
32	28	215 3228	10	

Straight connectors brass up to 15 bar				
15		215 6115	1	
18		215 6118	1	
22		215 6122	1	
28		215 6128	1	

90° bends brass up to 15 bar				
15		215 6215	1	
18		215 6218	1	
22		215 6222	1	
28		215 6228	1	

90° bends outer thread brass up to 15 bar				
15	1/2” OT	215 6315	1	
18	1/2” OT	215 6318	1	
22	3/4“ OT	215 6322	1	
28	1“ OT	215 6328	1	

T-piece brass up to 15 bar				
15		215 6415	1	
18		215 6418	1	
22		215 6422	1	
28		215 6428	1	

Screw socket (taper thread) up to 15 bar				
15	1/2” OT	215 3415	10	
18	1/2” OT	215 3422	10	
28*	3/4“ OT	215 3428	10	
28*	1“ OT	215 3429	10	
Material Messing / *Parallelgewinde				

Wall plate brass up to 15 bar				
15	1/2” IT	215 1500	1	
22	3/4“ IT	215 2200	1	

Sealing plug black				
32		215 0832	1	

Pipe OD		Art.no.	PU	.
Tube fitting (parallel thread) up to 10 bar [1]				
15	1/2“ OT	215 1512	10	
18	1/2“ OT	215 1816	10	
22	1/2“ OT	215 2212	10	
28	3/4“ OT	215 2234	10	
Thread sealed by clamped o-ring				

T-connector up to 10 bar[1]			
15		215 0215	5
18		215 0218	5
22		215 0222	5
28		215 0228	5
32		215 0232	5

T-Reducing connectors up to 10 bar[1]				
Rohr AD	Rohr AD			
18	15	215 3018	5	
22	15	215 3022	5	

Straight Reducing connector				
32	28	215 0433	10	

Insertable angled connector up to 10 bar[1]				
Rohr AD	Stutzen AD			
15	15	215 1515	10	
18	18	215 1818	10	

T-piece with inside thread brass up to 15 bar				
15	1/2“ OT	215 6515	1	
18	1/2“ OT	215 6518	1	
22	3/4“ OT	215 6522	1	
28	1“ OT	215 6528	1	

End piece with outside thread brass up to 15 bar				
15	1/2“ OT	215 6615	1	
18	1/2“ OT	215 6618	1	
22	3/4“ OT	215 6622	1	
28	1“ OT	215 6628	1	

End piece with inside thread brass up to 15 bar				
15	1/2“ IT	215 6715	1	
18	1/2“ IT	215 6718	1	
22	3/4“ IT	215 6722	1	
28	1“ IT	215 6728	1	

Clip removal			
15		215 6815	1
18		215 6818	1
22		215 6822	1
28		215 6828	1

Screw-in connector (taper thread) up to 15 bar				
15	1/2“ OT	215 1215	10	
18	3/4“ OT	215 2243	10	
22	1“ OT	215 2808	10	
Material Messing				

Screw-type adapter (parallel thread) brass up to 15 bar				
15	1/2” IT	215 1216	10	
22	3/4“ IT	215 2244	10	

Coupling with outside thread			
for thread			
1/2“ OT		220 0003	25

Safety coupling with outside thread				
for thread				
1/2“ OT		220 3103	1	

[1] Please note when installing plastic connectors: do not use tools, hand tighten only

Wall distribution box - 3 x 1/2" conn. on front		Art.no.	PU
for thread Ø			
Top	Bottom		
3/4“	without	215 0930	1
3/4“	3/4“	215 0931	1
1/2“	without	215 0934	1
1/2“	1/2“	215 0935	1
Blind plug 1/2"		215 0936	1

Material aluminium

Air distribution box plastic - 4 x 1/2"		
BSP thread		
1/2“	215 0212	1

Supplied with three plugs

Air distribution box aluminium - 3 x 1/2"		
for thread Ø		
1/2" top	215 1912	1
3/4" top New	215 1934	1
1" top	215 1910	1

Supplied with three plugs

Plugs for thread Ø		
1/2” New	215 1901	1

Water trap for pipe OD		
22	215 2222	1

Water trap brass for 28 mm T-connector		
Pipe OD		
28	215 2829	1

Pipe clamp for pipe OD		
15	215 1501	100
18	215 1801	100
22	215 2201	100
28	215 2801	100

Protective cap for pipe OD		
15	215 0515	10
18	215 0518	10
22	215 0522	10

Cap for pipe OD		
15	215 0815	10
18	215 0818	10
22	215 0822	10
28	215 0828	10

Circlip for pipe OD		
15	215 0115	10
18	215 0118	10
22	215 0122	10

Screw lock		
Medium tight for gap 0.05 - 0.25 mm		
10 g	250 0022	25
50 g	250 0023	10
250 g	250 0024	10

Teflon sealing tape		
12 m length	250 0020	10

Ball valves			
ID	ID	Art.no.	PU
3/8“	3/8“	250 7710	1
1/2“	1/2“	250 7712	1
3/4“	3/4“	250 7715	1
1“	1“	250 7720	1

Air shut-off cocks Ø 15-28 mm		
comprising 1 x ball valve female thread 1/2" and 2 x male threaded end piece brass		
	End piece	
Pipe OD	OT	
15	1/2“	250 7815
18	1/2“	250 7818
22	3/4“	250 7822
28	1“	250 7828

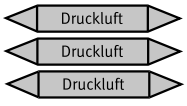
Compressed air energy saver G1	
Opens and closes automatically, 115 V or 240 VAC operating voltage, 0 °C to +60 °C operating temperature, pressure range 0-16 bar. See page 92 for a detailed description	
Protection class	
IP54	215 0001

Accessories for compressed air energy saver G1	
Remote control option with 5 m cable	215 0002

Aluminium pipe cutter for pipe OD		
4 - 30 mm	215 1930	1

Exterior/interior pipe deburring tool:		
Pipe OD		
Ø 3 - 35 mm New	215 5990	1

PA pipe shears		
RS 28	215 1528	1
Replacement blade	215 1527	1



Pipe markers (labels)		
Sheet = 3 labels	215 6000	1

Refer to page 152 for compressed air hoses, spiral hoses, hose rewinders and hose drums.

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 delivery:
1 x air distribution box, 2 x plugs 1/2", 1 x end piece OT brass, 1 x coupling 1/2" OT

Article number	Pipe OD	Inlet
215 8515	15 mm	1/2“
215 8518	18 mm	1/2“
215 8522	22 mm	3/4“
215 8528	28 mm	3/4“

Distribution box without single-handed coupling Ø 15- 22 mm

Scope of delivery:
1 x air distributor box, 1 x end piece OT brass 1/2"

Article number	Pipe OD
215 8615	15 mm
215 8618	18 mm
215 8622	22 mm

Distribution box with 2 single-handed couplings Ø 15- 22 mm

Scope of delivery:
1 x air distributor box, 1 x end piece OT brass 1/2",
1 x plug 1/2", 2 x coupling 1/2" OT

Article number	Pipe OD
215 8715	15 mm
215 8718	18 mm
215 8722	22 mm

Distribution box with 2 safety couplings Ø 15- 22 mm

Scope of delivery:
1 x air distributor box, 1 x end piece OT brass 1/2",
1 x plug 1/2", 2 x coupling 1/2" OT

Article number	Pipe OD
215 8815	15 mm
215 8818	18 mm
215 8822	22 mm

Junction box with 2 single-handed couplings Ø 15- 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing plug 1/2",
2 x coupling 1/2" OT

Article number	Pipe OD
215 8915	15 mm
215 8918	18 mm
215 8922	22 mm

Distribution box with 2 safety couplings Ø 15- 22 mm

Scope of delivery:
1 x air distributor box, 1 x end piece OT brass 1/2",
1 x plug 1/2", 2 x coupling 1/2" OT,
1 x ball valve R 1/2" IT x 1/2" OT

Article number	Pipe OD
215 9015	15 mm
215 9018	18 mm
215 9022	22 mm

Distribution box with 2 single-handed couplings, shut-off valve and pressure regulator 12 bar Ø 15 - 22 m

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing 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

Article number	Pipe OD
215 9115	15 mm
215 9118	18 mm
215 9122	22 mm

Distribution box with 2 safety couplings, shut-off valve and pressure regulator 12 bar Ø 15 - 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing 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

Article number	Pipe OD
215 9215	15 mm
215 9218	18 mm
215 9222	22 mm

Distribution box with 2 single-handed couplings, shut-off valve and filter pressure regulator 12 bar Ø 15 - 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing 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 Ac 1/4", 1 x coupling 1/4" OT

Article number	Pipe OD
215 9315	15 mm
215 9318	18 mm
215 9322	22 mm

Distribution box with 2 safety couplings, shut-off valve and filter pressure regulator 12 bar Ø 15 - 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing 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 Ac 1/4",
1 x safety coupling 1/4" OT

Article number	Pipe OD
215 9415	15 mm
215 9418	18 mm
215 9422	22 mm

Distribution box with 2 single-handed couplings, shut-off valve and filter pressure regulator and oil mist lubricator 12 bar Ø 15 - 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing 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 Ac 1/4", 1 x oil mist lubricator Ac 1/4",
1 x coupling 1/4" OT, 1x 1 x double nipple T 1/4 x T 1/4

Article number	Pipe OD
215 9515	15 mm
215 9518	18 mm
215 9522	22 mm

Distribution box with 2 safety couplings, shut-off valve and filter pressure regulator and oil mist lubricator 12 bar Ø 15 - 22 mm

Scope of delivery:
1 x air junction box, 1 x ball valve R 1/2" IT x 1/2" OT,
1 x end piece OT brass 1/2", 1 x sealing plug 1/2",
1 x safety coupling 1/2" OT, 1 x oil mist lubricator Ac 1/4"
1 x filter pressure regulator Ac 1/4", 1 x oil mist lubricator Ac 1/4",
1 x safety coupling 1/4" OT,
1 x Double nipple T 1/4 x T 1/2

Article number	Pipe OD
215 9615	15 mm
215 9618	18 mm
215 9622	22 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 129

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 tube.

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.

Performance
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.

Compressor delivery volume	Length m	25	40	60	80	100	150	200	250	300	400	500	600	800	1000
	l/min.														
	750	*20*	*20*	*20*	*22*	*22*	*25*	*28*	*28*	*28*	*30*	*30*	*30*	40	40
	1200	20	20	20	22	22	25	28	28	28	30	30	30	40	40
	1500	22	22	25	28	28	30	30	30	40	40	40	40	40	50
	2000	25	28	30	30	40	40	40	40	40	50	50	50	50	50
	3000	30	30	40	40	40	40	50	50	50	50	50	60	60	60
	4800	40	40	40	50	50	50	50	60	60	60	*80*	*80*	*80*	*80*
	7200	40	50	50	50	60	60	60	*80*	*80*	*80*	*80*	*80*	*80*	*80*
	10800	50	60	60	60	*80*	*80*	*80*	*80*	*80*	*80*	*80*	*grey in figure = not in product range		

Caution: For closed circular pipelines, halve the total line length. All values are theoretical and must be precisely calculated and tailored to local conditions for your individual pipe network.

Technical data for aluminium profile piping systems

Application: Compressed air, vacuum, argon, carbon dioxide, hydrogen, petrol, alcohol.

Designations	Units	Profile EL 40, 50, 60, 80
Material		ENAW 6060
Chemical composition		Si 0.3-0.6% Mg 0.35-0.6% 7c 0.1-0.3%
Other designations		DIN: ALMgSi 0.5/F22/ENAW
Heat treatment		Quenching and tempering T66
Surface treatment (if required)		Chemical oxidation - colour natural
Specific weight - Density	Kg/dm3	270
Electrical conductivity	% IACS	53
Heat conductivity	W/m, K	200
Specific heat	J/Kg.K	96
Expansion coefficient	mm/m.°C	0.024
Brinnel hardness	HB	70.4
Tensile strength	N/mm²	215
Tensile strength	N/mm²	160
Elastic module	K/mm²	6700
Elongation A 50%	%	6
Screw material		Steel grade 8.8
Melt interspace	°C	600-650
Min./max.Operating temperature	°C	-40 / +120
Test pressure	kg/cm²	24
Operating pressure		10 mbar - 15 bar
Material of o-ring seals	Standard	NBR 70
Operating temperature of O-rings		
Seals	°C	-20 / +100

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. 2000 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!

Aluminium profile compressed air lines 40/50/60/80 mm

Aluminium pipeline

Art. no.	ID	Packaging unit (PU)	Weight m
215 4140	40	1 x 6 m	1.0 kg
215 4150	50	1 x 6 m	1.4 kg
215 4160	60	1 x 6 m	1.9 kg
215 4180	80	1 x 6 m	2.6 kg

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	215 4240
50	215 4250
60	215 4260
80	215 4280

Reducing connector, complete with plates

Pipe Ø ID	Art. no.
50-40	215 4350
60-50	215 4360
80-50	215 4380
80-60	215 4381

Bend 90°, complete with angle plates made of stainless steel

Pipe Ø ID	Art. no.
40	215 4440
50	215 4450
60	215 4460
80	215 4480

Bend 90°, open one side, complete with plates

Pipe Ø ID	Art. no.
40	215 4441
50	215 4451
60	215 4461
80	215 4481

Bend 45°, complete with angle plates made of stainless steel

Pipe Ø ID	Art. no.
40	215 5040
50	215 5050
60	215 5060
80	215 5080

T-connector, complete with plates

Pipe Ø ID	Art. no.
40	215 4540
50	215 4550
60	215 4560
80	215 4580

End piece with outer thread, complete with plates

Pipe Ø ID	OT	Art. no.
40	1”	215 5340
50	1 1/2”	215 5350
60	2”	215 5360
80	2 1/2”	215 5380

Reducing plate complete EL

Pipe Ø ID		Art. no.
60	40	215 5460
50	40	215 5450
80	40	215 5480

End piece closed, complete with plates

Pipe Ø ID	Art. no.
40	215 4940
50	215 4950
60	215 4960
80	215 4980

End piece with inside thread, complete with plates

Pipe Ø ID	IT	Art. no.
40	1/2”	215 5140
50	1/2”	215 5150
60	1/2”	215 5160
80	1/2”	215 5180
40	1”	215 5240
50	1 1/4”	215 5250
60	1 1/2”	215 5260
80	2”	215 5280

Reducing plate complete ALS

Pipe Ø ID		Art. no.
40	22	215 4022
40	28	215 4028
50	22	215 5022
50	28	215 5028
60	22	215 6022
60	28	215 6028
80	22	215 8022
80	28	215 8028

T-connector, open one side

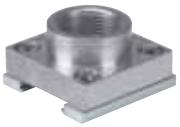
Pipe Ø ID	Thread	Art. no.
40	1”	215 4640
50	1 1/2”	215 4650
60	2”	215 4660
80	2 1/2”	215 4680

Cross connectors

Pipe Ø ID	Art. no.
40	215 4740
50	215 4750
60	215 4760
80	215 4780

Ball valve, complete with plates

Pipe Ø ID	Art. no.
40	215 4840
50	215 4850
60	215 4860
80	215 4880



Baseplate

Pipe Ø ID		Art. no.
40	1/2”	215 5540
50	1/2”	215 5550
60	1/2”	215 5560
80	1/2”	215 5580
80	1”	215 5581
80	1 1/2”	215 5582
50	3/4”	215 5651
60	3/4”	215 5661

Baseplate with ball valve 1/2"

Pipe Ø ID	Art. no.
40	215 5640
50	215 5650
60	215 5660
80	215 5680

Ceiling mount for threaded rod complete

Pipe Ø ID	Art. no.
40	215 5840
50	215 5850
60	215 5860
80	215 5880

Wall and ceiling mount complete

Pipe Ø ID	Art. no.
40	215 5740
50	215 5750
60	215 5760
80	215 5780

Deburring knife complete

	Art. no.
150 mm	215 5950
Replacement blade	215 5951

Taper bore drill

Drill	Art. no.
8-20 mm	215 5960

Spot drilling device

Pipe Ø ID	Art. no.
1/2”	215 5940

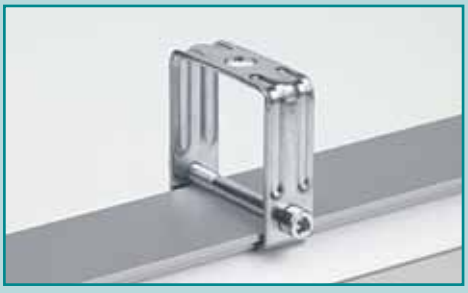
Metal fixture

Reach	Art. no.
300 mm	215 5930
500 mm	215 5935

Hanger bolt

Dimensions	Art. no.
M8 x 80	215 5961

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.

New

Designation	Article no.
 	
Pressure regulator DR Ac 1/4" 12 bar [1]	231 6050
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
Pressure regulator DR Ac 1/2" 12 bar [1]	231 6250
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
 	
Filter pressure regulator FDR Ac 1/4" 12 bar [1]	231 6000
Replacement vessel filter regulator AC 1/4"	231 6001
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
Filter pressure regulator FDR Ac 1/2" 12 bar [1]	231 6200
Replacement vessel filter regulator AC 1/2"	231 6201
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
 	
Oil mist lubricator NÖ Ac 1/4" 12 bar [1]	231 6060
Replacement vessel lubricator Ac 1/4"	231 6061
Oil mist lubricator NÖ Ac 1/2" 12 bar [1]	231 6260
Replacement vessel lubricator Ac 1/2"	231 6261
 	
Water trap WA Ac 1/4" 12 bar [1]	231 6070
Water trap WA Ac 1/2" 12 bar [1]	231 6270
 	
Combined maintenance unit WE Ac 1/4" 12 bar[1]	231 6080
Combined maintenance unit WE Ac 1/2" 12 bar[1]	231 6280

[1] Inlet pressure max. 12 bar

Designation	Article no.
	
Pressure regulator DR Ac 1" 12 bar[2]	231 6350
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
	
Filter pressure regulator FDR Ac 1" 12 bar[2]	231 6300
Replacement vessel filter regulator AC 1"	231 6301
Pressure gauge Ø 40 mm, 1/8" rear	231 6003
	
Oil mist lubricator NÖ Ac 1" 12 bar[2]	231 6360
Replacement vessel lubricator Ac 1/2"	231 6361
	
Water trap WA Ac 1" 12 bar[2]	231 6370
 *Fig. shows the scope of delivery*	 *Installation example with 1" connection block*
Connection block 1" with 2 x 1/2" thread	231 6380
Plug for thread 1/2"	215 1901

[2] Inlet pressure max. 16 bar

Designation	Article no.
 	
Pressure regulator 1/4" 14 bar[3)]	231 4050
Pressure gauge regulator 14 bar	231 4002
Pressure regulator 1/2" 14 bar[3)]	231 4250
Pressure gauge regulator 14 bar	231 4002
 	
Filter pressure regulator 1/4" 14 bar[3)]	231 4000
Replacement glass filter 1/4" 14 bar	231 4001
Pressure gauge regulator 14 bar	231 4002
Filter pressure regulator 1/2" 14 bar[3)]	231 4200
Replacement glass filter 1/2" 14 bar	231 4201
Pressure gauge regulator 14 bar	231 4002
 	
Oil lubricator 1/4" 14 bar[3)]	231 4060
Replacement glass oiler 1/4" 14 bar	231 4061
Oil lubricator 1/2" 14 bar[3)]	231 4260
Replacement glass oiler 1/2" 14 bar	231 4261
 	
Water trap 1/4" 14 bar[3)]	231 4070
Water trap 1/2" 14 bar[3)]	231 4270
 	
Maintenance unit 1/4" 14 bar[3)]	231 4080
Maintenance unit 1/2" 14 bar[3)]	231 4280

Flow direction to the right. Flow direction to the left on request.

3) Inlet pressure max. 16 bar

Designation		Article no.
Couplings with outside thread		
Coupling 1/4" OT	PU25	220 0001
Coupling 3/8" OT	PU25	220 0002
Coupling 1/2" OT	PU25	220 0003
Couplings with inside thread		
Coupling 1/4" IT	PU25	220 0011
Coupling 3/8" IT	PU25	220 0012
Coupling 1/2" IT	PU25	220 0013
Couplings with hose barbs		
Coupling 6 mm	PU25	220 0021
Coupling 9 mm	PU25	220 0022
Coupling 13 mm	PU10	220 0023
Plug-in barb		
Plug-in barb 6 mm	PU25	220 0031
Plug-in barb 9 mm	PU25	220 0032
Plug-in barb 13 mm	PU25	220 0033
Plug-in nipples with outside thread		
Plug-in nipple 1/4" OT	PU25	220 0041
Plug-in nipple 3/8" OT	PU25	220 0042
Plug-in nipple 1/2" OT	PU25	220 0043
Plug-in nipples with inside thread		
Plug-in nipple 1/4" IT	PU25	220 0051
Plug-in nipple 3/8" IT	PU25	220 0052
Plug-in nipple 1/2" IT	PU25	220 0053
Distribution list		
2x 3/8" with coupling	PU5	220 0085
3x 3/8" with coupling	PU5	220 0095
Double hose barbs		
Double hose barbs 6 mm	PU25	220 0102
Double hose barbs 9 mm	PU25	220 0103
Double hose barbs 13 mm	PU10	220 0104
Reducing nipple short		
1/8 IT x 1/4 OT	PU25	220 0141
1/4 IT x 3/8 OT	PU25	220 0142
1/4 IT x 1/2 OT	PU25	220 0143
3/8 IT x 1/2 OT	PU25	220 0145
1/2 IT x 3/4 OT	PU25	220 0147
3/4 IT x 1 OT	PU25	220 0148
Reducing nipple long		
1/4 IT x 1/8 OT	PU10	220 0151
3/8 IT x 1/4 OT	PU10	220 0152
1/2 IT x 3/8 OT	PU10	220 0153
3/4 IT x 1/2 OT	PU10	225 0211
Sleeves		
Sleeves 1/4"	PU25	220 0132
Sleeves 3/8"	PU25	220 0133
Sleeves 1/2"	PU10	220 0134
Sleeves 3/4"	PU10	220 0138
Sleeves 1"	PU10	220 0135

Designation		Article no.
Hose barbs with outside thread		
Threaded barbs 1/8", 4 mm	PU25	220 0171
Threaded barbs 1/8", 6 mm	PU25	220 0172
Threaded barbs 1/8", 9 mm	PU25	220 0173
Threaded barbs 1/4", 6 mm	PU25	220 0174
Threaded barbs 1/4", 9 mm	PU25	220 0176
Threaded barbs 1/4", 13 mm	PU25	220 0181
Threaded barbs 3/8", 6 mm	PU25	220 0175
Threaded barbs 3/8", 9 mm	PU25	220 0177
Threaded barbs 3/8", 13 mm	PU25	220 0182
Threaded barbs 1/2“, 6 mm	PU10	220 0178
Threaded barbs 1/2“, 9 mm	PU10	220 0179
Threaded barbs 1/2“, 13 mm	PU10	220 0180
T-piece with inside thread		
T-piece 1/8" IT	PU10	220 0190
T-piece 1/4" IT	PU10	220 0193
T-piece 3/8" IT	PU10	220 0196
T-piece 1/2" IT	PU10	220 0199
T-piece with outside thread		
T-piece 1/8" OT	PU10	220 0191
T-piece 1/4" OT	PU10	220 0192
T-piece 3/8" OT	PU10	220 0194
T-piece 1/2" OT	PU10	220 0198
Angle joint		
Angle joint 1/8" OT	PU10	220 0201
Angle joint 1/4" OT	PU10	220 0202
Angle joint 3/8" OT	PU10	220 0203
Angle joint 1/2" OT	PU5	220 0204
Blind plug		
Blind plug 1/8"	PU25	220 0211
Blind plug 1/4"	PU25	220 0212
Blind plug 3/8"	PU25	220 0213
Blind plug 1/2"	PU25	220 0214
Double nipple		
Double nipple T 1/8" x T 1/8"	PU25	220 0122
Double nipple T 1/4" x T 1/4"	PU25	220 0123
Double nipple T 1/4" x T 3/8"	PU25	220 0124
Double nipple T 1/4" x T 1/2"	PU10	220 0125
Double nipple T 3/8" x T 3/8"	PU10	220 012
Double nipple T 3/8" x T 1/2"	PU10	220 0127
Double nipple T 3/8" x T 3/8" left-handed	PU10	220 0130
Double nipple T 1/2" x T 1/2"	PU10	220 0128
Double nipple T 1/2" x T 3/4"	PU10	220 0129
Double nipple T 3/4" x T 3/4"	PU10	220 0136
Double nipple T 3/4" x T 1"	PU10	220 0137
Double nipple detachable		
Double nipple detachable OT 1/8" x 1/8"		220 0300
Double nipple detachable OT 1/4" x 1/4"		220 0301
Double nipple detachable OT 3/8" x 3/8"		220 0302
Double nipple detachable OT 1/2" x 1/2"		220 0303
Double nipple detachable OT 3/4" x 3/4"		220 0304
Double nipple detachable OT 1" x 1"		220 0305

Retail packaging

With cardboard back, packed in packing units (for the number of units refer to the PU table on the right)

Designation		Article no.
Couplings with outside thread		
Coupling 1/4" OT	PU6	220 1001
Coupling 3/8" OT K 26	PU6	220 1002
Coupling 1/2" OT	PU6	220 1003
Couplings with inside thread		
Coupling 1/4" IT	PU6	220 1011
Coupling 3/8" IT	PU6	220 1012
Coupling 1/2" IT	PU6	220 1013
Couplings with hose barbs		
Coupling 6 mm	PU6	220 1021
Coupling 9 mm	PU6	220 1022
Coupling 13 mm	PU6	220 1023
Plug-in barb		
Plug-in barb 6 mm	PU6	220 1031
Plug-in barb 9 mm	PU6	220 1032
Plug-in barb 13 mm	PU6	220 1033
Plug-in nipples with outside thread		
Plug-in nipple 1/4" OT	PU6	220 1041
Plug-in nipple 3/8" OT	PU6	220 1042
Plug-in nipple 1/2" OT	PU6	220 1043
Plug-in nipples with inside thread		
Plug-in nipple 1/4" IT	PU6	220 1051
Plug-in nipple 3/8" IT	PU6	220 1052
Plug-in nipple 1/2" IT	PU6	220 1053
Distribution list		
2x 3/8" with coupling	PU6	220 1085
3x 3/8" with coupling	PU6	220 1095
Double nipple		
T 1/4" x T 1/4"	PU6	220 1123
T 1/4" x T 3/8"	PU6	220 1124
T 1/4" x T 1/2"	PU6	220 1125
T 3/8" x T 3/8"	PU6	220 1126
T 3/8" x T 1/2"	PU6	220 1127
T 1/2" x T 1/2"	PU6	220 1128
Reducing nipple short IT/OT		
1/8" x 1/4"	PU6	220 1141
1/4" x 3/8"	PU6	220 1142
1/4" x 1/2"	PU6	220 1143
3/8" x 1/2"	PU6	220 1145
Reducing nipple long IT/OT		
3/8 IT x 1/4 OT	PU6	220 1152
1/2 IT x 3/8 OT	PU6	220 1153
PU in outer box		

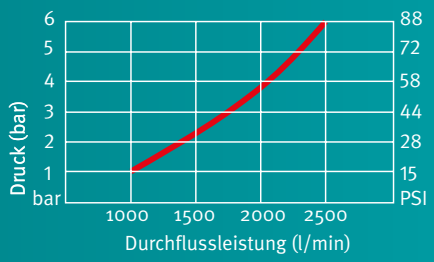
"Comfort" safety couplings

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



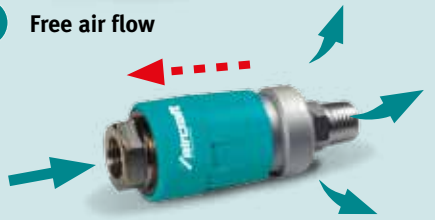
High resistance
- The plug-in nipple is not exposed to mechanical load; thus brass nipples also last longer

Comfort
- COMFORT 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

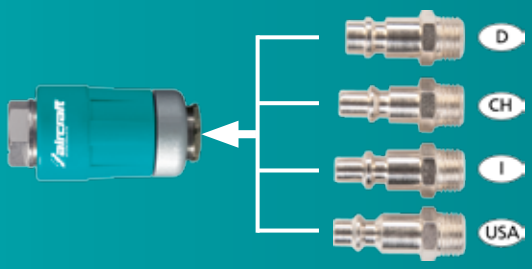
Patented safety

1 **Free air flow**



2 **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 + 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		Article no.:
1/4" outside thread		220 3101
3/8" outside thread		220 3102
1/2" outside thread		220 3103
1/4" inside thread		220 3104
3/8" inside thread		220 3105
1/2" inside thread		220 3106
6 mm with hose barb	New	220 3107
8 mm with hose barb		220 3108
10 mm with hose barb		220 3109
13 mm with hose barb	New	220 3111

Steel plug-in nipple/steel plug-in barb

Type	Article no.:
1/4" outside thread	220 3009
3/8" outside thread	220 3010
1/2" outside thread	220 3011
1/4" inside thread	220 3012
3/8" inside thread	220 3013
1/2" inside thread	220 3014
Plug-in barb, steel 9 mm	220 3015
Plug-in barb, steel 13 mm	220 3016

New

Single-handed safety couplings pressure relief and disconnecting at the push of a button

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

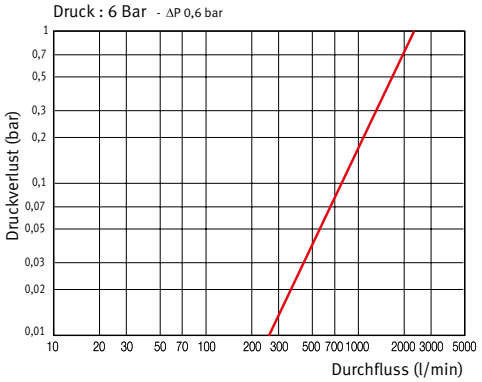
Your benefits at a glance:

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 wear, 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
- Trouble-free installation



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	Article no.:
1/4" outside thread	220 3501
3/8" outside thread	220 3502
1/2" outside thread	220 3503
1/4" inside thread	220 3504
3/8" inside thread	220 3505
1/2" inside thread	220 3506
6 mm with hose barb	220 3510
9 mm with hose barb	220 3512
13 mm with hose barb	220 3514

Steel plug-in nipple/steel plug-in barb

Type	Article no.:
1/4" outside thread	220 3009
3/8" outside thread	220 3010
1/2" outside thread	220 3011
1/4" inside thread	220 3012
3/8" inside thread	220 3013
1/2" inside thread	220 3014
Plug-in barb, steel 9 mm	220 3015
Plug-in barb, steel 13 mm	220 3016

More plug-in nipples and barbs on the previous pages.

We spell Service with a capital S

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

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

3 Installation and commissioning

Installation of your compressed air system
- Installing the complete pipe network
Commissioning your compressed air system
- Training on site

New

4 Service and maintenance

- 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 planning AIRCRAFT Deutschland:

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Email: info@aircraft-kompressoren.de

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Fax: +43 (0) 77 52 / 7 09 29 - 99
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Spare parts orders AIRCRAFT Germany:

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- 117 Mr. Endres
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Email: ersatzteile@stuermer-maschinen.de

Spare parts orders AIRCRAFT Austria:

Phone: +43 (0) 77 52 / 70 929 - 0 Head office
Fax: +43 (0) 77 52 / 70 929 - 99
Email: info@aircraft.at

Compressed air tools and accessories

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

1 AS

2 ES

3 SD

4 PJ HVLP

1 Airbrush kit AS **210 1050**

- 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 reducer nipple adapter and flat spanner
- Weight: 0.16 kg

Spare nozzle kit 0.3 mm **210 1052**

2 Airbrushing gun ES **210 1260**

- Adjustable circular section jet and wide-spread nozzle 0.5 mm
- With colour rate control
- Versatile for car repairs and model making
- Plastic flowing cup 100 ml
- Working pressure: 1 - 3 bar · Air consumption: 30 - 60 l
- Weight: 0.40 kg

Nozzle set 0.5 mm for ES **210 1265**

Nozzle set 0.7 mm for ES **210 1267**

Spare gravity feed cup for ES **210 1261**

3 Paint spraying gun SD **210 1400**

- For universal use · infinitely variable for round and flat jet · With paint volume control · Plastic gravity feed cup 0.5 l
- Nozzle 1.5 mm
- Working pressure: 3.0 - 4.5 bar · Air consumption: 100 - 200 l
- Weight: 0.5 kg

Nozzle set 1.2 mm for SD **210 1412**

Nozzle set 1.5 mm for SD **210 1415**

Nozzle set 2.0 mm for SD **210 1420**

Nozzle set 2.5 mm for SD **210 1425**

Spare gravity feed cup for SD **210 1401**

4 Paint spraying gun PJ HVLP **210 1600**

- For premium use · infinitely variable paint volume control · Plastic gravity feed cup with drip stop 0.75 l
- Nozzle 1.4 mm · with paint strainer
- Working pressure: 3.5 - 4 bar · Air consumption: 150 - 200 l
- Weight: 0.7 kg

Nozzle set 1.4 mm for PJ HVLP **210 1614**

Nozzle set 1.7 mm for PJ HVLP **210 1617**

Nozzle set 2.0 mm for PJ HVLP **210 1620**

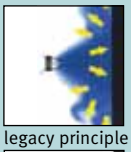
Nozzle set 2.2 mm for PJ HVLP **210 1622**

Spare gravity feed cup 0.75 l for PJ HVLP **210 1601**

Paint filter for PJ HVLP **210 1602**

HVLP paint spraying guns

- Normal pressure spray gun HVLP system. Lower atomisation pressure reduces backlash and spray mist
- Reduced air consumption
- Reduced paint consumption
- More effective coverage
- reduces disposal costs for overspray and filter



legacy principle

HIGH VOLUME LOW PRESSURE

5 HVLP PRO

8 Inline pressure controller

9 Inline water trap

10 Wall mounting

5	**Paint spraying gun HVLP PRO**	**210 1700**

· for professional use · continuously adjustable for round and flat jet · with continuously adjustable paint volume control and air flow control · Nozzle set 1.5 mm stainless steel
· Plastic gravity cup 680 ml in a handy storage case with wear parts, in-line pressure regulator and 3 paint filters

· Weight: 0.92 kg
· Working pressure: 2 - 2.5 bar · Air consumption: 200 - 270 l

Nozzle set 1.3 mm for HVLP PRO	**210 1713**
Nozzle set 1.5 mm for HVLP PRO	**210 1715**
Nozzle set 1.7 mm for HVLP PRO	**210 1717**
Nozzle set 1.9 mm for HVLP PRO	**210 1719**
Nozzle set 2.2 mm for HVLP PRO	**210 1722**
Nozzle set 2.5 mm for HVLP PRO	**210 1725**
Spare gravity feed cup for HVLP PRO	**210 1701**
6 **Paint filter (PU10 pcs.)**	**210 1703**
7 **Repair kit HVLP PRO**	**210 1730**

6 Paint filter (PU 10 pcs.)

7 Repair kit HVLP PRO

8	**Inline pressure controller with pressure gauge**	**210 1910**

· For exact control of the air pressured directly at the gun
· Connecting thread: Inlet side 1/4" IT, outlet side 1/4" OT

9	**Inline water trap**	**231 1900**

· For direct connection with the gun
· Dry air even with long air lines
· Connecting thread: Inlet side 1/4" IT, outlet side 1/4" OT

10	**Wall mount for paint spraying gun**	**210 1010**

· magnetic
· Paint spray gun always at hand
· Holding force 4 kg

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

Technical data	
Working pressure	2 - 8 bar
Air requirement	80 - 300 l/min

- All blowguns including coupling plug

1 BPK short

2 BPL long

3 BP PRO-E

4 BPI PRO

6 Nozzle set 5 part

5 BP PRO DUO

- *Hose connection possible at top and bottom*
- *No hose tangle*

New

7 BP PRO - 10

8 BP PRO G

1 Blow gun short BPK (PU 10) 211 2100

- Handy, robust aluminium design
- Weight: 0.18 kg

2 Blow gun long BPL (PU 10) 211 2110

- Handy, robust aluminium design
- Length of blowpipe: 160 mm
- Weight: 0.22 kg

3 Blow gun BP PRO-E (PU 5) 210 2180

Dosable with standard nozzle Ø 1.5 mm · Thread M12 x 1.25

- Gun housing made of forged aluminium
- Anodized trigger
- Weight: 0.19 kg

4 Blow gun BPI PRO (PU 5) 210 2170

- With injector nozzle, 100% higher air flow thanks to venturi tube
- Working pressure 1.0 - 6.0 bar
- Weight: 0.27 kg

5 Blow gun BP PRO DUO New **210 2190**

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

- Weight 0.20 kg

6 Nozzle set for blow gun, 5-part New **210 2192**

- Adapter, venturi tube, spray nozzle, ball pumping nozzle, rubber nozzle Ø 35mm
- Suitable for BP PRO DUO, 2102190 and BP PRO, 2112140

7 Blow gun kit BP PRO 211 2120

Unlimited applications in production, workshops, for the car and in the home. For rapid cleaning of large surfaces and those hard to reach places.

- Weight: 0.14 kg
- Set of 10

8 Blow gun PRO G (PU 5) 211 2121

- Perfectly suited for sensitive surfaces
- Nozzle tip with removable rubber jacket prevents scratches
- Avoids cold hands thanks to full plastic housing
- Infinitely variable control of the air flow thanks to long trigger
- Weight: 0.14 kg

16 Guard

17 BPS Soft PRO

New

9 BP PRO V

10 BP PRO Set

11 BP PRO T

12 BP PRO R

13 BP PRO L

14 BP PRO XL

15 BP PRO XXL

New

New

9 Blow gun PRO V (PU 5) 211 2122
- Approx. 100% higher air flow through the venturi tube
- Infinitely variable control of the air flow thanks to long trigger
- No cold hands due to all plastic housing
- Weight: 0.14 kg

10 Blow gun BP PRO KIT New **211 2140**
- 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%
  Impact-resistant plastic body
- Weight: 0.17 kg

11 Blow gun BP PRO T New **211 2135**
- With continuously pull-out, telescopic nozzle from 165 - 280 mm
- Pull-out and rotating nozzle makes it easy to
  to blow clean those hard to reach areas
- Avoids cold hands thanks to full plastic housing
  Impact-resistant plastic body
- Weight: 0.17 kg

12 Blow gun PRO R (PU 5) 211 2130
- With adjustment screw for setting the maximum air flow
- Perfectly suited for sensitive surfaces
- Nozzle tip with removable rubber jacket prevents scratches
- Infinitely variable control of the air flow thanks to long trigger
- No cold hands due to all plastic housing
- Weight: 0.14 kg

13 Blow gun PRO L (PU 5) 211 2123
- With 250 mm blowpipe for hard to reach places
- Infinitely variable control of the air flow thanks to long trigger
- No cold hands due to all plastic housing
- Weight: 0.16 kg

14 Blow gun PRO XL (PU 5) 211 2124
- Design as per blow gun BPP PRO L but with 500 mm blowpipe
- Weight: 0.18 kg

15 Blow gun PRO XXL (PU 5) 211 2125
- Design as per blow gun BPP PRO L but with 800 mm blowpipe
- Weight: 0.22 kg

16 Protective shield for blow guns BP PRO New **211 2150**
- Perfect for blowing out blind holes
- Avoids backlash from swarf, coolant etc.

17 Blow gun Soft BPS PRO (PU 5) 210 2130
- Handy blow-out gun for easy blow cleaning tasks
- Activated by slight pressure to the gun tip
- Air rate adjustable through actuation pressure

Tyre inflator and pressure gauge

- For checking and inflating tyres
- Standard and calibrated type

1 SD / SD-G (fig. shows calibrated type SD-G)

2 PRO-E

3 PRO / PRO-G

Calibrated

4 PRO-G COMPACT

1 Tyre inflator and pressure gauge SD **210 2300**
- With quick coupling · Weight: 0.39 kg
- Working pressure: max. 8 bar ·Measuring range: 0-8 bar

Spare pressure gauge Ø 63 mm **210 2302**

1 Tyre inflator and pressure gauge SD-G calibrated **210 2350**
- With quick coupling · Weight: 0.39 kg
- Working pressure: max. 10 bar ·Measuring range: 0-10 bar

Spare pressure gauge Ø 63 mm calibration capable **210 2351**

Quick coupling for SD, SD-G, PRO and PRO-G **210 2301**

Tyre inflator and pressure gauge PRO E **210 2700**

2
- Professional type with rocker arm connector
- Ergonomically shaped with grip body made of high-strength plastic material
- High-quality precisely readable pressure gauge Ø 63 mm
- Working pressure: max. 10 bar ·Measuring range: 0-10 bar
- Weight: 0.47 kg

3 Tyre inflator and pressure gauge PRO **210 2500**

Professional type · with quick coupling
- High-quality precisely readable pressure gauge Ø 80 mm
- Working pressure: max. 12 bar ·Measuring range: 0-10 bar
- Weight: 0.60 kg

Spare pressure gauge Ø 80 mm calibration capable **210 2601**

3 Tyre inflator and pressure gauge PRO-G calibrated **210 2600**
- Working pressure: max. 12 bar · Measuring range: 0-10 bar
- Weight: 0.58 kg

Spare pressure gauge PRO
Ø 80 mm calibration capable **210 2601**

4 Tyre inflator and pressure gauge
PRO-G COMPACT calibrated **210 3010**

Compact professional design, aluminium with lever connector
High quality, excess pressure protected gauge with metal housing Ø 63 mm
- Weight: 0.60 kg · working pressure: max. 10 bar
- Measuring range: 0-10 bars

Spare pressure gauge PRO-G COMPACT Ø 63 mm **210 3011**

Pressure gauge calibration capable

Upright tyre inflator

- 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

Calibrated

1 SFM-G

Easy single-handed operation via "Plus-Minus handle"

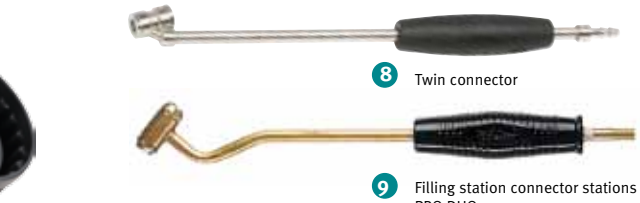
2 Filling valve

1 Portable upright inflator/pressure gauge SFM-G **210 2860**
- With air tank (approved as gas pressure vessel) and filling valve
- Calibrated model · including double-sided connector for filling stations with double connector for twin tyres
- Excess pressure protected up to 16 bar
- Air tank capacity: 6 l · Filling pressure tank: 16 bar
- Operating temperature -10 to +60 °C
- Working pressure: max. 10 bar · Measuring range: 0-10 bar
- Secondary scale 0 - 140 psi · Weight: 7.1 kg

2 Filling valve connector T 1/2 **210 2861**

5 PRO-G H

6 PRO-G DUO



8 Twin connector

9 Filling station connector stations PRO DUO

7 XL hose with lever connector

10 Lever type connector

11 Adapter kit

5 Tyre inflator and pressure gauge PRO-G H calibrated 210 2800
- Particularly robust professional design with lever connector for filling stations and garages
- High quality, pressure gauge, excess pressure protected Ø 80 mm in horizontal use position
- Including double scale pressure gauge for 2 read-off areas
- Working pressure: max. 10 bar · Measuring range: 0-10 bar · Weight: 0.9 kg

6 Tyre inflator and pressure gauge PRO-G DUO calibrated 210 2850
- Particularly robust professional design for filling stations and garages
- Universal offset double-sided filling station connector (also for twin-tyres and motorcycle tyres)
- High quality, pressure gauge, excess pressure protected Ø 80 mm in horizontal use position
- Including double scale manometer for 2 reading ranges
- Working pressure: max. 10 bar · Measuring range: 0-10 bar · Weight: 1 kg

Spare pressure gauge PRO-G H/PRO-G DUO Ø 80 mm 210 2801

7 XL hose with lever connector New **210 2804**
- Hose length 2500 mm
- matches tyre inflator and pressure gauges PRO G DUO and Pro-G H

8 Twin connector (PU 5) 210 2605
- With rubber grip and double-sided plug-in valve
- Hose barb 6 mm · Weight: 0.14 kg

9 Filling station connector PRO DUO 210 2803
- Plugs onto lever or torque type connector
- Curved version

10 Lever connector 210 2802
- Including hose clamp and captive valve pins
- Hose barb 6 mm

11 Adapter set (PU 10) 210 2900
- consisting of: Bicycle valve adapter, narrow nozzle, wide nozzle for bicycles, balls, inflatable boats, air beds

Compressed air kits

3 Kit 8 pcs.

4 Tyre replacement kit 11 pieces

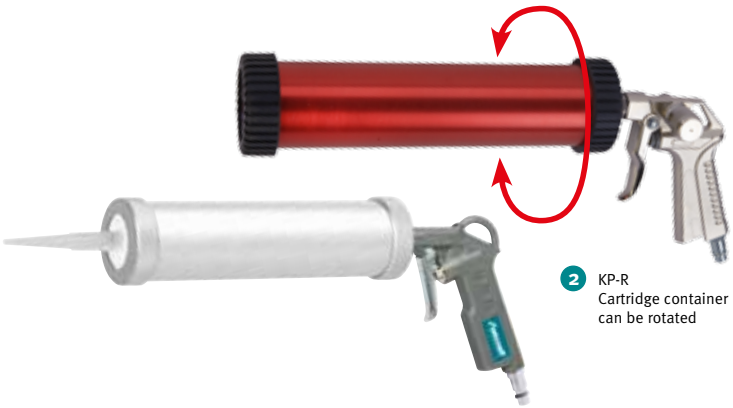
Quality compressed air set entry-level version 6-part 210 2006 24.90
- consisting of: 1 Blow gun, 1 tyre inflator SD, 1 premium polyurethane spiral hose 1 3-piece adapter set

Quality compressed air set 7-part 210 2007
Same as Art. no. 210 2006, plus 1 paint spraying gun

3 Quality compressed air set 8-part 210 2008
Same as Art. no. 210 2007, plus 1 additional spray gun

4 Tyre replacement set 11-part 240 0100
- consisting of: Tire inflator/pressure gauge, blow gun, spiral hose 5 m, Adapter kit 3-part, 1/2", sockets impact driving tool: 17 mm, 19 mm, 21 mm, oil bottle in rugged plastic case

Cartridge guns and silicone applicators



1 KP

2 KP-R
Cartridge container can be rotated

3 KP PRO

4 SP PRO

1 Cartridge gun KP **210 2250**
- For commercially available cartridges
- With quick ventilation, no material drips
- Only works with cartridge
- Air requirement: 50 l/min · Working pressure: approx. 1.5 - 2.5 bar
- Weight: 0.5 kg

2 Cartridge gun KP-R **210 2260**
- For commercially available cartridges
- With quick ventilation, no material drips
- Infinitely adjustable for correct dosing of material Cartridge container can be rotated
- Air consumption: 60 l/min working pressure: approx. 1.5 - 2.5 bar
- Weight: 0.56 kg

3 Cartridge gun KP PRO **210 2270**
- For commercially available cartridges
- With quick ventilation, no material drips
- Infinitely variable
- Air consumption approx.: 100 l/min · working pressure: up to 8·bar
- Weight: 1.04 kg

4 Silicone applicator SP PRO **210 2290**
- For commercially available 600 ml silicone beads
- With quick ventilation, no material drips
- Infinitely variable
- Air consumption approx.: 100 l/min · working pressure: up to 8·bar
- Weight: 1.32 kg

Spray guns / Underbody protection gun

1 SPA

2 SPA-R

3 SPK

1 Spray gun aluminium SPA **210 2200**
- For spraying cold cleaners, cleaning agents and spray oils with 1 l aluminium tank · · with bayonet connector
- Weight: 0.46 kg · Air requirement: 200 l/min
- Working pressure 4-6 bars

2 Spray gun aluminium SPA **210 2220**
- For spraying cold cleaners, cleaning agents and spray oils
- with 1 l aluminium tank · with bayonet connector
- With material and air quantity adjustment
- Air consumption: 120-220 l/min · working pressure: 3-6 bar
- Weight: 0.68 kg

3 Spray gun aluminium SPA **210 3000**
- For spraying cold cleaners, cleaning agents and spray oils
- With 360° swivelling spray tube
- Including 0.7 l plastic container · Weight: 0.85 kg
- Including nozzle Ø 3 mm and adjustable jet
- Air consumption: 160 l/min · working pressure: 2-6 bar

4 Cork gasket for spray gun SPK **210 3001**

4 Cork seal

Grease gun kits

5 FPS PRO automatic

6 FPS PRO

7 FPS PRO D

FPS PRO D rotates through 360°

8 Bleeder valve

5 Grease gun set FPS PRO **210 2230**
- 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
- Air consumption: 0.4 l/stroke · Working pressure: 2-8 bar
- Weight : 1.5 kg · Pressure ratio: 1:40

6 Grease gun kit FPS PRO automatic **210 2240**
- 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
- Air consumption approx.: 0.4 l/stroke · Working pressure: 2-8 bar
- Weight : 1.6 kg · Pressure ratio: 1:40

7 Grease gun kit FPS PRO D **210 2245** New
- 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
- Air consumption approx.: 0.4 l/stroke · Working pressure: 2-8 bar
- Weight : 1.6 kg · Pressure ratio: 1:40

8 Dump valve for grease guns **210 2247** New
- For simple bleeding of grease guns
- For fast work without interruptions

5 RP

6 UHP PRO

5 Cleaning gun RP New **210 2210**
- Cleaning gun for fast, gentle and thorough cleaning of various materials such as fabrics, glass, metal, plastic, painted surfaces...

Rotating nozzle type spray gun
- Wet and dry application possible
- Atomises the detergent to achieve best effect
- Infinitely adjustable cleaning agent dosing
- Easy to use
- Speed: 6000 rpm · Air consumption: approx. 200 l/min
- Tank volume: 900 ml · Weight: 0.9 kg
- Working pressure: 6.3 bar

6 Underbody protection gun UHP PRO **210 4150**
- For underbody and cavity sealing
- With wide riser tube for viscose material
- For commercial cans with 40 mm cord thread
- Supplied with 550 mm spray hose as standard equipment
- Weight: 0.40 kg
- Working pressure: 4 - 6 bar · Air consumption: 120 - 180 l

Sandblasting guns

1 MSP

2 Abrasives for MSP

1 Mini sandblasting gun MSP New **210 3050**

- 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
- With 1.5 m compressed air hose for good mobility
- Scope of delivery:
  Blasting material tank made of light plastic, 200 g aluminium oxide in plastic container with lid, propellant can adapter with adjusting screw, connector adapter ¼" IT, 1.5 m air hose
- Working pressure 2 - 2.5 bar
- Air consumption: approx. 200 l/min

Replacement nozzle for sandblasting brush MSP **210 3051**

2 Sandblasting medium **210 3053**

- 200 g aluminium oxide
- In a glass

3 SPB

4 SPS

5 SPS PRO

3 Sandblasting gun SPB **210 3100**

Hardened special nozzle including suction cup 1 l

- Nozzle diameter: 6 mm
- Weight: 0.50 kg
- Working pressure 4 - 8 bar
- Air consumption 250-300 l

Spare nozzle SPB, SPC **210 3101**

4 Spare nozzle SPS **210 3300**

Allows suction of abrasive material from external containers

- Nozzle diameter: 6 mm
- Weight: 0.48 kg
- Working pressure: 4 - 8 bar
- Air consumption 250-400 l

Spare nozzle SPB, SPC **210 3101**

5 Sandblasting gun SPS PRO **210 3550**

- for blasting media up to 0.8 mm grain size
- Including suction hose, length 170 cm, ID 18 mm / OD 24 mm
- Including hardened jet nozzle
- Weight: 1.2 kg
- Hardened nozzle 6 mm included in the delivery volume
- Working pressure: 5 - 8 bar
- Air consumption: 320 - 420 l/min

Spare nozzle hardened 6 mm for SPS PRO **210 3551**

Spare nozzle hardened 8 mm for SPS PRO **210 3552**

New

SSK Series - sandblasting cabinets for clean sandblasting operation without polluting the work environment

- Suitable for a variety of abrasives, e.g., quartz, glass or plastic peen shot, etc.
- Ideal for cleaning, rust removal, or removing paint from metal parts of all kinds such as engine parts, fittings, signs, housings, wheels, hinges
- Quality Latex work gloves firmly connected to the housing
- Hood with view window and adhesion bonded protective film for optimum visibility and protection when processing the workpiece
- Hood and door frame with circumferential seals for dust-free work
- With drain plug for changing the abrasive
- With sturdy wire shelf for positioning workpieces in the cabin interior
- Suction pipe for abrasive at bottom of catchment tank
- With compressed air connection on the outside
- Equipped with rubber feet to prevent slipping and for stability

Scope of delivery:
- Premium sandblasting gun with ceramic nozzle
- 4 pcs. ceramic nozzle (4/5/6/7 mm)
- 12 volt fluorescent tube 230 volt power supply and external switch
- Incl. 5 pcs. replacement film for viewing window
- Two large, integrated work gloves made of latex

Scope of delivery SSK 3 where different:
- 2 fluorescent tubes (230 volt), in separate housing with protective screen and replaceable protective film, including 5 replacement films
- Light switch with double function: Extraction and cabin lighting are switched on and off at the same time
- Maximum working pressure adjustable via pressure regulator with pressure gauge

SSK 1
- *Hood easily removable via rotary lock*
- *Cabin air vent equipped with dirt filter*

SSK 2
- *Large door for loading and unloading*
- *Cabin air vent equipped with dirt filter*
- *2 vents (1 exhaust air connection ø 92 mm and 1 exhaust air connection ø 64 mm) for connecting a dust extraction system*

SSK 3
- *Two side doors and a front flap for quick and easy loading and unloading*
- *Integrated extraction system with replaceable air filter*
- *Sandblasting gun without trigger - air flow controlled via foot pedal*

Model	**SSK 1**
Article no.:	620 4000
Technical data	
Cabin volume	90 l
Air consumption	200 - 350 l/min
Working pressure	2.8 - 8.0 bar
Max. working pressure	8.6 bar
Compressed air supply	3/8"
Abrasive grain size	40 - 120 mesh
Cabin internal dimensions	580 x 480 x 300 mm
External dimensions:	590 x 485 x 490 mm
Weight	17 kg

Accessories SSK 1	**PU**	**Article no.**
Sandblasting gun		620 4101
Gloves		620 4100
Filter		620 4102
Protective film	5	620 4103
Viewing window		620 4104
Ceramic nozzle set 4/5/6/7mm		620 4130
Fluorescent tube		620 4113

Model	**SSK 2**
Article no.:	620 4001
Technical data	
Cabin volume	220 l
Air consumption	200 - 500 l/min
Working pressure	2.8 - 8.0 bar
Max. working pressure	8.6 bar
Compressed air supply	3/8"
Abrasive grain size	40 - 120 mesh
Cabin internal dimensions	840 x 550 x 360 mm
External dimensions:	950 x 660 x 1380 mm
Weight	55 kg

Accessories SSK 2	**PU**	**Article no.**
Sandblasting gun		620 4101
Gloves		620 4110
Protective film	5	620 4111
Viewing window		620 4112
Ceramic nozzle set 4/5/6/7mm		620 4130
Fluorescent tube		620 4113

Model	**SSK 3**
Article no.:	620 4002
Technical data	
Cabin volume	340 l
Air consumption	400 - 800 l/min
Working pressure	3.4 - 8.0 bar
Max. working pressure	8.6 bar
Compressed air supply	3/8"
Abrasive grain size	40 - 120 mesh
Cabin internal dimensions	1210 x 600 x 580 mm
External dimensions:	1310 x 920 x 1700 mm
Weight	125 kg

Accessories SSK 3	**PU**	**Article no.**
Sandblasting gun		620 4124
Gloves		620 4120
Filter		620 4123
Viewing window		620 4122
Ceramic nozzle set 2 x 6mm / 2 x 7mm		620 4131
Protective screen Illumination		620 4125
Protective film Illumination	5	620 4126

Professional impact driving tools in lightweight, composite design with powerful torque for

- High-performance driving tools 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

1

Tightening torque adjustable in 3 stages

2

1 Impact driving tool Komposit 1/2" Compact PRO 240 1400

- High-performance dual impact mechanism
- Chuck: 1/2"
- Air consumption approx.: 7 l/s
- Working pressure: 6.3 bar
- Weight: 1.2 kg
- Torque
  Right-handed rotation: 430 Nm
  Left-handed rotation: 540 Nm

2 Impact driving tool Komposit 1/2" PRO 240 1420

- High-performance dual impact mechanism
- Chuck: 1/2"
- Air consumption approx.: 6.8 l/s
- Working pressure: 6.3 bar
- Weight: 2.2 kg
- Torque
  Right-handed rotation: 800 Nm
  Left-handed rotation: 1080 Nm

Industrial impact driving tool 3/4"

- Proven standard impact driving tool
- For tough work in automotive applications, on assembly lines and in agriculture

1 IS 3/4" Komposit

2 IS 3/4" PRO

New

1 Industrial impact driving tool IS 3/4" Komposit 240 1260

- 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
- Torque can be adjusted in three stages for clockwise rotation
- Speed anti-clockwise: max. 7000 rpm
- Seat: 3/4" square
- Air consumption approx.:8.5 l/s
- Working pressure: max. 6.3 bar
- Weight: 3.2 kg
- Torque
  Anti-clockwise rotation: max. 1220 Nm
  Clockwise rotation:
  adjustable in 3-stages

2 Industrial impact screw driver IS 3/4" PRO 240 1250

- Impact force for clockwise/anti-clockwise rotation separately adjustable in 6 stages
- Seat: 3/4" square
- Air consumption approx.: 7.5 l/s
- Working pressure: max. 6.3 bar
- Weight: 5.6 kg
- Torque: approx. 1220 Nm

Car repair shops, builders and trades, industry

3

Starting torque adjustable in 3-stages

4

3 Impact driving tool Komposit 3/4" PRO 240 1440

Rugged, durable roller impact mechanism

- Chuck: 3/4”
- Air consumption approx.: 8.5 l/s
- Working pressure: 6.3 bar
- Weight: 3.8 kg
- Torque
  Right-handed rotation: 1350 Nm
  Left-handed rotation: 1620 Nm

4 Impact driving tool Komposit 1" PRO 240 1450

Rugged, durable roller impact mechanism

- 200 mm spindle with handle
- Chuck: 1”
- Air consumption approx.: 8.7 l/s
- Working pressure: 6.3 bar
- Weight: 5.0 kg
- Torque
  Right-handed rotation: 1350 Nm
  Left-handed rotation: 1620 Nm

Industrial impact screw driver 1“

- Proven standard impact driving tool with dual-hammer impact for rapid torque build-up
- Torque adjustable in 3 stages for clockwise and anti-clockwise action
- For tough applications in the automotive sector on trucks, buses, for forwarding companies, etc.

3 IS 1” PRO

New

particularly lightweight

4 IS 1” PRO Duo

5 Inline oilers

3 Industrial impact driving tools 1" PRO New 240 1310

- Seat: 1“ square
- Air consumption approx.: 9.5 l/s
- Working pressure: max. 6.3 bar
- Weight: 18 kg
- Speed anti-clockwise: 3600 rpm
- Torque
  Anti-clockwise rotation:
  max. 2800 Nm

4 Industrial impact driving tools 1" PRO Duo 240 1350

- 200 mm spindle
- particularly lightweight design
- Chuck: 1" square head
- Air consumption approx.: 9.3 l/s
- Working pressure: max. 3000 Nm
- Torque: max. 6.3 bar
- Weight: 10.6 kg

5 Inline oiler 231 0010

Impact driving tool sets

1 Set ISS 1/4”

2 Set 1/2”

1 Impact driving tool set ISS 1/4" New **240 1050**

- 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 5 long sockets 8, 9, 10, 11, 12 mm, ball joint, extension

- Seat: 1/4“ square
- Air consumption approx.: 5 l/s
- Working pressure: 6.3 bar
- Weight: 0.9 kg
- Torque: 10/20/30/40 Nm

2 Impact driving tool set 1/2" 240 1100

- 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

· Chuck: 1/2" square head · Air consumption approx.:6 l/s
- Working pressure approx.: max. 320 Nm · Torque: 6 bar
- Weight: 2.2 kg

1 Set 1/2" Komposit PRO

Accessories for impact driving tools

2 Impact driving tool socket set

1 Impact driving tool set 1/2" Komposit PRO 240 1430

- Including ten sockets: 9, 10, 11, 13, 14, 17, 19, 22, 24, 27 mm, extension and inline oiler

· Chuck: 1/2”
- Air consumption approx.: 6.8 l/s
- Working pressure: 6.3 bar
- Weight: 2.2 kg
· Torque
Right-handed rotation: 800 Nm
Left-handed rotation: 1080 Nm

2 Impact driving tool socket set 1/2" 10 pcs. 240 0001

- Reinforced type · hardened · in metal box
- Dimensions: 10, 11, 12, 13, 15, 17, 19, 21, 22, 24

Impact driving tool socket set 3/4" 8 pcs. 240 0002

- Dimensions: 26, 27, 29, 30, 32, 35, 36, 38

Impact driving tool socket set 1" 7 pcs. 240 0003

- Dimensions: 24, 27, 30, 32, 35, 36, 38

3 ISS 1/2" PRO

4 Set 1/2" Mini

3 Impact driving tool set Komposit SS 1/2" New **240 1220**

- handy and lightweight with impact-proof Komposit housing
- With dual-hammer impact mechanism for rapid torque build-up
- Air ducting through the handle
- Scope of delivery: Including ten sockets: 9, 10, 11, 13, 14, 17, 19, 22, 24, 27 mm, extension and inline oiler
- Torque: max. 560 Nm · adjustable in 3 stages
- Air consumption approx.: 420 l/min · Weight: 2.1 kg

4 Industrial impact driving tool set 1/2" Mini New **240 1205**

- handy, lightweight and compact - overall length (without socket) just 125 mm
- Double hammer mechanism
- Chuck: 1/2"
- Air consumption approx.: 420 l/min · Torque: max. 600 Nm
- Working pressure: 6.3 bar · Weight: 1.4 kg
- Scope of delivery: 8 extra short impact screw driver nuts 14, 15, 16, 17, 19, 21, 22, 24 mm, elongation

3 Impact driving tool sockets 1/2" long

4 Inline oilers

5 Wall mounting (Scope of delivery volume without impact driving tool and illustrated impact driving tool sockets)

Spot weld cutter

8 SF PRO

3 Sockets for impact driving tools 1/2" long **240 0010**

- plastic sheathed for alloy wheels
- Dimensions: 17 / 19 / 21 mm
- Length: 85 mm

4 Inline oiler **231 0010**

5 Wall-mount for impact driving tool **240 0050**

- 2 powerful magnetic holders, holding force 10 kg

8 Spot weld cutter SF PRO **240 4580**

- Precision adjustable milling depth for precision work
- e.g. for electric weld spots

- Milling cutter: 8 mm
- Speed: 1800 rpm
- Air consumption: 240 l/min
- Working pressure: max. 6.3 bar
- Weight: 1.3 kg

Replacement milling cutter SF Pro **240 4581**

Drilling machines

- Robust industrial type
- With quick-action drill chuck
- Lightweight and compact design
- With rubberised, ergonomically shaped handle, cold-insulating, slip-proof and low vibration
- For manufacturing and shop
- Komposit housing made of impact-proof plastic material

1 BM R+L PRO

2 WB 10 PRO

1 Drilling machine BM R+L PRO **240 4100**

- Air ducting through the handle
- Fast anti-clockwise/clockwise rotation switch-over
- Quick-action drill chuck 3/8", 10 mm

- Air consumption approx.: 360 l/min
- Working pressure: 6·bar
- Idle speed: approx. 1800 rpm
- Weight: 1.1 kg

2 Angle drilling machine WB 10 PRO **240 4190**

- Quick-action drill chuck 3/8", 10 mm
- Powerful dual-transmission for a smooth running and a long service life

- Air requirement: 280 l/min
- Working pressure: max. 6.3 bar
- Speed: 1900 rpm
- Weight: 1.1 kg

Rotary wrenches

- Clockwise/anti-clockwise rotation with single-handed operation
- With hexagon socket chuck 1/4"
- With quick-action chuck
- Torque configurable via adjusting ring
- Low-noise thanks to exhaust air hose

1 ST PRO

2 PS PRO

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

3 RS 1/4" PRO

1 Baton screwdriver ST PRO **240 4210**

- Straight type, ideal for assembly line work
- Air consumption: 300 l/min
- Torque: 3-8 Nm
- Speed: 1800 rpm
- Working pressure: max. 6.3 bar
- Weight: 0.9 kg

2 Pistol type driving tool PS PRO **240 4220**

- With rubberised handle, cold-insulated and vibration damped
- Air consumption: 360 l/min
- Torque: 1-12 Nm
- Speed: 1650 rpm
- Working pressure: max. 6.3 bar
- Weight: 1.2 kg

3 Ratchet type screwdriver RS 1/4" PRO **240 1500**

- Small handy ratchet type screwdriver for tight spaces
- Chuck: 1/4“ square head
- Air consumption: 210 l/min
- Working pressure: max. 6.3 bar
- Torque: 33 Nm
- Weight: 0.5 kg
- Speed approx.: 110 rpm

Komposit

3 BM 10 Komposit PRO

Komposit
Low speed

4 BM 13 Komposit PRO

3 Drilling machine BM 10 Komposit PRO **240 4150**

- Quick-action drill chuck 3/8", 10 mm
- Powerful dual-transmission for a smooth running and a long service life
- With anti-clockwise/clockwise rotation switch-over
- Air requirement: 460 l/min · working pressure: max. 6.3 bars
- Speed: 1800 rpm · Weight: 0.9 kg

4 Drilling machine BM 13 Komposit PRO **240 4170**

- Quick-action drill chuck 1/2", 13 mm
- Powerful dual-transmission for a 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)
- Air requirement: 430 l/min · working pressure: max. 6.3 bars
- Speed: 450 rpm · Weight: 1.6 kg

4 RS 3/8" PRO

5 RS 1/2" PRO

6 LR S 1/2"

7 RS S 1/2" PRO

4 Air ratchet set RS 3/8" PRO New **240 1505**

- Handy ratchet screwdriver handy for hard to reach places (only 140 mm length) with extensive accessories
- Check 3/8" square head for sockets, with bit holder
- Air consumption approx.: 220 l/min · Working pressure: 6.3 bar
- Max. torque: 27 Nm · Weight: 0.4 kg · Anti-clockwise/clockwise rotation

5 Ratchet screw driver RS 1/2" PRO **240 1520**

- Very powerful due to double drive in the ratchet head
- Chuck: 1/2" square head · Air consumption approx.: 170 l/min.
- Working pressure: max. 6.3 bar · Torque approx.: 135 Nm
- Weight: 1.2 kg · Speed approx.: 160 rpm

6 Air ratchet set LR S 1/2" **240 1550**

- With swivel connection and extensive accessories
- In a practical plastic case
- Air consumption approx.: 390 l/min · Working pressure: 6 bar
- Torque approx.: 60 Nm · Weight: 1.2 kg · Anti-clockwise/clockwise rotation

7 Ratchet screwdriver RS 1/2" PRO New **240 1510**

- Handy ratchet screwdriver (Length: 256 mm) with +30 ° to -30 ° swivel head for working in hard to reach places
- Chuck:1/2" square head · Torque: 68 Nm max.
- Air consumption: 200 l/min · Working pressure: 6.3 bar
- Weight: 0.93 kg · Speed approx.: 180 rpm

Long neck angle grinder

· For sanding and grinding
also in hard to reach places

Protective hood quick adjustment through 126° with eight latch points

1 TWS PRO

Angle grinder

For commercially available discs up to Ø 125 mm
· Universally deployable for roughing and cutting

2 WS 125 PRO

1 Long neck angle grinder TWS PRO 240 3490

· 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
· Working pressure: max. 6.3 bar · Cutting disc Ø: 100 mm
· Speed: 17000 rpm · Air consumption: 532 l/min
· Weight: 1.8 kg

Cutting disc TWS PRO (PU 10 pcs.) 240 3495

· 100 mm x 0.8 mm x 9.6 mm

2 Angle grinder WS 125 PRO 240 3470

· Handy and yet powerful model
· For conventional sanding discs up to 125 mm Ø

· Seat: 22 mm
· Speed: 10000 rpm · Air consumption: 490 l/min
· Working pressure: 6.3 bar · Weight: 1.7 kg

Universal remover

· For a variety of chassis cleaning tasks
· Including ergonomic, anti-skid and vibration-damped plastic handle
· Safety lever
· Including side handle

Accessories included in set

1 UE PRO, fig. shows carrier wheel 23 mm with rubber eraser pad ochre mounted

Rubber eraser pad ochre

Wire brush belt coarse 23 mm

1 Universal remover set UE PRO 240 3800

· Working pressure: max. 6.3 bar
· Speed: 3500 rpm
· Air requirement: 532 l/min
· Weight: 1.4 kg

Set consisting of:
1 universal remover UE Pro
1 carrier wheel 11 mm, 1 carrier wheel 23 mm, 1 steel brush belt fine 11 mm,
1 steel brush belt fine 23 mm, 1 steel brush belt firm 11 mm,
1 steel brush belt firm 23 mm, 1 rubber eraser pad ochre

3 Carrier wheel 11 mm 240 3840

· For holding wire brush belts of 11 mm width

4 Carrier wheel 23 mm 240 3845

· For holding wire brush belts of 23 mm width and rubber eraser pads

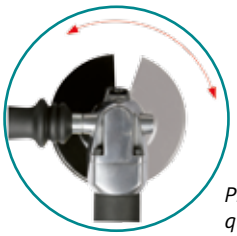
5 Special carrier wheel for coarse cleaning discs – single (for 1 disc) 240 3860

6 Special carrier wheel for coarse cleaning discs – double (for 2 discs) 240 3865

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

3 IWS 125 PRO



Protective hood-quick adjustment

Quick clamping nut

Vibration-damping side handle

3 Industrial angle grinder IWS 125 PRO **240 3480**

- 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

- Working pressure: max. 6.3 bar
- Sanding discs Ø: 125 mm
- Sanding disc thickness: 0.8 - 6 mm
- Speed: 10000 rpm
- Air requirement: 742 l/min
- Weight: 2 kg

3 Carrier wheel 11 mm

5 Special carrier wheel for rough cleaning discs - single

7 Wire brush belt fine 11 mm

9 Wire brush belt coarse 11 mm

11 Rubber eraser pad ochre

4 Carrier wheel 23 mm

6 Special carrier wheel for rough cleaning discs - single

8 Wire brush belt fine 23 mm

10 Wire brush belt coarse 23 mm

12 Rubber eraser disc grey

13 Coarse cleaning disc

Wire brush belts fine (straight bristles, Ø 0.5 mm spring steel)

- For rust removal and cleaning
- For paint removal

7 Wire brush belt fine 11 mm **240 3820**

8 Wire brush belt fine 23 mm **240 3825**

Wire brush belts coarse (straight bristles, Ø 0.7 mm spring steel)

- For coarse cleaning work
- For removing underbody protection and sealing compounds

9 Wire brush belt coarse 11 mm **240 3830**

10 Wire brush belt coarse 23 mm **240 3835**

11 Eraser pad ochre **240 3810**

- For removing films, stickers, adhesive tape, etc.

12 Eraser pad grey **240 3815**

- For removing water-soluble paints

13 Coarse cleaning disc **240 3850**

- For removing paints, adhesives and rust
- Two of these discs are needed for the special double carrier wheel

Die grinders

- Lightweight and compact design
- Ergonomically shaped handle, cold-insulation and vibration-damping
- Adjustable exhaust air outlet at rear to prevent dust raising
- With safety lever and infinitely adjustable speed control
- For grinding, deburring, milling and engraving

1 WST PRO

2 ST XL PRO

3 STS PRO

1 Angle die grinder WST PRO **240 3210**

- Chuck: 3mm, 6 mm
- Speed: 18000 rpm
- Working pressure: max. 6.3 bar
- Air consumption: 330 l/min.
- Weight: 0.5 kg

2 Rod grinder ST XL PRO **240 3250**

- Long form factor, 280 mm overall
- Chuck: 6 mm
- Speed: 22000 rpm
- Working pressure: max. 6.3 bar
- Air consumption: 330 l/min.
- Weight: 0.8 kg

3 Die grinder set STS Komposit PRO **240 3200**

- Includes 2 collet chucks (3 mm, 6 mm), 5 grindstones (3 mm, 6 mm), plug and clamping tool in plastic case
- Chuck: 3mm, 6 mm
- Speed: 22000 rpm
- Working pressure: max. 6.3 bar
- Air consumption: 330 l/min.
- Weight: 0.6 kg

Grinders

- Komposit model with ergonomic plastic handle, non-slip and vibration-damped
- Compact and handy for working in hard to reach places
- Universally deployable for grinding flat and curved surfaces

1 GS PRO

2 DS

1 Engraving needle GS PRO **240 3110**

- For marking metal, sheet metals, plastics, stone, marble and other materials with smooth and hard surface
- Air requirement: 60 l/min
- Working pressure: max. 6.3 bar
- Impact rate: 13000 rpm
- Weight: 0.19 kg
- Stroke 1.2 mm

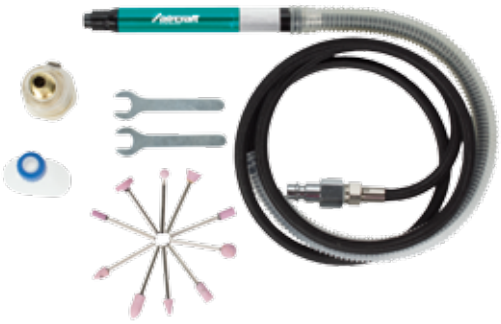
2 Delta grinder DS **240 3500**

- With extraction (4-hole backing pad)
- For central extraction system
- Speed: 11000 rpm
- Working stroke: 3.2 mm
- Air consumption: 480 l/min
- Grinding pad: 70 x 95 mm
- Working pressure: max. 6.3 bar
- Weight: 0.8 kg

Sandpaper grain size 60 for DS (PU 10)	**240 3504**
Sandpaper grain size 80 for DS (PU 10)	**240 3506**
Sandpaper grain size 100 for DS (PU 10)	**240 3508**
Sandpaper grain size 120 for DS (PU 10)	**240 3510**
Sandpaper grain size 180 for DS (PU 10)	**240 3512**

4 STS kit

6 Abrasive roller kit



8 PSS PRO

5 Set of grinding quills

7 Abrasive roller kit

4 Die grinder set STS **240 3190**

- Includes 2 collet chucks (3 mm, 6 mm), 5 grindstones (3 mm, 6 mm), plug, and clamping tool in a plastic case
- Air requirement: 270 l/min · Working pressure: max. 6.3 bar
- Speed: 24000 rpm · Weight: 0.6 kg

5 Set of grinding quills **240 3150**

- Comprising 5 grinding quills each with 3 mm and 6 mm shank

6 Abrasive roller and sleeve set **240 3152**

- **consisting of 1 roller and abrasive sleeve with Ø 9/12 mm (shank 3 mm) 18/25 mm (shank 6 mm)**

7 Abrasive sleeve set **240 3158**

- consisting of 1 abrasive sleeve each of Ø 9/12/18/25 mm

8 Precision die grinder set PSS PRO **240 3120**

- For grinding, polishing and milling in model, tool and jig making
- including: 10 grindstones, inline oiler and tools. In a case.
- Chuck for grinding quills with 3 mm shank
- Air requirement: 170 l/min · Working pressure: max. 6.3 bar
- Speed: 54000 rpm · Weight: 0.20 kg

Grinding quill set for PSS PRO **240 3121**

- Grinding quill set 10-part for precision grinder PSS PRO

3 ESS 150 Komposit PRO

4 SWS 180 PRO

3 Eccentric grinder ESS 150 Komposit PRO **240 3450**

- With extraction (6-hole backing pad)
- self-extracting incl. extraction hose and textile filter bag
- Speed: 1000 rpm · Working stroke: 5 mm
- Air consumption: 350 l/min · Grinding pad-Ø: 150 mm
- Pitch circle diameter-ø: 80 mm
- Working pressure: max. 6.3 bar · Weight: 0.9 kg

4 Orbital sander SWS 180 PRO **240 3520**

- With extraction (8-hole backing pad)
- Self-extracting
- Including extraction hose and textile filter bag
- Speed: 8500 rpm · Working stroke: 3.2 mm
- Air consumption: 360 l/min · Grinding pad-Ø: 100 x 180 mm
- Working pressure: max. 6.3 bar · Weight: 1.4 kg

Grinding belt grain size 80	**(PU 5)**	**240 3580**
Grinding belt grain size 100	**(PU 5)**	**240 3521**
Grinding belt grain size 120	**(PU 5)**	**240 3522**
Grinding belt grain size 180	**(PU 5)**	**240 3528**

1 BS PRO

2 BS 20 PRO

3 BDS PRO

1 Belt sander BS PRO **240 3700**
- 360° swivelling grinding arm for hard to reach areas
- Automatic clamping device for grinding belt
- Sandpaper: 10 x 330 mm · Speed: 16000 rpm
- Working pressure: max. 6.3 bar · Air consumption: 400 l · Weight: 0.77 kg

Grinding belt grain 80	**(PU 5 pcs)**	**240 3708**
Grinding belt grain 120	**(PU 5 pcs)**	**240 3712**
Grinding belt grain 180	**(PU 5 pcs)**	**240 3718**

2 Belt sander BS-20 PRO **240 3750**
- 360° swivelling grinding arm for hard to reach areas
- Automatic clamping device for grinding belt
- Sandpaper: 20 x 520 mm · Speed: 17000 rpm
- Working pressure: max. 6.3 bar · Air consumption: approx. 400 l · Weight: 0.84 kg

Grinding belt grain 80	**(PU 5 pcs)**	**240 3758**
Sanding belt 120 grain size	**(PU 5 pcs)**	**240 3762**

3 Bidirectional sander BDS PRO **240 3600**
- File-type linear sanding motion for coarse smoothing
- For large surface areas in woodworking and bodywork, etc.
- Sanding area: 65 x 390 mm · Stroke: 25 mm
- Speed: 3000 rpm · Working pressure: max. 6.3 bar
- Air consumption: 320 l · Weight: 2.54 kg

Compressed air tools for cutting and punching

- With a Komposit housing made of shock-proof plastic for a low weight
- Ergonomically shaped handle, cold-insulation and vibration-damping

1 BN PRO

2 BS Komposit PRO

cuts on both sides without bending the material

3 LAG PRO

1 Sheet nibbler BN PRO **240 4550**
- 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
- Working pressure: max. 6.3 bar
- Air consumption: 300 l · Stroke: 2600 rpm
- Cutting width: 5 mm · Weight: 1.1 kg

2 Tin shears BS Komposit PRO **240 4450**
- For up to 1.6 mm aluminium and 1.2 mm sheet metal
- Working pressure: max. 6.3 bar · Air consumption: 420 l
- Stroke: 2600 rpm · Cutting width: 5 mm · Weight: 1.3 kg

3 Punching and stripping device 2 in 1 LAG PRO **240 4800**
- 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

- Working pressure: max. 6.3 bar
- Air consumption: 0.8 l/stroke
- Width of cut: 5 mm · Weight: 1.5 kg

4 PS 7

5 Replacement plate pad

6 Wool pad

7 PSM 3 PRO

8 Foam polishing pad hard

9 Polishing pad soft

10 Sheepskin polishing disk

4 Grinding/Polishing machine New PS 7 240 3290

- Large angle grinder/polisher with particularly flat head
- Additional handle for right-handers and left-handers
- Hook plate size with Velcro pad Ø 178 mm · Weight: 2.2 kg
- Spindle size: M14x2 · Working pressure: 6.3 bar
- Idle speed: approx. 2800 rpm · Air consumption approx. 400 l/min

Replacement plate 180 mm with Velcro holder 240 3291

5	**Replacement plate pad**	**240 3292**
6	**Sheepskin polishing disk**	**240 3294**

7 Grinding/polishing machine Mini P New PRO 240 3280

- Handy, small grinder/polisher
- For repair and polishing work on small areas
- With continuously variable speed control
- Air ducting through the handle
- Plate with Velcro holder
- Scope of delivery: Velcro pad Ø: 76 mm, polishing pad hard 90 mm, polishing sponge soft 90 mm, sheepskin polishing disk 80 mm
- Spindle chuck: M6 · Idle speed: 2000 rpm
- Weight: 0.75 kg · Air requirement approx.: 340l/min
- Working pressure 6.3 bars

8	**Polishing pad hard 90mm**	**240 3281**
9	**Polishing pad soft 90mm**	**240 3282**
10	**Sheepskin polishing disk**	**240 3283**

1 SZ PRO

2 8 mm

3 18 mm

4 24 mm

5 35 mm

6 36 mm

7 90 mm

8

9

10

11

12

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14

15

16

1 Special cutter SZ PRO 240 4850

- 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

· Stroke: 20000 rpm · Air consumption: 280 l/min.
· Working pressure: max. 6.3 bar · Weight: 0.8 kg

· Scope of delivery in plastic case:

1 x **blade 37 mm** straight shouldered standard **240 4853**
1 x **blade 47 mm** straight shouldered **240 4851**
1 x **blade 48 mm** curved offset **240 4852**

2	**SZ PRO 8 mm** offset edge blade	**240 4865**
3	**SZ PRO 18 mm** U-shaped curved **blade**	**240 4861**
4	**SZ PRO 24 mm** U-shaped **blade**	**240 4868**
5	**SZ PRO 35 mm** straight, serrated **blade**	**240 4866**
6	**SZ PRO 36 mm** U-shaped curved **blade**	**240 4862**
7	**SZ PRO 90 mm** U-shaped curved **blade**	**240 4864**
8	**Saw blade** straight 40 x 33.5 mm 18TPI	**240 4874**
9	**Saw blade** tapered 40 x 65 mm 14TPI	**240 4876**
10	**Saw blade** circular 81 mm 20TPI	**240 4870**
11	**Saw blade** segmented 81 mm 20TPI	**240 4872**
12	**Assembly kit for sanding pad**	**240 4881**
13	Delta **sanding pad** with Velcro fastener	**240 4880**
14	Delta **sandpaper** with Velcro fastener K40	**240 4882**
15	Delta **sandpaper** with Velcro fastener K80	**240 4884**
16	Delta **sandpaper** with Velcro fastener K120	**240 4886**

Riveting tool

1 NGS

1 Riveting device set NGS **240 4700**

- 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
- Air consumption: 0.8 l/stroke · Working pressure: 6 bar · Weight: 1.7 kg

Universal saws

- For cutting, e.g., plastics, wood, aluminium, and Perspex
- Safe guiding due to stop clamp
- With safety lever to prevent unintended switching on
- Also with Komposit housing made of impact-proof plastic for a low weight
- Cold protection due to rubberised handle

2 USF mini - scope of delivery including 5-part file set

2 Mini universal saw/file USF mini New **240 4640**

- Handy all-purpose saw/file for use in cramped working conditions
- Ideal 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
- Very low noise; includes Silence outlet hose

Included in scope of delivery:
Round file, half-round file, triangular file, flat file, square file

- Stroke: approx. 7500 rpm
- Length of stroke: 10 mm
- Air consumption: 200 l/min
- Working pressure: 6.3 bar
- Cutting thickness: 1.2 mm in sheet
- Weight: 0.5 kg

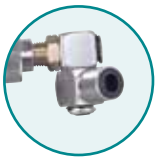
Compressed air panel-beating hammer

1 DBH

1 Compressed air panel-beating hammer DBH **240 2700** New

- Compressed air panel-beating hammer for body dent repairs
- Ideal for car body repairs
- Holds on body through negative pressure after connecting to compressed air system
- Dent repairs through slight actuation of the hammer
- Scope of delivery: three interchangeable suction heads Ø 60, 120 and 150 mm, feed hose with ball valve

- Chuck: 1/4" square head
- Air consumption approx.: 250 l/min
- Striking weight: 1.36 kg



with articulated joint

3 USS PRO

4 FS 5

5 US Komposit PRO

3 Universal saw/file USF PRO New **240 4630**

- 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

- Stroke: 5000 rpm
- Length of stroke: 10 mm
- Air consumption: 200 l/min
- Working pressure: 6.3 bar
- Cutting thickness: 1.6 mm in sheet
- Weight: 0.75 kg

4 File set 5-piece FS 5 New **240 4650**

- To match USF PRO and USF mini
- Files included in scope of delivery: Round, half-round, triangular, flat, square

5 Universal saw US composite PRO 240 4660

- For up to 3.2 mm aluminium and 1.6 mm sheet metal

- Stroke: 10000 rpm
- Length of stroke: 10 mm
- Air requirement: 230 l/min
- working pressure: max. 6.3 bars
- Weight: 0.5 kg

Bi-metal saw blades for USF PRO and US Komposit PRO models

Bi-metal saw blades KS Zt 18 (PU 5)
Bi-metal saw blades KS Zt 24 (PU 5)
Bi-metal saw blades KS Zt 34 (PU 5)

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

1 NE PRO

2 NP PRO

3 MHV PRO with needle scaler attachment

3 Needle scaler attachment

1 Needle scaler NE PRO 240 2620

- Small and compact, bar-shaped with 12 individual 3 mm needles
- Robust full metal housing
- Quick-action needle replacement without tools by simply opening the guide nozzle

- Stroke count: 3800 rpm
- Air consumption: 170 l/min
- Needle length: 125mm, Ø 3mm
- Working pressure: max. 6.3 bar
- Weight: 1.2 kg

Replacement needles NE Pro 240 2625

2 Needle gun NP PRO 240 2640

- Ergonomic handling due to gun shape
- With 19 individual 3 mm needles
- Insulated handle and exhaust air ducting to front

- Stroke count: 3200 rpm
- Air consumption: 170 l/min
- Needle length: 180mm, Ø 3mm
- Working pressure: max. 6.3 bar
- Weight: 2.6 kg

3 Needle scaler attachment 240 2600

- 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

Replacement needles NP Pro/needle scaler attachment 240 2605

Chisel hammer sets

- For general purpose use in tile removal, masonry work, for building site and bodywork applications
- Ergonomically shaped handle, cold-insulation and vibration-damping

1 MHU

2 MHB PRO

1 Chisel hammer set universal MHU **240 2200**

- For smaller masonry 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

- Chuck: 10 mm
- Air consumption: 280 l/min
- Working pressure:
- Stroke count: 3000 rpm
- Weight: 1.6 kg
- max. 6.3 bar

2 Chisel hammer set building MHB PRO **240 2300**

- 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

- Chuck: 10 mm
- Air consumption: 240 l/min
- Working pressure:
- Stroke count: 2200 rpm
- Weight: 2.0 kg
- max. 6.3 bar

10 Cross recessed holding cover

11 Needle scaler attachment for MHU, MHB PRO and MHV PRO

Spare chisel suitable for chisel hammers MHU / MHB / MHV

1	**Sheet cutting chisel 180 mm**	**240 2219**
2	**Flat chisel 20/180 mm**	**240 2227**
3	**Flat chisel 30/250 mm**	**240 2382**
4	**Punch chisel 175 mm**	**240 2239**
5	**Pointed chisel 250 mm**	**240 2381**
6	**Wide-flat chisel 50/180 mm**	**240 2243**
7	**Wide-flat chisel 40/250 mm**	**240 2383**
8	**Hollow chisel 24/240 mm**	**240 2384**
9	**Clamping spring**	**240 2101**

10 Cross recessed holding cover **240 2103**

- Suitable for MHU, MHB
- For a rapid chisel change
- Avoids spring fracture

11 Needle scaler attachment **240 2600**

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

3 MHV PRO

4 MHA PRO

3 Chisel hammer MHV PRO 240 2400

- Vibration-damped and well balanced
- Backlash reduction mechanism is easy on the user's 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 ease of use and safe guiding, cold-insulating and slip-proof
- Chisel hammer, flat chisel, sheet cutting chisel straight, sheet cutting chisel offset, sheet cutting chisel, quick-action chuck, pluggable nipple ¼" OT, retaining spring

- Chuck: 10 mm
- Stroke count: 2500 rpm
- Air consumption: 280 l/min
- Weight: 2.4 kg
- Working pressure: max. 6.3 bar

4 Chisel hammer demolition MHA PRO 240 2500

- A robust professional demolition hammer for chisels with a shank of up to 12.7 mm
- Best suited for wall openings, renovation work
- Includes flat chisel, pointed chisel, flat-wide chisel, quick-action clamping spring
- Chuck: 12.7 mm
- Air consumption: 380 l/min
- Working pressure: 6 bar · Stroke count: 3600 l/min · Weight: 2.8 kg

Spare chisel suitable for MHA hammer

5	**Pointed chisel MHA 220 mm**	**240 2522**
6	**Flat chisel MHA 220 mm**	**240 2523**
7	**Wide chisel MHA 220 mm**	**240 2524**
8	**Chisel retaining spring MHA 220 mm**	**240 2520**

12 MHP PRO

18 19 20 21

12 Chisel hammer for demolition work MHP PRO 240 2550

- A robust professional demolition hammer for chisels with a shank of up to 14.7 mm
- Best suited for wall openings, renovation work
- Chuck: 14.7 mm
- Air consumption: 600 l/min
- Working pressure: 6.3 bar
- Stroke count: 2400 l/min
- Weight: 6.9 kg

13	**Pointed chisel 250 mm**	**240 2552**
14	**Flat chisel 250 mm**	**240 2553**
15	**Wide-flat chisel 250 mm**	**240 2554**
16	**Pointed chisel 400 mm**	**240 2556**
17	**Flat chisel 400 mm**	**240 2557**

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

18	**for compressed air tools, 250 ml**	**250 0010**
19	**for compressed air tools, 1 l**	**250 0011**

Special oil for piston compressors

- Protects against premature wear and corrosion
- Mixable with other oils of same grade
- Improved temperature/viscosity behaviour

20	**for piston-type compressors, 1 l**	**250 0012**
21	**for piston-type compressors, 5 l**	**250 0015**
	for rotary compressors, 1 l	**250 0017**

Staplers/multi-purpose tools

- Stapler 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

1 KG 16 PRO

2 KG 32 PRO

3 NKG 40/50 PRO

4 KG 40 PRO

1 Stapler KG 16 PRO **240 5401**

- For staple sizes between 6 mm and 16 mm
- Air consumption: 0.5 l/shot
- Working pressure: 6 bar
- Weight: 0.9 kg
- matching staples: Type 80

2 Stapler KG 32 PRO **240 5301**

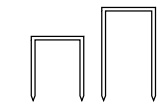
- Professional stapler
- For staple sizes between 13 mm and 32 mm
- Adjustable exhaust air outlet
- Air consumption approx: 0.5 l/shot
- Working pressure: 6 bar
- Weight: 1.3 kg
- matching staples: Type 90 L, MA

3 Nail stapler NKG 40/50 PRO **240 5501**

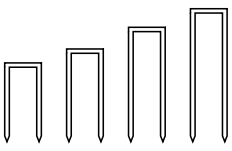
- Multi-purpose device with adjustable exhaust air outlet
- For staple sizes between 16 mm and 40 mm
- For nail sizes between 20 mm and 50 mm
- Air consumption approx: 0.6 l/shot
- Working pressure: 6 bar
- Matching staples: Type 90
- matching nails: Type F
- Weight: 1.6 kg

4 Stapler KG 40 PRO **240 5100**

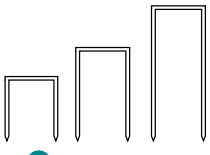
. Bottom loader magazine for comfortable filling
. Cold-insulated and slip-proof thanks to rubberised handle
. Adjustable depth stop
- For staple sizes between 20 mm and 40 mm
. Contact protection · Adjustable exhaust air outlet
- Air consumption approx: 0.5 l/shot
- Working pressure: 6 bar
- Weight: 1.3 kg
- Matching staples: Type 90



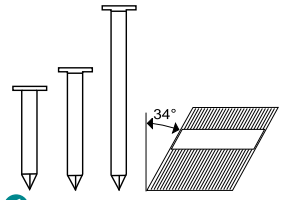
3 Staple type 80



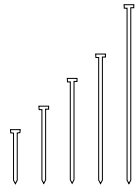
4 Staple type 90



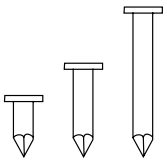
5 Staple type N



6 Nails type RN 34°



7 Brads type F



8 Coil nails

3 Staples type 80 (back width: 12.8 mm, wire thickness: 0.7 x 0.9 mm)	
Clamps 6 mm (PU 5000 pcs)	240 5406
Staples 10 mm (PU 5000 pcs)	240 5410
Staples 16 mm (PU 5000 pcs)	240 5416
4 Staples type 90 (back width: 5.8 mm, wire thickness: 1.05 x 1.27 mm)	
Staples 19 mm (PU 5000 pcs)	240 5319
Staples 25 mm (PU 5000 pcs)	240 5325
Staples 32 mm (PU 5000 pcs)	240 5332
Staples 38 mm (PU 5000 pcs)	240 5338
5 Staples type N (back width: 10.8 mm, wire thickness: 1.40 x 1.60 mm)	
Staples 32 mm (PU 10000 pcs)	240 5632
Staples 38 mm (PU 10000 pcs)	240 5638
Staples 50 mm (PU 10000 pcs)	240 5650
6 Strip nails RN type 34°	
2.87 x 60 mm (PU 2500 pcs.)	240 5960
3.10 x 70 mm (PU 2500 pcs)	240 5970
3.10 x 90 mm (PU 2500 pcs)	240 5990

7 Brads type F	
Nails 15 mm (PU 5000 pcs.)	240 5515
Nails 25 mm (PU 5000 pcs)	240 5525
Nails 32 mm (PU 5000 pcs.)	240 5532
Nails 40 mm (PU 5000 pcs.)	240 5540
Nails 50 mm (PU 5000 pcs.)	240 5550
8 Coil nails wired Ø 3.05 mm 120 pcs/coil	
Coil nails 3.05 x 22 mm (PU 7200 pcs)	240 5822
Coil nails 3.05 x 32 mm (PU 7200 pcs)	240 5832
Coil nails 3.05 x 45 mm (PU 7200 pcs)	240 5845

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

5 KG 50 PRO

6 NG 90 PRO

7 DPN 45 PRO

5 Stapler KG 50 PRO **240 5601**

- For staples 19-50 mm type N (width of back 10.8 mm)
- Air consumption approx: 1.8 l/shot
- Working pressure: 6 bar
- Weight: 3.1 kg

6 Nailer NG PRO 90 **240 5901**

- 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
- Air consumption approx: 4.8 l/shot
- Working pressure: 6 bar
- Weight: 4.5 kg

7 Roofing felt nailer DPN 45 PRO **240 5801**

- For wire-bound coil nails 22-45 mm, 3.05 mm diameter
- For fastening roofing sheets, asphalt shingles, insulating material, etc.
- Incl. drive-in depth control
- Air consumption: 2.2 l/shot
- Working pressure: 6 bar
- Weight: 2.9 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

Quality Made in Germany

2 A-EA 1

A-EA 2 front A-EA 2 rear

3 A-EA 2

2 Power module A-EA 1 **210 0001**

- with four safety sockets with cover IP44
- Including compressed air supply line 3 m (9 x 3 mm)
- Safety sockets: 4 x with cover IP44
- Compressed air supply line: 1 x 3 m
- Compressed air hose: 9 x 3 mm
- Weight: 2 kg
- Dimensions: 240 x 190 x 90 mm

3 Power module A-EA 2 **210 0002**

With three safety sockets and IP44 cover on one side and two CEE sockets 400 V 16A 5p on other side
- Including compressed air supply line 3 m (9 x 3 mm)
- Safety sockets: Side 1: 2 x CEE sockets 400 V 16A 5p+ Side 2: 3 x power sockets IP44
- Compressed air supply line: 1 x 3 m
- Compressed air hose: 9 x 3 mm
- Weight: 2.4 kg
- Dimensions: 240 x 190 x 90 mm

FLEXAIR hose

- Extremely flexible compressed air hose also for low temperatures
- Especially resistant against oil-contaminated compressed air

2 FLEXAIR hose 50 m

1 FLEXAIR hose 10 m with coupling and barb

Extremely flexible woven fabric compressed air hose - even at low temperatures

Quality compressed air hose made of polyurethane

- Highly flexible and abrasion-proof
- Temperature range from -40° to +75°
- Max. working pressure 15 bar
- With fabric support - fabric reinforced
- For professional use

3 PU hose 10 m with coupling and barb

4 PU hose 50 m

1	**FLEXAIR hose with coupling and barb**		(max. operating pressure: 20 bar)
	6 mm ID/OD 10.7 mm - 10 m length		210 5410
	6 mm ID/OD 10.7 mm - 20 m length	New	210 5420
	9 mm ID/OD 14.5 mm - 10 m length		210 5510
	9 mm ID/OD 14.5 mm - 20 m length	New	210 5520

2	**FLEXAIR hose**		
	6 mm ID/OD 10.7 mm - 50 m length max. operating pressure: 20 bar		210 5450
	9 mm ID/OD 14.5 mm - 10 m length max. operating pressure: 20 bar	New	210 5511
	9 mm ID/OD 14.5 mm - 50 m length max. operating pressure: 20 bar		210 5550
	13 mm ID/OD 19 mm - 50 m length max. operating pressure: 13 bar		210 5750

3	**Quality compressed air hose PRO Polyurethane (fabric reinforced)**		
4	10 m 8.0/12.0 mm ID/OD with coupling and barb		210 6910
4	50 m 8.0/12.0 mm ID/OD on drum		210 6950
4	50 m 10.0/15.0 mm ID/OD on drum	New	210 6960
	50 m 13.0/19.0 mm ID/OD on drum		210 6970

Spiral hoses

·With quick-release coupling and barb
· Simple and professional design

7

with standard quick-release coupling and barb

8 Quality spiral hose PRO 6 m, 5/8 mm ID/OD with particularly narrow winding

9 Quality spiral hose 6m PRO 8/12mm

With swivel joint - 360 ° rotatable

Highly flexible with swivel joint and kink protection including quality coupling and barb

Spiral hose made of polyurethane

· With standard quick coupling and barb

5 m 6 mm ID, 10 mm OD, max. operating pressure 10 bar	211 5605
7.5 m 6 mm ID, 10 mm OD, max. operating pressure 10 bar	211 5608
10 m 8 mm ID, 12 mm OD, max. operating pressure 15 bar	211 5610

Quality spiral hose PRO made of polyurethane

- Highly flexible and abrasion resistant Connecting thread 1/4"
- Avoids permanent reduction of cross-section after kinking
- Small winding diameter · Wide temperature range
- The straight ends allow for convenient plugging and unplugging, and torsi-on-free work
- No hose torsion thanks to swivel joint ·With kink protection

6 m, 5 / 8 mm ID/OD max. operating pressure 12 bar	210 5850
6 m, 6.5 / 10 mm ID/OD, max. operating pressure 9 bar	210 5852
6 m, 8 / 12 mm ID/OD, max. operating pressure 10 bar	210 5854
10 m, 8 / 12 mm ID/OD, max. operating pressure 10 bar	210 5856

Antistatic compressed air hose

- Guarantees electrostatic contact (106 Ohm/meter) when attaching the hose to couplings
- Flexible and wear-free

5 Antistatic compressed air hose

6 Ear clamps

New

7 Hose connection studs

5 Antistatic compressed air hose

- Ø 9 x 16 mm
- Working pressure at 20 ° C: 16 bars
- Burst pressure at 20 ° C: 60 bars

10 m with coupling and barb	210 0110
50 m drum	210 0101

6 Ear clamps PRO (PU 100 pcs.)

for 12.3 mm hose, range: 9.8-12.3 mm	210 5006
for 13.3 mm hose, range: 10.8-13.3 mm	210 5008
for 15.7 mm hose, range: 13.2-15.7 mm	210 5009
for 17.8 mm hose, range: 15.6-17.8 mm	210 5011
for 19.8 mm hose, range: 16.6-19.8 mm	210 5012

Ear clamps PRO (PU 4 pcs.) New

for 12.3 mm hose, range: 9.8-12.3 mm	210 5006SB
for 13.3 mm hose, range: 10.8-13.3 mm	210 5008SB
for 15.7 mm hose, range: 13.2-15.7 mm	210 5009SB

7 8 mm hose support couplings, Y-shaped 225 36613 New

Spring balancers

New

1 FZ

New

2 Spiral hose for FZ

Fig. on the right shows the use of the spiral hose. ***Spring balancer not included in scope of delivery***

Balancers FZ New

- 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
- Rope length: 1.6 m
- Dimensions: 113 x 113 x 60 mm
- Weight: 0.63 kg

FZ 0.4 - 1.0 kg, range 0.4 - 1 kg	210 6001
FC 1.0 - 2.0 kg, range 1-2 kg	210 6002
FZ 2.0 - 3.0 kg, range 2 - 3 kg	210 6003

Spiral hose for balancers New 210 6050

- 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
- Incl. all required parts for mounting on the balancer
- PA12 spiral hose 8 mm ID x 10 mm OD
- Useful length with spring balancer 1.6 m
- Incl. all connecting parts and connecting hose for the tool and compressed air network

Hose rewinder

1 SAR 8/10

with standard quick-release coupling and barb

2 SAR 8/15 PRO

Highly flexible with kink protection, including quality coupling and barb

1 Hose rewinder SAR E

- Including swivelling bracket for wall or ceiling mounting
- Compressed air hose made of polyurethane with woven fabric support
- The hose can be easily arrested or automatically rolled up, simply by pulling
- With coupling and barb
- Hose: (Inner-Ø): 8 mm (Outer-Ø): 12 mm
- Connection: 1/4“ OT · max. working pressure: 15 bars

SAR 8/10 E	210 5804
· Hose length: 10 m · Weight: 3.6 kg	
SAR 8/15 E	210 5806
· Hose length: 15 m · Weight: 7.0 kg	

2 Hose rewinder SAR PRO New

- Premium compressed air hose made of polyurethane with woven fabric support
- Highly flexible and abrasion-resistant compressed air hose
- 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
- With premium quick-action coupling and barb
- Length of connecting hose: 2 m · Max. operating pressure: 15 bar

SAR 8/15 PRO	210 5813
· 8 / 12 mm ID/OD · Length: 15 m · Weight: 6 kg	
SAR 10/15 PRO	210 5814
· 10 / 15.5 mm ID/OD · Length: 15 m · Weight: 7 kg	
SAR 13/12 PRO	210 5817
· 13 / 18 mm ID/OD · Length: 15 m · Weight: 7.5 kg	

Hose reels

1 DST 8/30

Highly flexible with kink protection, including quality coupling and barb

1 Compressed air hose drum DST 8/30 210 5830

- 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

· Connection:	1/4“	· Hose (inside Ø):	8 mm
· Hose length:	30 m	· Hose (outside Ø):	12 mm
· Max. working pressure:	15 bar	· Weight:	8 kg

Cable rewinders KAR Series

- 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 GS approved

2 KAR 3x1.5 10 metres

2 KAR 3x1.5 10 metres 216 1211

- 230 volt model with safety plug and socket
- All suspension devices are included in the delivery volume
- Cable dimensions 3x 1.5 mm^2
- Cable length: 10 metres · Weight: 3.6 kg

KAR 3x1.5 15 meters 216 1213

- 230 volt model with safety plug and socket
- All suspension devices are included in the delivery volume
- Cable dimensions 3x 1.5 mm^2
- Cable length: 15 metres · Weight: 7 kg

3 SAR 8/15 TOP

woven fabric armoured, oil-resistant, with kink protection, including quality coupling and barb

4 SAR 10/15 M

Highly flexible with kink protection, including quality coupling and barb

3 Hose rewinder 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
- Max. working pressure: 15 bar
- Hose length: 15 m
- Length of connecting hose: 1 m

SAR 8/15 TOP **210 5815**

- Hose: (Inner-Ø): 8 mm (Outer-Ø): 12 mm
- Connections 1/4" · Rectus coupling · Weight: 6 kg

SAR 10/15 TOP **210 5818**

- Hose: (Inner-Ø): 10 mm (Outer-Ø): 14 mm
- Connections 3/8" · Rectus coupling · Weight: 6.5 kg

4 Wall-mounted hose rewinder SAR 10/15 M 210 5816

- Compressed air hose made of polyurethane with woven fabric support
- 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

· Connection:	1/4“	· Hose (inside Ø):	9.5 mm
· Hose length:	15 m	· Hose (outside Ø):	14 mm
· Max. working pressure: 15 bar		· Weight:	12.25 kg

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

3 KAR PRO 3x1.5 18 metres

4 KAR PRO 5x1.5 20 metres

3 KAR PRO 3x1.5 18 metres 216 2318

- 230 volt model with safety plug and socket
- Rated load cable rolled/unrolled: 800 W / 2000 W
- Cable dimensions 3x 1.5 mm²
- Cable length: 18 metres · Weight: 4.8 kg
- Dimension: 360 x 330 x 200 mm

KAR PRO 3x1.5 25 metres 216 2325

- 230 volt model with safety plug and socket
- Rated load cable rolled/unrolled: 800 W / 2000 W
- Cable dimensions 3x 1.5 mm²
- Cable length: 25 metres · Weight: 8.3 kg
- Dimension: 420 x 390 x 200 mm

4 KAR PRO 5x1.5 10 metres 216 4010

- 400 volt model with 5 x 16 A Euronorm plug and socket
- Rated load cable rolled/unrolled: 1000 W / 3000 W
- Cable dimensions 5x 1.5 mm²
- Cable length: 10 metres · Weight: 5.3 kg
- Dimension: 360 x 330 x 260 mm

KAR PRO 5x1.5 20 metres 216 4020

- 400 volt model with 5 x 16 A Euronorm plug and socket
- Rated load cable rolled/unrolled: 1000 W / 3000 W
- Cable dimensions 5x 1.5 mm²
- Cable length: 20 metres · Weight: 9.8 kg
- Dimension: 420 x 390 x 2030 mm

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