

ASC-D 7.5-10 VS (PM)

Energy-saving screw compressor with permanent magnet motor

The ASC-D series of screw compressors reliably delivers compressed air while consuming minimal energy. They also score points for being easy to use and maintain, and for their environmentally friendly technology.

Modern electric motor

- ▶ Highly efficient energy-saving drive motors in efficiency class IE4
- ▶ Load-dependent motor speed control

Service-friendly design

- ▶ Easily removable housing parts ensure easy access to all maintenance parts
- ▶ Clearly arranged components minimise service times

Sophisticated design

- ▶ Direct drive ensures a compact design and reliable operation
- ▶ Optimum cooling for more efficient compression
- ▶ Low noise pollution thanks to sound insulation and large fan wheel for smooth and stable operation

Operating the compressor

- ▶ Easy handling of all functions via the touch panel

Equipment

ASC-D 7.5-10-500 VS (PM)

ASC-D 11-10-500 VS (PM)

- ▶ 500 litre tank volume
- ▶ Refrigeration dryer: Removes moisture from the compressed air
- ▶ Built-in particle and oil filters
- ▶ Automatic time-controlled condensate drain

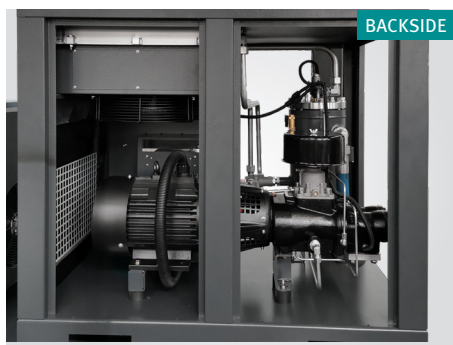
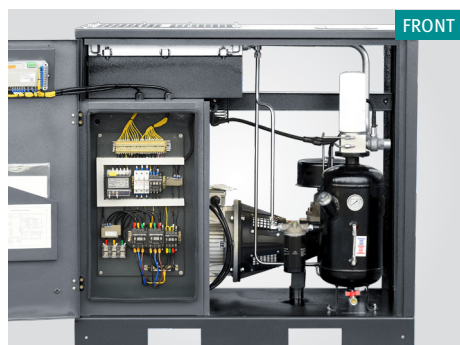


ASC-D 7.5-10 VS (PM)



ASC-D 11-10-500 VS (PM)

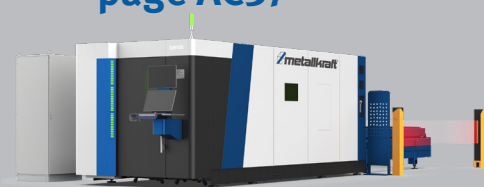
Model		ASC-D 7.5-10 VS (PM)	ASC-D 7.5-10-500 VS (PM)	ASC-D 11-10 VS (PM)	ASC-D 11-10-500 VS (PM)	ASC-D 15-10 VS (PM)	ASC-D 15-10 500 VS (PM)
Art no.		2079410	2079500	2079415	2079505	2079420	2079510
Effective delivery quantity	l/min	1000	1000	1600	1600	1800	1800
Maximum pressure	bar	10	10	10	10	10	10
Tank capacity	l	-	500	-	500	-	500
Sound pressure level Lp*	dB(A)	62	62	65	65	65	65
Motor power ~50 Hz	kW	7.5 / 400	7.5 / 400	11 / 400	11 / 400	15 / 400	15 / 400
Dimensions (L x W x H) approx.	mm	950 x 660 x 1010	1900 x 711 x 1730	1160 x 780 x 1100	1902 x 798 x 1820	1160 x 780 x 1100	1902 x 798 x 1820
Weight approx.	kg	230	470	300	570	300	570



Service-friendly design

- › Easily removable housing parts ensure easy access to all maintenance points
- › Clearly arranged components minimise service times and increase operating efficiency

✓ Systems for-
LASER CUTTING
page AC37



ASC-D 30-10 VS (PM)

Model		ASC-D 22-10 VS (PM)	ASC-D 30-10 VS (PM)	ASC-D 37-10 VS (PM)
Art no.		2079425	2079430	2079435
Effective delivery quantity	l/min	3200	4500	5400
Maximum pressure	bar	10	10	10
Tank capacity	l	-	-	-
Sound pressure level Lp*	dB(A)	68	68	70
Motor power ~50 Hz	kW	22 / 400	30 / 400	37 / 400
Dimensions (L x W x H) approx.	mm	1350 x 920 x 1150	1500 x 1025 x 1230	1500 x 1025 x 1230
Weight approx.	kg	430	600	600

ACS 3.5-10 - Screw compressor in miniature design

ACS 3.5-10

- ▶ Controls direct start with charge / idle cycle
- ▶ Permanent monitoring of the direction of rotation - important for changing installation locations
- ▶ Anti-condensation system: Electronic oil temperature control reduces condensation and keeps the oil within the optimum operating temperature range
- ▶ Display of the service interval
- ▶ Automatic on/off mode
- ▶ High-quality CONDOR pressure switch
- ▶ Operating hours counter
- ▶ Programmable standby times
- ▶ Phase inverter on the plug
- ▶ Oil heat exchanger
- ▶ Easily accessible oil drain plug for quick and easy draining of the oil
- ▶ Oil separator cartridge
- ▶ Direct coupling
- ▶ Suitable for continuous operation
- ▶ Protected against splash water in accordance with IP 54
- ▶ With maintenance block and safety couplings
- ▶ Freewheel valve releases excess air during continuous operation

MADE IN ITALY



ACS 3.5-10



Accessories	Art. no.
5 litre "High Performance" oil Oil ISO 46"	2500019

ACS MOBILE

- ▶ 100 l compressed air tank hot-dip galvanised inside and out in accordance with AD 2000
- ▶ 15-year warranty on the tank against rusting through
- ▶ Flexible armoured conduit with heat protection prevents vibration breakages
- ▶ Steering trolley with parking brakes and large, puncture-proof wheels for comfortable transport without lifting
- ▶ Two compressed air tapping points with one-hand safety couplings
- ▶ Filter pressure regulator
- ▶ Mist lubricator



ACS 3.5-10-100



ACS 3.5-10-90 V

ACS STATIONARY

- ▶ 200 l compressed air tank hot-dip galvanised inside and out in accordance with AD 2000
- ▶ 15-year warranty on the tank against rusting through
- ▶ Flexible armoured conduit with heat protection prevents vibration breakages
- ▶ Mounted 3/8" ball valve for easy drainage



Very quiet

Refrigeration dryer with integrated automatic condensate drain

- Pressure dew point 5 °C
- Compressed air inlet temperature 35 °C
- Cooling air temperature 25 °C
- Cooling air temperature 25 °C



ACS 3.5-10-200 K

Technical data		ACS 3.5-10	ACS 3.5-10-90 V	ACS 3.5-10-100	ACS 3.5-10-200	ACS 3.5-10-200 K
Art no.		2066200.2	2066125.2	2066120.2	2066220.2	2066221.2
Effective delivery quantity	l/min	380	380	380	380	380
Maximum pressure	bar	10	10	10	10	10
Tank capacity	l	—	100	100	200	200
Speed	min ⁻¹	2880	2880	2880	2880	2880
Sound pressure level Lp	dB(A)	65	65	65	65	65
Air outlet		—	1/2" ball valve	1/2" ball valve	1/2" ball valve	3/4" ball valve
Motor power ~50 Hz	kW/V	3.5 / 400	3.5 / 400	3.5 / 400	3.5 / 400	3.5 / 400
Dimensions (L x W x H) approx.	mm	515 x 425 x 411	650 x 620 x 1228	1400 x 450 x 1000	1180 x 680 x 1090	1180 x 680 x 1090
Weight approx.	kg	44	98	97	122	146

ACS DUO – Universally applicable compressed air station with 2x100 l tanks, optionally with refrigeration dryer and pre-filter



High-quality equipment

- Flexible armoured conduit with heat protection prevents vibration breakages
- With all safety features
- Compressed air tank hot-dip galvanised inside and out, 15-year warranty* on the tank against rusting through
- Including practical drip trays

Flexible use - despite stationary design

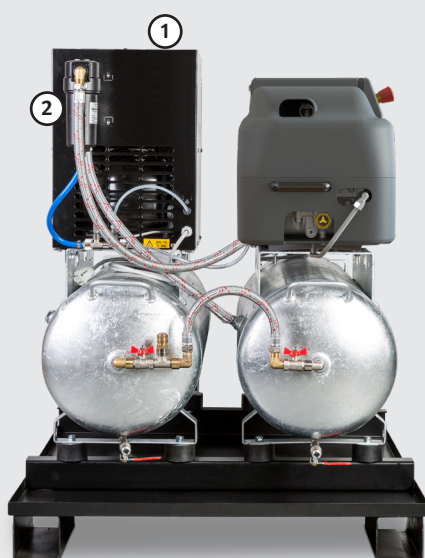
- Easy to move using a pallet truck
- Flexible choice of location without conversion

Increased flexibility

- By switching on the second compressed air tank, the tank volume is doubled, allowing a higher air supply to be built up
- Increased air requirements can thus be covered at short notice.

- The second compressed air tank can be used, for example from the compressed air supply for chiselling or sandblasting work. This halves the tank volume and the pressure is built up more quickly

DUO K



DUO K additionally equipped with:

1. Refrigeration dryer with integrated automatic condensate drain: Pressure dew point 5 °C, compressed air inlet temperature 35 °C, cooling air temperature 25 °C
2. Fine filter as a pre-filter upstream of the refrigeration dryer for separating condensate and solid contaminants with particles up to 1 µm (compressed air quality to ISO 8573-1)

DUO KK



DUO KK additionally equipped with:

1. Condensate conditioner for oil-water separation
2. Automatic condensate drain installed at the condensate drain of the compressed air tank, condensate drainage without unnecessary pressure loss

Technical data		ACS DUO 3.5-10 2 x 100 K	ACS DUO 3.5-10 2 x 100 KK
Art no.		2066421.2	2066422.2
Effective delivery quantity	l/min	380	
Maximum pressure	bar	10	
Tank capacity	l	2 x 100	
Protection class		IP 54	
Air outlet		A one-hand quick coupling	
Speed	min ⁻¹	2880	
Sound pressure level Lp	dB(A)	65	
Motor power ~50 Hz	kW/V	3.5 / 400	
Dimensions (L x W x H) approx.	mm	1200 x 900 x 1120	1200 x 900 x 1250
Weight approx.	kg	200	201

Equipment	DUO K	DUO KK
Start-up relief	✓	✓
Vibration elements	✓	✓
Safety stand pallet	✓	✓
Refrigeration dryer	✓	✓
fine filter	✓	✓
Condensate conditioner for oil-water separation		✓
Automatic condensate drain		✓

Accessories	Art. no.
5 litre "High Performance" oil ISO 46"	2500019

A-CUBE –

Direct-coupled screw compressors for continuous operation.

Compact design - also available with integrated refrigeration dryer



- ▶ The entire power of the electric motor is transferred to the compressor with maximum efficiency and operational reliability
- ▶ Designed for continuous operation
- ▶ The machine was not only designed with power consumption in mind, but also maintenance and operating costs as well as ease of installation
- ▶ The A-CUBE K series with integrated refrigeration dryer
- ▶ The entire machine is quiet with a noise level between 63 and 68 dB(A)

- ▶ An axial fan ensures optimum cooling air flow through an oversized heat exchanger. Fan operation is thermostatically controlled by an ETMII controller that monitors the operating temperature of the compressor. All air and oil lines are made of heat-resistant rubber
- ▶ With direction of rotation control as standard
- ▶ With star-delta switch as standard from 5.5 kW
- ▶ The pressure transducer enables the working pressure to be changed directly from the electronic control unit without the need for mechanical intervention.

- The current pressure and temperature are always displayed on the controller
- ▶ All internal mechanical and service parts are easily accessible for quick and simple routine maintenance
- ▶ With electronic control, direct coupling and oil separator cartridge



EasyTRONIC Micro II electronic control unit



A-CUBE 4.0-10



A-CUBE 5.5-10-270 Z K

SERIES
A-CUBE
as a single unit
& refrigeration dryer

SERIES
A-CUBE
as a single unit

SERIES
A-CUBE
On galvanised container
container (AD 2000)

SERIES
A-CUBE K
On galvanised container
container (AD 2000)
with refrigeration dryer

Technical data	Art no.	Maximum pressure	Effective delivery quantity	Motor output power ~50 Hz	Sound pressure level Lp	Dimensions (L x W x H) approx.	Connection	Tank capacity	Weight approx.
A-CUBE 7.5-10 K	2098605	10 bar	1,050 l/min	7.5 kW / 400V	67 dB(A)	650 x 580 x 800 mm	1/2"	–	113 kg
A-CUBE 4.0-10	2098400	10 bar	460 l/min	4 kW / 400V	63 dB(A)	650 x 580 x 800 mm	1/2"	–	108 kg
A-CUBE 5.5-10	2098500	10 bar	705 l/min	5.5 kW / 400V	68 dB(A)	650 x 580 x 800 mm	1/2"	–	101 kg
A-CUBE 7.5-10	2098600	10 bar	1,050 l/min	7.5 kW / 400V	67 dB(A)	650 x 580 x 800 mm	1/2"	–	115 kg
A-CUBE 4.0-10-270 Z	2098412	10 bar	460 l/min	4 kW / 400V	63 dB(A)	1200 x 600 x 1500 mm	1/2"	270 l	185 kg
A-CUBE 5.5-10-270 Z	2098512	10 bar	705 l/min	5.5 kW / 400V	68 dB(A)	1200 x 600 x 1500 mm	1/2"	270 l	185 kg
A-CUBE 7.5-10-270 Z	2098612	10 bar	1,050 l/min	7.5 kW / 400V	67 dB(A)	1200 x 600 x 1500 mm	1/2"	270 l	197 kg
A-CUBE 5.5-10-270 Z K	2098517	10 bar	705 l/min	5.5 kW / 400V	68 dB(A)	1200 x 600 x 1500 mm	1/2"	270 l	206 kg
A-CUBE 7.5-10-270 Z K	2098617	10 bar	1,050 l/min	7.5 kW / 400V	67 dB(A)	1200 x 600 x 1500 mm	1/2"	270 l	211 kg

A-MICRO SE –

Screw compressors with ribbed belt drive in sound-insulated housing. For continuous operation even with low air requirements



Very quiet



Warranty

- ▶ Space-saving single compressor with ribbed belt drive
- ▶ Start-stop operation via pressure switch, thus saving energy compared to idle control
- ▶ Particularly suitable for companies that have a continuous air requirement but need a compact device with a reduced noise level and low operating costs

- ▶ Effective cooling guarantees operational safety and good air quality
- ▶ With thermal motor protection, oil temperature monitoring (max. 110°C) and operating hours counter as standard, ensuring high operational reliability
- ▶ **15-year warranty on the tank against rusting through***

Increased flexibility thanks to "DUO" container

- ▶ By switching on the second compressed air tank, the tank volume is doubled, allowing a higher air supply to be built up
- ▶ Increased air requirements can thus be covered at short notice



A-MICRO



A-MICRO SE 4.0-10-200 K



A-MICRO

- ▶ Easy to service thanks to optimum accessibility and simple disassembly and assembly of all important components

A-MICRO SE 4.0-10-200 K

- ▶ On 200 litre compressed air tank (AD 2000)
- ▶ Durable protection against rust thanks to hot-dip galvanisation of the container - 15-year warranty against rusting through*
- ▶ With attached refrigeration dryer

SERIES

A-MICRO

Screw compressor as single unit

SERIES

A-MICRO-200

Screw compressor on compressed air tank



SERIES

A-MICRO-200-K

Screw compressor on compressed air tank + refrigeration dryer



SERIES

A-DUO-MICRO

on 2x100l container on safety stand pallet

SERIES

A-DUO-MICRO-K

like model DUO and additionally with attached refrigeration dryer

SERIES

A-DUO-MICRO-KK

as model DUO K and additionally with fine filter, condensate conditioner for oil-water separation, automatic condensate drain

Technical data	Art no.	Maximum pressure	Effective delivery quantity	Motor power ~50 Hz	Sound pressure level Lp	Dimensions (L x B x H) ca.	Connection	Tank capacity	Weight approx.
A-MICRO SE 4.0-10	2091604	10 bar	485 l/min	4 kW / 400 V	60 dB(A)	580 x 480 x 760	1/2"	–	93 kg
A-MICRO SE 4.0-10-200	2091614	10 bar	485 l/min	4 kW / 400 V	60 dB(A)	1440 x 510 x 1280 mm	1/2"	200 l (AD 2000)	150 kg
A-MICRO SE 4.0-10-200 K	2091654	10 bar	485 l/min	4 kW / 400 V	61 dB(A)	1440 x 510 x 1280 mm	1/2"	200 l (AD 2000)	180 kg
A-DUO-MICRO SE 4.0-08 2 x 100	2091622	8 bar	580 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	198 kg
A-DUO-MICRO SE 4.0-10 2 x 100	2091624	10 bar	485 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	198 kg
A-DUO-MICRO SE 4.0-08 2 x 100 K	2091662	8 bar	580 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	221 kg
A-DUO-MICRO SE 4.0-10 2 x 100 K	2091664	10 bar	485 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	221 kg
A-DUO-MICRO SE 4.0-08 2 x 100 KK	2091682	8 bar	580 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	228 kg
A-DUO-MICRO SE 4.0-10 2 x 100 KK	2091684	10 bar	485 l/min	4 kW / 400 V	61 dB(A)	1250 x 950 x 1430 mm	1/2"	2 x 100 l	228 kg

A-PLUS –

Screw compressors with ribbed belt drive for high air output

- ▶ With EasyTRONIC MICRO II electronic control unit with pressure sensor operation as standard, thus preventing motor overload, reducing wear and extending service life
- ▶ With star-delta switch
- ▶ High cooling effect and low noise level thanks to thermostatically controlled centrifugal fan
- ▶ Operating hours counter records load and overrun times, ensuring that maintenance intervals are adhered to - Display of maintenance requirements via automatic message
- ▶ Checking the direction of rotation of the motor prevents possible damage during commissioning or after a change of location
- ▶ With aftercooler as standard
- ▶ Screw compressor with wear-resistant poly V ribbed belt drive and slide tensioning system
- ▶ Easy maintenance thanks to easily accessible elements
- ▶ Optimum operating temperatures thanks to thermostatically controlled fan

- ▶ Permanent protection against rust due to hot-dip galvanising of the container
- ▶ 15-year warranty on the tank against rusting through*



Warranty Very quiet



EasyTRONIC MICRO II (ETM II)

- ▶ The intelligent control, regulation and monitoring system



A-PLUS 11-10

- ▶ Easy to service thanks to optimum accessibility and simple disassembly and assembly of all important components



A-PLUS 11-10-500



A-PLUS 11-10-500 K

SERIES
A-PLUS
Single system

SERIES
A-PLUS 500
500 litre compressed air tank
according to AD 2000

SERIES
PLUS 500 K
500 litre compressed air tank according
to AD 2000
Refrigeration dryer

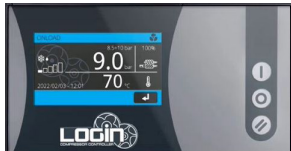
Technical data	Art no.	Maximum pressure	Effective delivery quantity	Motor output power ~50 Hz	Sound pressure level Lp	Dimensions W x D x H (mm) approx.	connection	Tank capacity	Weight approx.
A-PLUS 11-10	2092404	10 bar	1,500 l/min	11 kW/ 400 V	69 dB(A)	800 x 650 x 980	3/4"	–	210 kg
A-PLUS 15-10	2092604	10 bar	1,850 l/min	15 kW/ 400 V	70 dB(A)	800 x 650 x 980	3/4"	–	220 kg
A-PLUS 11-10-500	2092434	10 bar	1,500 l/min	11 kW/ 400 V	69 dB(A)	1980 x 700 x 1630	1"	500 l	322 kg
A-PLUS 15-10-500	2092634	10 bar	1,850 l/min	15 kW/ 400 V	70 dB(A)	1980 x 700 x 1630	1"	500 l	357 kg
A-PLUS 11-10-500 K	2092474	10 bar	1,500 l/min	11 kW/ 400 V	69 dB(A)	1980 x 700 x 1630	1"	500 l	395 kg
A-PLUS 15-10-500 K	2092674	10 bar	1,850 l/min	15 kW/ 400 V	70 dB(A)	1980 x 700 x 1630	1"	500 l	436 kg

A-K-MAX –

Modern screw compressors with constant speed and innovative LOGIN control

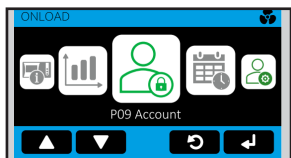


- ▶ Innovative LOGIN control unit with 4.3" touchscreen for easy operation and complete control of all functions
- ▶ Connection of up to eight compressors possible, whether with constant or variable speed
- ▶ All information on the current operating status at a glance
- ▶ Rotation direction control for the motor, prevents damage during commissioning or after a change of location
- ▶ Low noise emission (only max. 67 dB) during operation due to extremely low speed of the screw compressor and use of a low-noise centrifugal fan
- ▶ Optimum operating temperature and low fluctuation in oil temperature thanks to thermostatically controlled centrifugal fan, optimum cooling air flow and generously dimensioned heat exchanger
- ▶ Aftercooler reduces the effort for drying and filtering the compressed air produced
- ▶ With star-delta connection as standard
- ▶ Easy to service: simple removal and installation of all components requiring maintenance



LOGIN control

- Powerful and flexible programming
- Developed for Industry 4.0



Simple operation

- User-friendly navigation through the menu with tiles



- Low-noise radial fan
- Oil-air combined heat exchanger



K-MAX 5.5-10

A-K-MAX
Stand alone



K-MAX 7.5-10-270 ES (IE3)

- With integrated refrigeration dryer on 270 litre compressed air tank
- Permanent protection against rust thanks to hot-dip galvanising of the boiler

SERIES
A-K-MAX-270
AD 2000
Compressed air tank

SERIES
A-K-MAX-270
AD 2000
Compressed air tank
& refrigeration dryer

Type	Art no.	Maximum pressure	Effective delivery quantity	Motor output power ~50 Hz	Sound pressure level Lp	Dimensions (L x W x H) approx.	Connection:	Tank capacity	Weight approx.
Series A-K-MAX									
A-K-MAX 5.5-10 (IE3)	2095204.2	10 bar	705 l/min	5.5 kW / 400 V	62 dB(A)	830 x 680 x 850 mm	1/2"	–	162 kg
A-K-MAX 7.5-10 (IE3)	2095404.2	10 bar	1,050 l/min	7.5 kW / 400 V	62 dB(A)	830 x 680 x 850 mm	1/2"	–	165 kg
A-K-MAX 7.5-13 (IE3)	2095406.2	13 bar	705 l/min	7.5 kW / 400 V	62 dB(A)	830 x 680 x 850 mm	1/2"	–	165 kg
A-K-MAX 11-10 (IE3)	2095604.2	10 bar	1550 l/min	11 kW / 400 V	67 dB(A)	1030 x 730 x 1000 mm	3/4"	–	238 kg
A-K-MAX 11-13 (IE3)	2095606.2	13 bar	1200 l/min	11 kW / 400 V	67 dB(A)	1030 x 730 x 1000 mm	3/4"	–	238 kg
A-K-MAX 15-13 (IE3)	2095806.2	13 bar	1550 l/min	15 kW / 400 V	67 dB(A)	1030 x 730 x 1000 mm	3/4"	–	248 kg
A-K-MAX 5.5-10-270 (IE3)	2095224.2	10 bar	705 l/min	5.5 kW / 400 V	62 dB(A)	1200 x 680 x 1540 mm	1/2"	270 l	239 kg
A-K-MAX 7.5-10-270 (IE3)	2095424.2	10 bar	1,050 l/min	7.5 kW / 400 V	62 dB(A)	1200 x 680 x 1540 mm	1/2"	270 l	242 kg
A-K-MAX 5.5-10-270ES (IE3)	2095264.2	10 bar	705 l/min	5.5 kW / 400 V	62 dB(A)	1200 x 680 x 1540 mm	1/2"	270 l	280 kg
A-K-MAX 7.5-10-270ES (IE3)	2095464.2	10 bar	1,050 l/min	7.5 kW / 400 V	62 dB(A)	1200 x 680 x 1540 mm	1/2"	270 l	330 kg

A-K-MAX – Modern screw compressors with variable speed control and innovative LOGIN control system



Very quiet

Energy saving through frequency control

- ▶ Ideal for frequently changing compressed air consumption
- ▶ Delivery volume of the compressor adapts to the actual consumption
- ▶ Electronic control system monitors the motor and compressor speed and keeps the mains pressure constant even when consumption fluctuates greatly



- Speed-controlled models with state-of-the-art inverter technology
- Low-noise radial fan
- Oil-air combined heat exchanger



- Larger models with highly efficient permanent magnet motor on request!



K-MAX 7.5-08 VS (IE3)



K-MAX 7.5-08-270 ES VS (IE3)

- With integrated refrigeration dryer on 270 litre compressed air tank
- Permanent protection against rust thanks to hot-dip galvanising of the boiler

A-K-MAX VS
Stand alone

SERIES
A-K-MAX-270VS
AD 2000
Compressed air tank

SERIES
A-K-MAX-270VS
AD 2000
Compressed air tank
& refrigeration dryer

Type	Art no.	Maximum pressure	Effective delivery quantity	Motor power ~50 Hz	Sound pressure level Lp	Dimensions (L x W x H) approx. (mm)	Connection	Tank capacity	Weight approx.
Series A-K-MAX									
A-K-MAX 7.5-08 VS (IE3)	2095502.2	8 bar	600 – 1300 l/min	7.5 kW / 400 V	63 dB(A)	830 x 680 x 850	1/2"	–	172 kg
A-K-MAX 7.5-10 VS (IE3)	2095504.2	10 bar	500 – 1100 l/min	7.5 kW / 400 V	63 dB(A)	830 x 680 x 850	1/2"	–	172 kg
A-K-MAX 11-08 VS (IE3)	2095702.2	8 bar	680 – 1700 l/min	11 kW / 400 V	67 dB(A)	830 x 680 x 850	3/4"	–	246 kg
A-K-MAX 11-10 VS (IE3)	2095704.2	10 bar	620 – 1580 l/min	11 kW / 400 V	67 dB(A)	1030 x 730 x 1000	3/4"	–	246 kg
A-K-MAX 15-08 VS (IE3)	2095902.2	8 bar	950 – 2500 l/min	15 kW / 400 V	67 dB(A)	1030 x 730 x 1000	3/4"	–	263 kg
A-K-MAX 15-10 VS (IE3)	2095904.2	10 bar	840 – 2100 l/min	15 kW / 400 V	67 dB(A)	1030 x 730 x 1000	3/4"	–	263 kg
A-K-MAX 7.5-08-270 VS (IE3)	2095522.2	8 bar	600 – 1300 l/min	7.5 kW / 400 V	63 dB(A)	1200 x 680 x 1540	1/2"	270 l	250 kg
A-K-MAX 7.5-10-270 VS (IE3)	2095524.2	10 bar	500 – 1100 l/min	7.5 kW / 400 V	63 dB(A)	1200 x 680 x 1540	1/2"	270 l	250 kg
A-K-MAX 7.5-08-270 ES VS (IE3)	2095562.2	8 bar	600 – 1300 l/min	7.5 kW / 400 V	63 dB(A)	1200 x 680 x 1540	1/2"	270 l	290 kg
A-K-MAX 7.5-10-270 ES VS (IE3)	2095564.2	10 bar	500 – 1100 l/min	7.5 kW / 400 V	63 dB(A)	1200 x 680 x 1540	1/2"	270 l	290 kg

Screw compressor ASC-D VS (PM) - Energy-efficient screw compressor for laser cutting systems with permanent magnet motor and 16 bar

- ▶ The ASC-D series of screw compressors reliably delivers compressed air while consuming minimal energy. They also score points for being easy to use and maintain, and for their environmentally friendly technology.

Modern electric motor

- ▶ Highly efficient energy-saving drive motors in efficiency class IE4
- ▶ Load-dependent motor speed control

Service-friendly design

- ▶ Easily removable housing parts ensure easy access to all maintenance points
- ▶ Clearly arranged components minimise service times and increase operating efficiency

Compact design

- ▶ Direct drive ensures a compact design and reliable operation
- ▶ Optimum cooling for more efficient compression
- ▶ Low noise pollution thanks to sound insulation and large fan wheel for smooth and stable operation

Operating the compressor

- ▶ Easy handling of all functions via the touch panel
- ▶ Modular concept with up to 8 systems
- ▶ RS 485 interface

Equipment

- ▶ 500 litre tank volume
- ▶ Refrigeration dryer: Removes moisture from the compressed air
- ▶ Built-in filters
- ▶ Automatic time-controlled condensate drain

Models for laser cutting systems with 16 bar

ASC-D 15-16-500 VS (PM)

ASC-D 22-16-500 VS (PM)

- ▶ Including filter components for filter class 1-4-1 according to ISO 8573-1

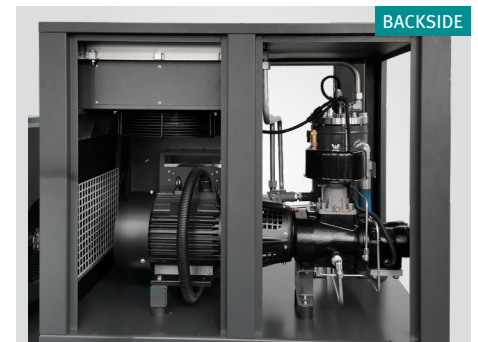
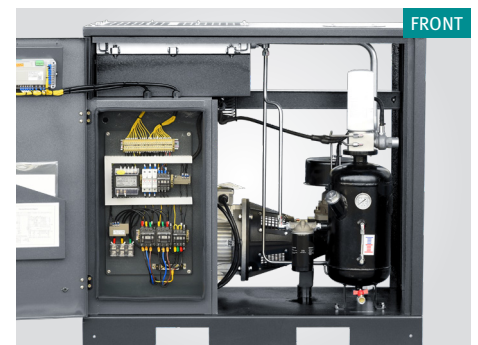
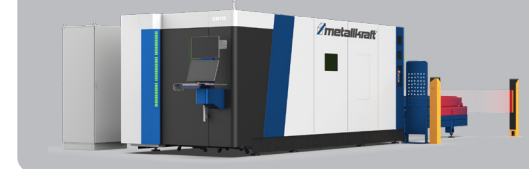


ASC-D 22-16-500 VS (PM)

ASK FOR YOUR INDIVIDUAL OFFER!

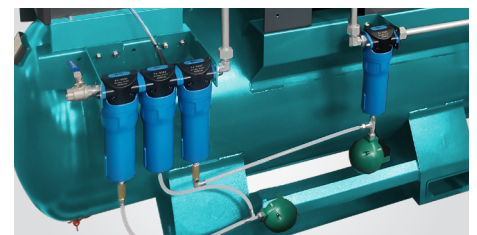
Technical data		ASC-D 15-16-500 VS (PM)	ASC-D 22-16-500 VS (PM)
Art. no.		2079550	2079555
Effective delivery quantity approx.	l/min	1300	1900
Maximum pressure	bar	16	16
Tank capacity	l	500	500
Air outlet	inch	1	1
Sound pressure level Lp	dB(A)	70	72
Motor output power ~50 Hz	V/ kW	15/400	22/400
Drive motor protection class		IP54	IP54
Motor efficiency class		IE4	IE4
Electric motor speed	min ⁻¹	2300	3400
Total power consumption	A	25.3	37
Dimensions (L x W x H) approx.	mm	1900 x 940 x 1710	1980 x 1,040 x 1880
Weight (net) approx.	kg	690	720

 Suitable for
LASER CUTTING SYSTEMS



Service-friendly design

- ▶ Easily removable housing parts ensure easy access to all maintenance points
- ▶ Clearly arranged components minimise service times and increase operating efficiency



Filter battery

- ▶ Compressed air quality class 1-4-1 according to ISO 8573-1

PIPE COMPONENTS Ø 15 - 32 MM

Pipe OD	Art. no.	PU
---------	----------	----

Screw-in connector (parallel thread) up to 10 bar¹⁾

15	1/2" external thread	2151514	10
18	1/2" external thread	2151814	10
22	3/4" external thread	2152216	10
28	1" external thread	2152818	10
32	1" external thread	2153232	10
32	1 1/2" external thread	2153233	10



Thread sealing through chambered "O" ring

Straight connector up to 10 bar¹⁾

15	2150415	10
18	2150418	10
22	2150422	10
28	2150428	5
32	2150432	5



Angle connector up to 10 bar¹⁾

15	2150315	5
18	2150318	5
22	2150322	5
28	2150328	5
32	2150332	5



Plug-in-reducing connector up to 10 bar¹⁾

Nozzle	Pipe	Outer diameter	
18	15	2151805	10
22	15	2151503	10
22	18	2151804	10
28	22	2152203	10
32	22	2153222	10
32	28	2153228	10



Screw-in connector (parallel thread) up to 10 bar¹⁾

15	1/2" external thread	2151512	10
18	1/2" external thread	2151816	10
22	1/2" external thread	2152212	10
22	3/4" external thread	2152234	10



Thread sealing through chambered "O" ring

T-connector up to 10 bar¹⁾

15	2150215	5
18	2150218	5
22	2150222	5
28	2152828	5
32	2150232	5



T-reducing connector up to 10 bar¹⁾

Pipe OD	Pipe OD		
18	15	2153018	5
22	15	2153022	5



Sealing plug for thread - Ø 1/2"

1/2"	2151901	1
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Water separator for pipe OD

22	2152222	1
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Plug-in angle connector up to 10 bar¹⁾

Pipe OD	Nozzle OD		
15	15	2151515	10
18	18	2151818	10
22	22	2152322	10
32	32	2153332	10



Screw-in connector (brass) up to 15 bar²⁾

15	R1/2" external thread	2153415	10
22	R3/4" external thread	2153422	10
28	G3/4" external thread	2153428	10
28	G1" external thread	2153429	10



Wall discs (brass) up to 15 bar²⁾

15	G1/2" internal thread	2151500	1
22	G3/4" internal thread	2152200	1

Straight screw-in connector (brass) up to 15 bar²⁾

15	R1/2" external thread	2151215	10
22	R3/4" external thread	2152243	10
28	R1" external thread	2152808	10



Screw-on nozzle (brass) up to 15 bar²⁾

15	G1/2" internal thread	2151216	10
22	G3/4" internal thread	2152244	10



Water separator Brass for 28 mm T-connector

Pipe OD 28 mm	2152829	1
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Designation	Art. no.	PU
Plastic air distribution box - 4 x 1/2"		
Thread BSP		
1/2"	2150212	1
Supplied with three sealing plugs		



Air distribution box Complete polyamide for thread - Ø		
P G1/2 + 1 x G1/2	2150960	1
P G1/2 + 2 x G1/2	2150961	1
P G1/2 + 3 x G1/2	2150962	1
P G3/4 + 1 x G1/2	2150965	1
P G3/4 + 2 x G1/2	2150966	1
P G3/4 + 3 x G1/2	2150967	1



Air distribution box, aluminium insert for thread - Ø		
PA G1/2 + 1 x G1/2	2150940	1
PA G1/2 + 2 x G1/2	2150941	1
PA G1/2 + 3 x G1/2	2150942	1
DV 1/2" + 3/4" + 3x 1/2"	2150943	1
DV 2 x 3/4" + 3 x 1/2"	2150948	1
PA G3/4 + 1 x G1/2	2150945	1
PA G3/4 + 2 x G1/2	2150946	1
PA G3/4 + 3 x G1/2	2150947	1
PA G1/2 + 4 x G1/2	2150950	1
PA G3/4 + 4 x G1/2	2150951	1



Aluminium air distribution box - 3 x 1/2" for thread - Ø		
1/2" above	2151912	1
3/4" above	2151934	1
1" above	2151910	1
Supplied with two sealing plugs		



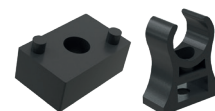
Condensate drain valve G1/4" With the option of attaching a condensate drain on the underside		
	2507307	



Pipe clamp for pipe OD		
15	2151520	100
18	2151820	100
22	2152220	100
28	2152820	100
32	2153220	100



Pipe clamps and spacer		
Spacer	2157450	1
15	2157451	1
18	2157452	1
22	2157453	1
28	2157454	1



Mounting bracket for pipe		
15	2157115	1
18	2157118	1
22	2157122	1
28	2157128	1



Screw clamp with rubber inner band Thread (M8)		
15 - 18	2157218	1
22	2157222	1
28	2157228	1



Protective cap for pipe OD		
15	2150515	10
18	2150518	10
22	2150522	10



Sealing plug for pipe OD		
15	2150815	10
18	2150818	10
22	2150822	10
28	2150828	10
32	2150832	10



Circlip for pipe OD		
15	2150115	10
18	2150118	10
22	2150122	10



QUICK AND STRESS-FREE INSTALLATION WITHOUT TOOLS

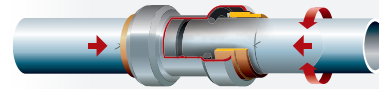
- ▶ Permanently tight without grouting
- ▶ Cost savings through quick and easy installation
- ▶ Compatible with other standard-compliant pipes
- ▶ Installation even in confined spaces
- ▶ Pull-out forces far above the requirements of the standard
- ▶ O ring included in scope of delivery

COMPONENTS Ø 15 - 28 MM

Pipe OD	Art. no.	PU
Straight screw-in connector (brass)		
15 R1/2" external thread	2150010	5
18 R3/4" external thread	2150011	5
18 R1/2" external thread	2150012	5
22 R3/4" external thread	2150013	5
22 R1/2" external thread	2150014	5
28 R1" external thread	2150015	5
Straight screw-on connector (brass)		
15 G1/2"	2150016	5
18 G1/2"	2150017	5
18 G3/4"	2150018	5
22 G1/2"	2150019	5
22 G3/4"	2150020	5
28 G1"	2150021	5
Straight connector (brass)		
15	2150025	5
18	2150026	5
22	2150027	5
28	2150028	5
Angled plug connector 90° (brass)		
15	2150030	5
18	2150031	5
22	2150032	5
28	2150033	5
Angled plug connector 45° (brass)		
15	2150035	2
18	2150036	2
22	2150037	2
28	2150038	2
Angle screw-in connector 90° (brass)		
15 R1/2"	2150040	2
18 R1/2"	2150041	2
22 R3/4"	2150042	2
28 R1"	2150043	2
T-connector (brass)		
15	2150050	5
18	2150051	5
22	2150052	5
28	2150053	2
T-reducing connector (brass)		
22 x 15 x 22	2150055	2
22 x 18 x 22	2150056	2
28 x 22 x 22	2150057	2
28 x 18 x 28	2150058	2
28 x 22 x 28	2150059	2
Sliding sleeve (brass)		
15	2150065	2
18	2150066	2
22	2150067	2
28	2150068	2
Blanking cap (brass)		
15	2150070	2
18	2150071	2
22	2150072	2
28	2150073	2
Reducing connector (brass)		
22 18	2150060	2
28 18	2150061	2
28 22	2150062	2
Disassembly clip		
15	2150080	5
18	2150081	5
22	2150082	5
28	2150083	5

Creating the connection

Plug in, turn and pull

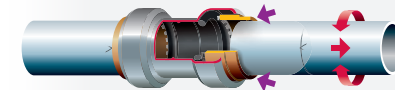


Slightly turn the fitting or pipe while pressing it in an axial direction until the marked insertion point is reached



Check the connection by counter-tightening

Releasing the connection



Press back the retaining element with the disassembly tool and remove the pipe with a twisting motion

PIPE CONNECTOR Ø 32- 63 MM

for aluminium tubes

Pipe OD	Art. no.	PU
Straight screw-in connector		
32 mm	R1a	2157420 5
40 mm	R1 1/4a	2157421 1
50 mm	R1 1/2a	2157422 1
63 mm	R2a	2157423 1
Straight screw-on connector		
32 mm	G1i	2157415 5
40 mm	G1 1/4i	2157416 1
50 mm	G1 1/2i	2157417 1
63 mm	G2i	2157418 1
Straight plug connector		
32 mm		2157400 5
40 mm		2157401 1
50 mm		2157402 1
63 mm		2157403 1
Angled plug connector 90°		
32 mm		2157405 5
40 mm		2157406 1
50 mm		2157407 1
63 mm		2157408 1
T-connector		
32 mm		2157410 5
40 mm		2157411 1
50 mm		2157412 1
63 mm		2157413 1
T-screw-on connector		
32 mm	3/4"	2157425 5
40 mm	1"	2157426 1
50 mm	G1 1/2i	2157427 1
63 mm	G2i	2157428 1

DISTRIBUTION BOARD

Distribution board		
new 2 x 1/2" int. thread x 4 x 1/4" int. thread	2150975	1



COMPRESSED AIR STARTER SET

	Plug-in connection system 15 mm Art. no.: 2159901		Plug-in connection system 22 mm Art. no.: 2159902		Plug-in connection system 28 mm Art. no.: 2159903		Plug-in connection system 22/15 mm Art. no.: 2159904	
PA pipe / blue	1 x	25 m	1 x	25 m	1 x	50 m	1 x	25 m
Angle connector	15 x	15 mm	15 x	22 mm	5 x	28 mm	15 x	22 mm
T-connector	4 x	15 mm	4 x	22 mm	3 x	28 mm	4 x	22 mm
Wall bracket 90°	1 x	15 mm x 1/2" internal thread	1 x	22 mm x 3/4" internal thread	—	—	1 x	15 mm x 1/2" internal thread
3-way air distribution box	1 x	1/2"	1 x	1/2"	1 x	1/2"	2 x	1/2"
Screw-in connector	1 x	15 mm x 1/2" external thread	1 x	22 mm x 3/4" external thread	1 x	28 mm x 1" external thread	2 x	15 mm x 1/2" external thread
Pipe clamp	50 x	15 mm	50 x	22 mm	20 x	28 mm	30 x	22 mm
Pipe clamp	—	—	—	—	—	—	20 x	15 mm
Circlip	50 x	15 mm	—	22 mm	—	—	10 x	15 mm
Circlip	—	—	—	—	—	—	50 x	22 mm



AIRCRAFT compressed air line connector systems
Pipes 15- 63 mm for trade and industry

"CLICK"



PLASTIC PIPES FOR COMPRESSED AIR SYSTEMS

- Very smooth inner surfaces, better flow
- Tried and tested for years
- Pressure and temperature resistant
- Vibration and impact resistant
- Resistant to corrosion and ageing
- Low weight



SOFT STOCK GOODS

PU/Roll	1 Roll 25m	1 Roll 25m	1 Roll 25m	—
Art. no.	215151025	215181725	215221725	—
PU/roll ³⁾	1 roll	1 roll	1 roll	1 roll
Art. no.	100 m	100 m	100 m	50 m
Art. no.	2151510	2151817	2152217	2152824
Technical data				
Outer diameter	15* mm	18* mm	22 mm	28 mm
Inner diameter	12 mm	14 mm	18 mm	23 mm
Wall thickness	1.5 mm	2.0 mm	2.0 mm	2.5 mm
Operating pressure ²⁾ max. (20°C)	15 bar	16 bar	14 bar	14 bar
Min. bending radius	90 mm	100 mm	140 mm	190 mm

HARD BAR STOCK



PU /bar	3 m	3 m	3 m	3 m
Art. no.	2151511	2151815	2152218	2152823
PU/Bundle ³⁾	10 x 3 m	10 x 3 m	10 x 3 m	10 x 3 m
Technical data				
Outer diameter	15 ³⁾ mm	18 ³⁾ mm	22 mm	28 mm
Inner diameter	12 mm	14 mm	18 mm	23 mm
Wall thickness	1.5 mm	2.0 mm	2.0 mm	2.5 mm
Operating pressure ²⁾ max. (20°C)	25 bar	28 bar	22 bar	20 bar

Degree of utilisation of the permissible operating pressures (calculation example):

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

Example: Roll material Ø 15 mm (soft): Permissible operating pressure at +50 °C: 62% of 15 bar = 9.3 bar
Bar stock Ø 15 mm (hard): Permissible operating pressure at +50 °C: 62% of 25 bar = 15.5 bar

ALUMINIUM PIPES²⁾

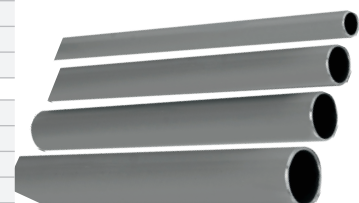
The AIRCRAFT aluminium pipe is manufactured with the quality ALMgSi 05. The six-metre-long aluminium pipe has a surface coating. The pipes can be used for compressed air and vacuum.

Art. no.	Dim. in mm		Wall thickness in mm	Minimum order quantity	Surface	Max. pieces per packaging tube
	OD	ID				
2157315	15	12	1.5	10 sticks	grey-coated	26
2157318	18	15	1.5	10 sticks	grey-coated	18
2157322	22	19	1.5	10 sticks	grey-coated	10
2157328	28	25	1.5	5 sticks	grey-coated	8
2157332	32	29	1.5	5 sticks	grey-coated	21
2157340	40	37	1.5	5 sticks	grey-coated	13
2157350	50	46	2.0	5 sticks	grey-coated	7
2157363	63	59	2.0	4 sticks	grey-coated	4

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

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

Explanation TVPAR:



PIPE COMPONENTS Ø 15 - 32 MM

Designation	Art. no.	PU
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Screw locking

medium strength for gap 0.05 - 0.25 mm		
10 g	2500022	25
50 g	2500023	10
250 g	2500024	10



Teflon sealing tape

10 m length	2500020	10
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Ball valves

Type		
R 3/8" internal thread	3/8" int. thread	2507710
R 3/8" internal thread	3/8" ext. thread	2507711
R 1/2" internal thread	1/2" int. thread	2507712
R 1/2" internal thread	1/2" external thread with knob	2507714
R 3/4" internal thread	3/4" int. thread	2507715
R 3/4" internal thread	3/4" ext. thread	2507716
R 1" internal thread	1" int. thread	2507720
R 1" internal thread	1" ext. thread	2507721
R 1 1/4" internal thread	1 1/4" int. thread	2507725
R 1 1/4" internal thread	1 1/4" external thread	2507726
R 1 1/2" internal thread	1 1/2" int. thread	2507730
R 1 1/2" internal thread	1 1/2" external thread	2507731
R 2" internal thread	2" ext. thread	2507741



Air shut-off valves Ø 15 - 28 mm

Consisting of ball valve and 2 x end pieces with brass external thread

End piece		
Pipe OD	external thread	
15	1/2"	2507915
18	1/2"	2507918
22	3/4"	2507922
28	1"	2507928



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
Energy saver G1; connection: int. thread 1" 2150001



Compressed air energy saver G2

Opens and closes automatically, 115 V or 240 VAC operating voltage, 0 °C to +60 °C operating temperature, pressure range 0 - 16 bar

Energy saver G2; connection: int. thread 2"	2150003
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Accessories Compressed air energy saver G1/G2

Remote control option with 5 m cable	2150002
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Aluminium pipe cutter for pipe OD

4 - 30 mm	2151930
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Outer/inner pipe deburrer

Pipe OD	
Ø 3- 35 mm	2155990



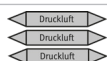
PA Pipe shears

RS 28	2151528
Spare blade	2151527



Pipe markers (stickers)

Sheet = 3 stickers	2156000
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Pre-assembled distribution blocks for ceiling and wall mounting

Air inlet sockets with two one-hand couplings and plug connector

consisting of: Feed-through junction box, two one-hand couplings 1/2" external thread, straight plug connector and blind plug 1/2"

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158104
18 mm	1/2"	2158105
22 mm	3/4"	2158106
28 mm	3/4"	2158107



Air inlet socket with one-hand coupling Ø 15 - 28 mm

comprises: Air distribution box, coupling 1/2" external thread, straight screw-in connector 15mm x R1/2"

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158100
18 mm	1/2"	2158101
22 mm	3/4"	2158102
28 mm	3/4"	2158103



Junction box without one-hand coupling Ø 15 - 22 mm

consisting of: Air distribution box, straight screw-in connector

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158110
18 mm	1/2"	2158111
22 mm	3/4"	2158112



Final junction box with two safety couplings and shut-off valve Ø 15 - 22 mm

consisting of: Air distribution box, ball valve 1/2" external thread, straight screw-in connector x R1/2", coupling 1/2" external thread

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158140
18 mm	1/2"	2158141
22 mm	3/4"	2158142



Junction box with two one-hand couplings, shut-off valve and filter pressure regulator 12 bar Ø 15 - 22 mm

consisting of: air distribution box, ball valve female thread x 1/2" male thread, Straight screw-in connector x R1/2", coupling 1/2" male thread double nipple G1/4xG1/2, pressure regulator 1/4" 12 bar, coupling 1/4" male thread

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158160
18 mm	1/2"	2158161
22 mm	3/4"	2158162



Junction box with two one-hand couplings, shut-off valve, filter pressure regulator and mist lubricator 12 bar Ø 15 - 22 mm

consisting of: Air distribution box, ball valve 1/2" external thread, straight screw-in connector R1/2", coupling 1/2" external thread, double nipple G 1/4 x G 1/2, filter pressure regulator 1/4" 12 bar, coupling set 1/4" 12 bar, mist lubricator 1/4" 12 bar, coupling 1/4" external thread

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158200
18 mm	1/2"	2158201
22 mm	3/4"	2158202



Terminal junction box with two one-hand couplings, stopcock and filter pressure regulator 12 bar Ø 15 - 22 mm

consisting of: Air distribution box, ball valve 1/2" external thread Straight screw-in connector x R1/2", safety coupling 1/2" external thread, double nipple G 1/4 x G 1/2, filter pressure regulator 1/4" 12 bar, safety coupling 1/4" external thread

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158190
18 mm	1/2"	2158191
22 mm	3/4"	2158192



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

consisting of: Air distribution box, ball valve R 1/2" female thread x 1/2" male thread, straight screw-in connector x R3/4", Safety coupling 1/2" external thread, double nipple G 1/4 x G 1/2, filter pressure regulator 1/4" 12 bar, coupling set 1/4" 12 bar, mist lubricator 1/4" 12 bar, safety coupling 1/4" external thread

Pipe OD	End piece	Art. no.
15 mm	1/2"	2158210
18 mm	1/2"	2158211
22 mm	3/4"	2158212



PRESSURE REGULATOR

- Design: Diaphragm pressure regulator with secondary venting
- Medium: Compressed air, neutral gases
- Temperature range: -10 °C to +50 °C
- Pressure gauge



Fig.: Pressure regulator
1/4" 12bar



Designation	Art. no.
BG1 Pressure regulator 1/4" 12bar	2317000
BG2 Pressure regulator 1/4" 16bar	2317010
BG3 Pressure regulator 1/2" 16bar	2317020
BG4 Pressure regulator 1" 16bar	2317030

MIST LUBRICATOR

- Design: Micro mist lubricator
- Medium: Compressed air, neutral gases
- Temperature range: -10 °C to +50 °C
- Installation position: vertical
- Oil type: CL 32 according to DIN51517-ISO VG 32



Fig.: Mist lubricator
1/4" 12bar



Designation	Art. no.
BG1 Mist lubricator 1/4" 12bar; 35 cm³	2317200
BG2 Mist lubricator 1/4" 16bar; 40 cm³	2317210
BG3 Mist lubricator 1/2" 16bar; 80 cm³	2317220
BG4 Mist lubricator 1" 16bar; 181 cm³	2317230

FILTER PRESSURE REGULATOR

- Design: Sintered filter centrifugal principle; diaphragm pressure regulator with secondary venting
- Medium: Compressed air, neutral gases
- Temperature range: -10 °C to +50 °C
- Installation position: vertical
- Pore size 5 µm
- Pressure gauge



Fig.: Filter pressure
regulator 1/4" 12bar



Designation	Art. no.
BG1 Filter pressure regulator 1/4" 12bar	2317100
BG2 Filter pressure regulator 1/4" 16bar	2317110
BG3 Filter pressure regulator 1/2" 16bar	2317120
BG4 Filter pressure regulator 1" 16bar	2317130

WATER SEPARATOR

- Design: Sintered filter centrifugal principle
- Medium: Compressed air, neutral gases
- Temperature range: -10 °C to +50 °C
- Installation position: vertical
- Pore size 5 µm



Fig.: Water separator
1/4" 12bar



Designation	Art. no.
BG1 Water separator 1/4" 12bar	2317300
BG2 Water separator 1/4" 16bar	2317310
BG3 Water separator 1/2" 16bar	2317320
BG4 Water separator 1" 16bar	2317330

ACCESSORIES BG1 (1/4" 12 BAR)

Accessories for 1/4" 12 bar	Art. no.
Coupling package 1/4"	2317500
Accessories for 1/4" 12 bar	
Coupling package 1/4" for wall mounting	2317501
Accessories for 1/4" 12 bar	
Wall bracket mounting kit 1/4"	2317502
Accessories for 1/4" 12 bar	
Angle bracket 1/4"	2317503
Accessories for 1/4" 12 bar	
Mounting bracket 1/4" for switch panel thread incl. union nut	2317504

ACCESSORIES BG3 (1/2" 16 BAR)

Accessories for 1/2" 16 bar	Art. no.
Coupling package 1/2"	2317520
Accessories for 1/2" 16 bar	
Coupling package 1/2" for wall mounting	2317521
Accessories for 1/2" 16 bar	
Wall bracket mounting kit 1/2"	2317522
Accessories for 1/2" 16 bar	
Angle bracket 1/2"	2317523
Accessories for 1/2" 16 bar	
Mounting bracket 1/2" for panel thread	2317524

ACCESSORIES BG2 (1/4" 16 BAR)

Accessories for 1/4" 16 bar	Art. no.
Coupling package 1/4"	2317510
Accessories for 1/4" 16 bar	
Coupling package 1/4" for wall mounting	2317511
Accessories for 1/4" 16 bar	
Wall bracket mounting kit 1/4"	2317512
Accessories for 1/4" 16 bar	
Angle bracket 1/4"	2317513
Accessories for 1/4" 16 bar	
Mounting bracket 1/4" for switch panel thread incl. union nut	2317514

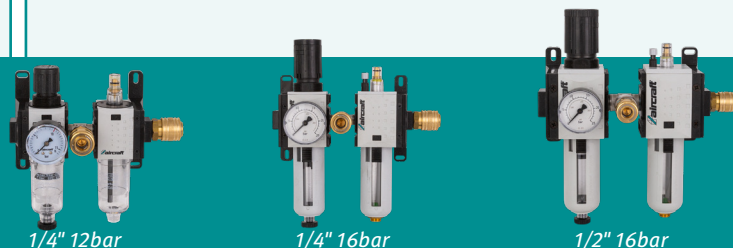
ACCESSORIES BG4 (1" 16 BAR)

Accessories for 1" 16 bar	Art. no.
Coupling package 1"	2317530
Accessories for 1" 16 bar	
Coupling package 1" for wall mounting	2317531
Accessories for 1" 16 bar	
Wall bracket mounting kit 1"	2317532
Accessories for 1" 16 bar	
Angle bracket 1"	2317533

COMBINATION MAINTENANCE UNIT

comprises: Filter pressure regulator, mist lubricator, brass coupling, 1 T-piece A-I-A, wall bracket mounting kit

Designation	Art. no.
Combination maintenance unit 1/4" 12 bar	2317400
Combination maintenance unit 1/4" 16 bar	2317410
Combination maintenance unit 1/2" 16 bar	2317420



COMPRESSED AIR FITTINGS

Designation	Art. no.	PU	
Couplings with external thread (Made in Germany 🇩🇪)			
Coupling 1/4" external thread	2200001	10	
Coupling 3/8" external thread	2200002	10	
Coupling 1/2" external thread	2200003	10	
Couplings with internal thread (Made in Germany 🇩🇪)			
Coupling 1/4" internal thread	2200011	10	
Coupling 3/8" internal thread	2200012	10	
Coupling 1/2" internal thread	2200013	10	
Couplings with hose hose grommet (Made in Germany 🇩🇪)			
Coupling 6 mm	2200021	10	
Coupling 9 mm	2200022	10	
Coupling 13 mm	2200023	10	
Plug-in grommets (Made in Germany 🇩🇪)			
Socket 6 mm	2200031	10	
Socket 9 mm	2200032	10	
Socket 13 mm	2200033	10	
Plug nipple with external thread (Made in Germany 🇩🇪)			
Plug nipple 1/4" external thread	2200041	10	
Plug nipple 3/8" external thread	2200042	10	
Plug nipple 1/2" external thread	2200043	10	
Plug nipple with internal thread (Made in Germany 🇩🇪)			
Plug nipple 1/4" internal thread	2200051	10	
Plug nipple 3/8" internal thread	2200052	10	
Plug nipple 1/2" internal thread	2200053	10	
Distributor (Made in Germany 🇩🇪)			
2-way 3/8" w. coupling	2200085	5	
3-way 3/8" w. coupling	2200095	5	
3-way 3/8" female thread	2200071	5	
Double hose grommets			
6 mm	2200102	10	
9 mm	2200103	10	
13 mm	2200104	10	
Reducing nipple short			
1/8" internal thread x 1/4" external thread	2200141	10	
1/4" internal thread x 3/8" external thread	2200142	10	
1/4" internal thread x 1/2" external thread	2200143	10	
3/8" internal thread x 1/2" external thread	2200145	10	
1/2" internal thread x 3/4" external thread	2200147	10	
3/4" internal thread X 1" external thread	2200148	10	
Reducing nipple long			
1/4" internal thread x 1/8" external thread	2200151	10	
3/8" internal thread x 1/4" external thread	2200152	10	
1/2" internal thread x 3/8" external thread	2200153	10	
3/4" internal thread x 1/2" external thread	2250211	10	
Sleeves			
Sleeves 1/4"	2200132	10	
Sleeves 3/8"	2200133	10	
Sleeves 1/2"	2200134	10	
Sleeves 3/4"	2200138	10	
Sleeves 1"	2200135	10	
Swivelling connection			
For attachment to the pneumatic tool - Prevents the connection hose from twisting - Robust and durable Working pressure: max 12 bar Air connection: 1/4" external thread + 1/4" internal thread			
Swivelling connection	2116010		
One-ear clamps PRO			
f. Hose 17.8 mm, range: 15.6-17.8 mm	2105011		
f. Hose 19.8 mm, range: 16.6-19.8 mm	2105012		

Designation	Art. no.	PU	
Hose grommets with external thread			
Threaded grommets 1/8", 4 mm	2200171	10	
Threaded nozzles 1/8", 6 mm	2200172	10	
Threaded nozzles 1/8", 9 mm	2200173	10	
Threaded nozzles 1/4", 6 mm	2200174	10	
Threaded nozzles 1/4", 9 mm	2200176	10	
Threaded nozzles 1/4", 13 mm	2200181	10	
Threaded nozzles 3/8", 6 mm	2200175	10	
Threaded nozzles 3/8", 9 mm	2200177	10	
Threaded nozzles 3/8", 13 mm	2200182	10	
Threaded nozzles 1/2", 6 mm	2200178	10	
Threaded nozzles 1/2", 9 mm	2200179	10	
Threaded nozzles 1/2", 13 mm	2200180	10	
T-piece with internal thread			
T-piece 1/8" internal thread	2200190	10	
T-piece 1/4" internal thread	2200193	10	
T-piece 3/8" internal thread	2200196	10	
T-piece 1/2" internal thread	2200199	10	
T-piece with external thread			
T-piece 1/8" external thread	2200191	10	
T-piece 1/4" external thread	2200192	10	
T-piece 3/8" external thread	2200194	10	
T-piece 1/2" external thread	2200198	10	
Elbow			
Elbow 1/8" external thread	2200201	10	
Elbow 1/4" external thread	2200202	10	
Elbow 3/8" external thread	2200203	10	
Elbow 1/2" external thread	2200204	5	
Blanking plugs			
Blanking plug 1/ 8"	2200211	10	
Blanking plug 1/ 4"	2200212	10	
Blanking plug 3/ 8"	2200213	10	
Blanking plug 1/ 2"	2200214	10	
Double nipple			
Double nipple G 1/8" x G 1/8"	2200122	10	
Double nipple G 1/4" x G 1/4"	2200123	10	
Double nipple G 1/4" x G 3/8"	2200124	10	
Double nipple G 1/4" x G 1/2"	2200125	10	
Double nipple G 3/8" x G 3/8"	2200126	10	
Double nipple G 3/8" x G 1/2"	2200127	10	
Double nipple G 3/8" x G 3/8" left.	2200130	10	
Double nipple G 1/2" x G 1/2"	2200128	10	
Double nipple G 1/2" x G 3/4"	2200129	10	
Double nipple G 3/4" x G 3/4"	2200136	10	
Double nipple G 3/4" x G 1"	2200137	10	
Double nipple detachable			
external thread 1/8" x 1/8"	2200300	10	
external thread 1/4" x 1/4"	2200301	10	
external thread 3/8" x 3/8"	2200302	10	
external thread 1/2" x 1/2"	2200303	10	
external thread 3/4" x 3/4"	2200304	10	
external thread 1" x 1"	2200305	10	

QUALITY

- ▶ Very high flow rate
- ▶ High resistance
- ▶ Absolute tightness of the couplings and threads
- ▶ Plug-in nipples are not subjected to mechanical stress, so brass nipples also last longer

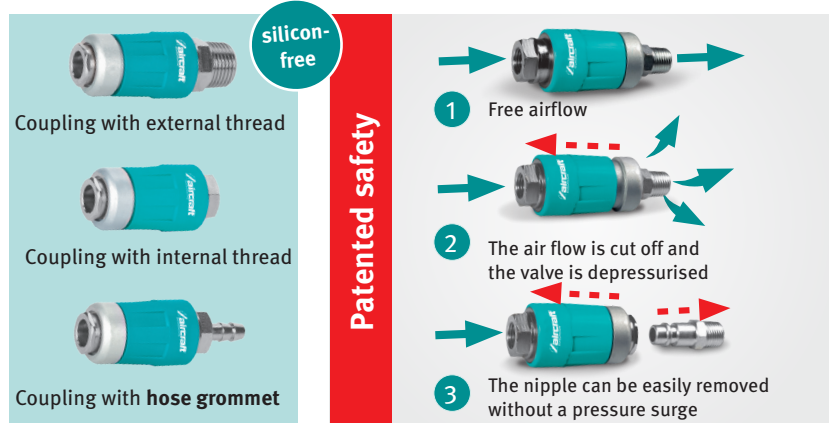
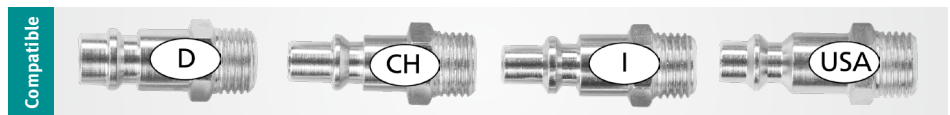
COMFORT

- ▶ Safety clutches - incomparably easy to operate
 - ▶ Unpressurised coupling
- ## ECONOMIC BENEFITS AND STABILITY
- ▶ Long clutch service life thanks to high-quality workmanship and reduced mechanical load

- ▶ Low energy costs due to the long-lasting tightness of the coupling
- ## OCCUPATIONAL SAFETY
- ▶ No parts and dirt particles are flung away
 - ▶ No whipping of the hose line as with a conventional quick-disconnect coupling

"Comfort" safety couplings

- ▶ Pressure-free coupling of the plug-in nipple systems from Germany, Switzerland, Italy and the USA



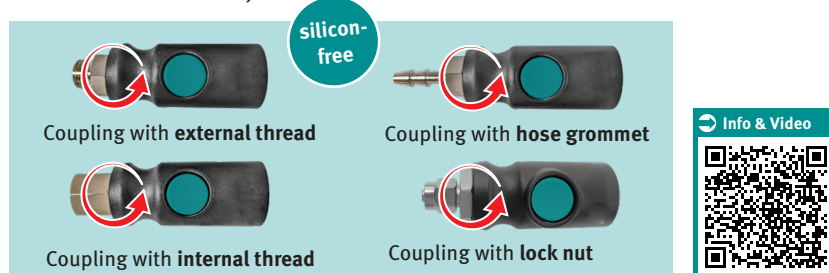
Technical data

Temperature	-15 to 80 °C
Plug-in nipple systems	German, Swiss, Italian, us-american
Maximum pressure	20 bar
Flow rate at 6 bar	2,500 l/min

Model	Art. no.
1/4" external thread	2203101
3/8" external thread	2203102
1/2" external thread	2203103
1/4" internal thread	2203104
3/8" internal thread	2203105
1/2" internal thread	2203106
Coupling 8 mm with hose grommet	2203108
Coupling 10 mm with hose grommet	2203109

One-hand safety couplings - Depressurisation and disconnection at the touch of a button

- ▶ Resistant to abrasion, impact loads and crushing, vibrations and corrosion
- ▶ Lightweight, antistatic and scratch-resistant material
- ▶ Ergonomic, compact shape for intuitive and natural handling
- ▶ The rotating housing means the control knob is easy to reach and the tool can be moved freely



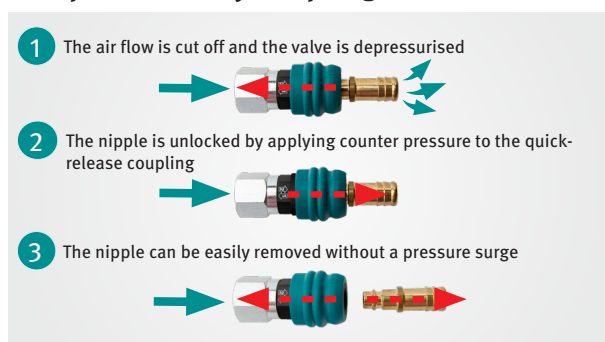
Technical data

Temperature	-20 to 80 °C
Plug-in nipple system	DN 7.2 European profile
Maximum pressure	20 bar

Model	Art. no.
1/4" external thread	2203632
3/8" external thread	2203635
1/2" external thread	2203638
1/4" internal thread	2203630
3/8" internal thread	2203633
1/2" internal thread	2203636
Coupling 6 mm with hose grommet	2203631
Coupling 8 mm with hose grommet	2203640
Coupling 9 mm with hose grommet	2203634
Coupling 13 mm with hose grommet	2203637
Lock nut for 5 mm spiral hose	2203639

Model	2203632	2203635	2203638	2203630	2203633	2203636	2203631	2203634	2203637	2203639	2203640
Flow rate at 6 bar	1,840 l/min	1,900 l/min	1,900 l/min	1,900 l/min	1,900 l/min	2,100 l/min	850 l/min	1,770 l/min	1,840 l/min	850 l/min	1,530 l/min

Composite safety coupling



Technical data

Temperature	-25 to 50 °C
Plug-in nipple system	DN 7.2 European profile
Maximum pressure	15 bar

Model	Art. no.
1/4" external thread	2203620
3/8" external thread	2203621
1/2" external thread	2203622
1/4" internal thread	2203623
3/8" internal thread	2203624
1/2" internal thread	2203625
Coupling 6 mm with hose grommet	2203626
Coupling 9 mm with hose grommet	2203627
Coupling 13 mm with hose grommet	2203628

Model	2203620	2203621	2203622	2203623	2203624	2203625	2203626	2203627	2203628
Flow rate at 6 bar	1,229 l/min	1,232 l/min	1,237 l/min	1,201 l/min	1,203 l/min	1,206 l/min	631 l/min	988 l/min	1,201 l/min

AIRCRAFT oil-water separators - Economical and environmentally friendly

Oil-water separators are used to treat condensate containing oil. They represent an environmentally friendly and cost-saving solution for separating condensate and allow the water separated from the oil to be disposed of in the sewerage system in accordance with the provisions of § 7a of the German Water Resources Act. The condensate produced is waste, contaminated with up to 10000 mg/l of oil.

AIRCRAFT oil-water separation systems have building authority approval from the Institut für Bautechnik, Berlin. They enable you to treat condensate on site. As a rule, this is always cheaper than cost-intensive disposal by specialised companies.

Simple gravity separators (oil separators) are not suitable for treating condensate from compressed air systems.

According to the Water Resources Act § 7a, compressed air condensate may not be discharged into the sewage system without proper treatment according to the state of the art.

AIRCRAFT WOS series oil/water separators

- ▶ Thanks to patented technology, regular servicing is possible in just 30 seconds and without time-consuming cleaning
- ▶ Wall and floor mounting possible
- ▶ Works reliably with any condensate drain
- ▶ Suitable for all common compressor oils
- ▶ Operating media: Condensate (air, water, oil), non-aggressive, not suitable for emulsion
- ▶ Quick and clean replacement of the filter cartridge
- ▶ No settling tank necessary (no bacteria formation)
- ▶ Connection via push-in

Replacement cartridges can be found in the AIRCRAFT main catalogue!

Functional description:

- ▶ Multi-stage oil-water separation via an oil-absorbing filter and activated carbon
- ▶ At the end of the filter element's service life, it is unscrewed and completely disposed of
- ▶ Filter element is tightly sealed with a plastic cover so that residual condensate remains inside
- ▶ Closed filter element can be disposed of in accordance with the applicable regulations



Model	WOS 1	WOS 2	WOS 4	WOS 8	WOS 20	WOS 35
Art no.	2058210	2058220	2058230	2058240	2058250	2058255
Compressor capacity max. ¹⁾	1.08 m³/min	2.23 m³/min	4.04 Nm³/min	8.4 Nm³/min	20.5 Nm³/min	35.5 Nm³/min
Oil adsorption max.	650 g	1340 g	2.43 kg	5.04 kg	12.28 kg	21.31 kg
Condensate flow max.	0.90 l/h	1.87 l/h	3.4 l/h	7.1 l/h	17.2 l/h	29.8 l/h
Residual oil content	< 20 ppm	< 20 ppm	< 10 ppm	< 10 ppm	< 10 ppm	< 10 ppm
Operating temperature	1.5 - 45°C (max 65°C) ²⁾					
Condensate inlet, plug-in connection	Ø 8 mm for hose		Ø 10 mm for hose			
Water drain, plug-in connection	Ø 8 mm for hose		Ø 10 mm for hose			
Dimensions (L x W x H) approx.	483 x 146 x 106 mm	816 x 146 x 106 mm	416 x 243 x 411 mm	730x343x680 mm	820x366x940 mm	960x386x1.137 mm

Electronic steam traps AIED and AMD

AIED

- ▶ Fully automatic removal of condensate or non-aggressive liquids from mainly filter housings
- ▶ Condensate outlet without air loss as soon as the condensate level in the collection reservoir is high enough
- ▶ equipped with LED indicator and a test button

AMD

- ▶ Integrated sieve (easy access/cleaning)
- ▶ Patented valve technology – Direct-acting, self-cleaning valve
- ▶ Optimised for easy service (service kit)
- ▶ Horizontal or vertical installation possible
- ▶ Including 3 metre connection cable with Schuko plug



Technical data	AIED	AMD
Art no.	2059075	AMD
Filter capacity max.	m³/min	55
Operating pressure	bar	0 – 16
Separation performance	l/h	8 (at 7 bar)
Operating temperature	°C	1.5 – 45 (max 65) ²⁾
Condensate feed	“	G 1/2 parallel thread
Electrical connection	V/Hz	230~ 50 Hz

Electronic steam traps BEKOMAT®

The advantages at a glance

- ▶ No unnecessary compressed air losses
- ▶ Derivation according to quantity
- ▶ Sensor detects every type of condensate
- ▶ Simple electrical installation (230 V)
- ▶ Low maintenance



BEKOMAT® 31

BEKOMAT® 32

Technical data	BEKOMAT® 31	BEKOMAT® 32
Art no.	2049049	2049053
Art no. (with 2.5m cable and angled plug)	2049057	2049058
Filter performance	m³/min	25
Operating pressure	bar	0.8 – 16
Compressor capacity	m³/min	2.5
Dryer performance	m³/min	5
Temperature	°C	1 – 60
Electrical connection	V	230

Service and maintenance kits can be found in the AIRCRAFT main catalogue!

¹⁾ These performance specifications apply to temperate climate zones (e.g. Central and Southern Europe, Central America). If required, please contact us for the compressor capacities for other climate zones. ²⁾ Max. Operating temperature at 65 °C, but if temperature is above 45 °C, performance may be affected

SPECIALLY TAILORED TO YOUR NEEDS



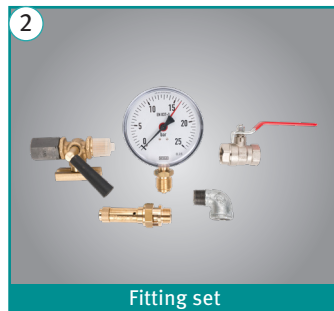
Model	A-K-MAX 7.5-10
Art. no.	2095404.2



Model	DB VZ 500/11 V
Art. no.	2500650

Galvanised tank

- ▶ Without fitting set
- ▶ 500 litres standing up
- ▶ Maximum pressure: 11 bar
- ▶ 690 x 640 x 1950 mm



Model	Fitting set for DB VZ 500/11 V
Art. no.	2500530

- ▶ Reducing nipple 1½"(AG) - ¾"(IG)
- ▶ Safety valve ¾" 10 bar
- ▶ 2 blind plugs 1¼"
- ▶ Reducing nipple 1"(AG) - ½"(IG)
- ▶ 2 pcs. elbow 90° ½" IG/AG
- ▶ Pressure gauge ½" 0-16 bar
- ▶ Blanking plug ½"
- ▶ Three-way ball valve ½"
- ▶ 2 pcs. ball valve 1¼" IG/AG
- ▶ Reducing nipple 1½"(AG) - ¾"(IG)



Model	AMD	AIED
Art. no.	2059080	2059075



Model	ACKL 0155B
Art. no.	2053012

- ▶ volume flow: 2557 l/min.
- ▶ Air connection: 1/2"
- ▶ max. operating pressure: 16 bar



Model	AFF 0078
Art. no.	2053232

AAF 0078 up to 0.1 μm

- ▶ volume flow: 1300 l/min.
- ▶ Air connection: 1/2"
- ▶ volume flow: 7 bar



Model	ANF 0078
Art. no.	2053432

ANF 0078 up to 0.01 μm

- ▶ volume flow: 1300 l/min.
- ▶ Air connection: 1/2"
- ▶ volume flow: 7 bar



Model	AAF 0078
Art. no.	2053532

AAF 0078 up to 0.005 mg/m³

- ▶ volume flow: 1300 l/min.
- ▶ Air connection: 1/2"
- ▶ volume flow: 7 bar





Condensate conditioner
for oil-water separation

Model	WOS 1
Art. no.	2058210

Model	WOS 2
Art. no.	2058220

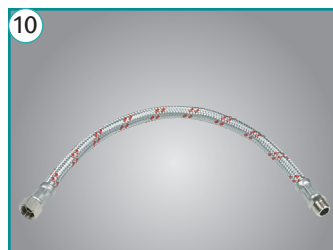
Model	WOS 8
Art. no.	2058240



Compressed air energy saver

Model	G1	G2
Art. no.	2150001	2150003

Energy saver
► Opens and closes automatically.
Pressure range 0 - 16 bar



Armoured hose

Model	Armoured hose 1/2" 1500 mm / 15 bar
Art. no.	25 07617

Model	Armoured hose 3/4" 1500 mm / 15 bar
Art. no.	2507625



Bypass

Model	Bypass 1/2"
Art. no.	2041700

Model	Bypass 3/4"
Art. no.	2041701



The water separator ④ for 98% pre-separation of the water is located directly after the screw compressor.

The compressed air then enters the pressure tank, ② which is equipped with a level-controlled condensate drain ③.

From the tank, it passes through the fine filter ⑤ into the compressed air refrigeration dryer ⑫. Depending on requirements, nanofilters ⑥ for separating the finest particles and/or activated carbon filters ⑦

for separating even oil vapours, odours and flavours.

Screw and piston compressors can also be combined in one system, to cover peak loads.

Our matching auxiliary compressors from the Airprofi BK series can be found in this catalogue.



Compressed air refrigeration dryer

Model	Refrigeration dryer AD 54
Art. no.	2041715

Refrigeration dryer AD 54
► Flow rate at 7 bar overpressure:
54 m³/h

Model	Refrigeration dryer AD 72
Art. no.	2041720

Refrigeration dryer AD 72
► Flow rate at 7 bar overpressure:
72 m³/h

Model	Refrigeration dryer AD 108
Art. no.	2041725

Refrigeration dryer AD 108
► Flow rate at 7 bar overpressure:
108 m³/h