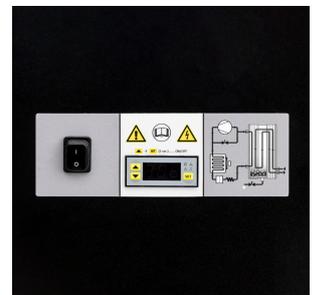




Compressed air dryer RDO 180 1 1/2" 3000 l/min "Zero-loss" automatic condensation drain

3900180-E



Product details

EAN	8712418423112
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	52 kg
Length (mm)	495 mm (4.95 dm)
Width (mm)	588 mm (5.88 dm)
Height (mm)	826 mm (8.26 dm)
SKU	3900180-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m ³ /h)	180
Connection type	Female
Voltage (V)	230 V / 50 Hz / 1 Ph
IP classification	IP65
Cooling air volume (m ³ /h)	700 m ³ /h (11.667 m ³ /min)
Refrigerant	R513A
Refrigerant weight (kg)	0.71
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	1.5
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	3000
Air flow at 7 bar (m ³ /h)	180 m ³ /h (3 m ³ /min)
Purity class - humidity (ISO 8573-1)	4
Air connection (")	1 1/2

Power (kW)	0.60
Maximum pressure (bar)	16
Pressure dew points (°C)	3

Description

RDO 180 refrigeration dryer 1 1/2" 3000 l/min 16 bar

RDO 180 1 1/2" 3000 l/min 16 bar refrigerant dryer is an advanced device designed for large pneumatic systems in industrial environments. Thanks to a stable PDP dew point of +5° Cand 3-stage drying system effectively eliminates moisture, protecting pneumatic installations against corrosion, deposits and failures. This reliable solution ensures long service life of the systems and their efficient and failure-free operation.

Key features

Class 4 Humidity Class: Meets the requirements of ISO 8573-1, providing high quality air.

3-stage dehumidification system: Ensures effective moisture separation and reheating of exhaust air, minimizing the risk of condensation.

Energy efficiency: Pre-cooling the intake air with dehumidified exhaust air optimizes energy efficiency.

Stainless steel heat exchanger: Guarantees resistance to moisture and corrosion even in difficult working conditions.

IP 68 protection class: Protection against moisture, water and dust ensures reliable operation in demanding environments.

Automatic condensate drain: The electronic system eliminates the risk of compressed air loss, ensuring continuous and maintenance-free operation of the device.

Applications

RDO 180 1 1/2" 3000 l/min 16 bar refrigeration dryer is an ideal solution for large industrial pneumatic systems. It is suitable for applications such as pneumatic transport, CNC machines, production lines and others systems requiring reliable air treatment.



Technical specifications

Model: RDO 180

Nominal flow: 3000 l/min

Maximum pressure: 16 bar

Dew point: +5°C

Ambient temperature range: 1°C – 45°C

Connection: 1 1/2"

Advanced dehumidification technology

The RDO 180 dehumidifier is equipped with a 3-stage heat exchanger which ensures an efficient drying process. The inlet air is pre-cooled with dry exhaust air, minimizing energy loss and increasing efficiency. The third phase of the process involves reheating the exhaust air, which eliminates the risk of water vapor condensing outside the installation. Additionally, the automatic condensate drain guarantees continuous operation and minimizes the need for operator intervention.

Ecological and durable solution

The RDO 180 dehumidifier uses R134a refrigerant and a heat exchanger made of stainless steel, which ensures high resistance to moisture and the risk of corrosion. Thanks to advanced technology, the device

effectively eliminates moisture, prevents the formation of deposits and rust, and increases the life of pneumatic systems, reducing operating and maintenance costs.

