



Compressed air dryer RDO 75 1" 1250 l/min "Zero-loss" automatic condensation drain

3900075-E



Product details

EAN	8712418423082
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	27 kg
Length (mm)	352 mm (3.52 dm)
Width (mm)	485 mm (4.85 dm)
Height (mm)	592 mm (5.92 dm)
SKU	3900075-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m3/h)	75
Connection type	Female
Voltage (V)	230 V / 50 Hz / 1 Ph
IP classification	IP65
Cooling air volume (m3/h)	350 m ³ /h (5.833 m ³ /min)
Refrigerant	R513A
Refrigerant weight (kg)	0.23
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	0.6
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	1250
Air flow at 7 bar (m3/h)	75 m ³ /h (1.25 m ³ /min)
Purity class - humidity (ISO 8573-1)	4
Air connection (")	1

Power (kW)	0.40
Maximum pressure (bar)	16
Pressure dew points (°C)	3

Description

RDO 75 1" refrigeration dryer 1250 l/min 16 bar

RDO 75 1" refrigeration dryer 1250 l/min 16 bar is a high-performance model dedicated to work in extensive pneumatic systems. Designed for production and industrial plants, it effectively eliminates moisture from compressed air even in changing conditions operation. Thanks to the stable PDP dew point +5°C it ensures high air quality, protecting the installations against corrosion and failures.

Key features

Class 4 Moisture Class: Meets ISO 8573-1 requirements for clean air.

3-stage dehumidification system: Includes post-heating of exhaust air, minimizing the risk of condensation.

Energy efficiency: The dehumidification process uses dry exhaust air to pre-cool, increasing efficiency.

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

IP 68 protection class: Water and moisture resistance ensures reliable operation in demanding environments.

Automatic condensate drain: Eliminates the risk of compressed air loss, ensuring continuous operation.

Applications

The RDO 75 1" 1250 l/min 16 bar refrigeration dryer is an excellent solution for industrial and workshop pneumatic installations. Its advanced design works well in applications requiring reliable air treatment in pneumatic transport systems and CNC machines or production plants.



Technical specifications

Model: RDO 75

Nominal flow: 1250 l/min

Maximum pressure: 16 bar

Dew point: +5°C

Ambient temperature range: 1°C – 45°C

Connection: 1"

Advanced dehumidification technology

The RDO 75 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, increasing efficiency and minimizing energy loss. The third phase involves reheating the exhaust air, eliminating the risk of condensation. The system has been enriched with an automatic condensate drain, ensuring maintenance-free and uninterrupted operation.

Ecological and durable solution

The device uses R134a refrigerant and a stainless steel heat exchanger, which ensures resistance to moisture and minimizes the risk of corrosion. Advanced features effectively eliminate moisture, protecting

pneumatic systems from deposits and rust. Regular drying increases the efficiency of systems and reduces service costs.

