



Compressed air dryer RDO 480 1 1/2" 8000 l/min "Zero-loss" automatic condensation drain

3900480-E



Product details

EAN	8712418423150
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	99 kg
Length (mm)	495 mm (4.95 dm)
Width (mm)	588 mm (5.88 dm)
Height (mm)	826 mm (8.26 dm)
SKU	3900480-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m3/h)	480
Connection type	Female
Voltage (V)	230 V / 50 Hz / 1 Ph
IP classification	IP65
Cooling air volume (m3/h)	1,100 m ³ /h (18.333 m ³ /min)
Refrigerant	R513A
Refrigerant weight (kg)	1.31
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	3.9
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	8000
Air flow at 7 bar (m3/h)	480 m ³ /h (8 m ³ /min)
Purity class - humidity (ISO 8573-1)	4
Air connection (")	1 1/2

Power (kW)	1.2
Maximum pressure (bar)	16
Pressure dew points (°C)	3

Description

RDO 480 refrigeration dryer 1 1/2" 8000 l/min 16 bar

RDO 480 1 1/2" 8000 l/min 16 bar refrigerant dryer is an advanced model designed for large industrial plants and pneumatic systems requiring efficient air treatment. The device reaches the dew point PDP +5°C and eliminates moisture from the compressed air, ensuring protection of the installation against corrosion, deposits and failures thanks to the 3-stage drying system, the device guarantees stability and efficiency in the most demanding conditions.

Key features

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

3-stage dehumidification system: Ensures effective cooling, moisture separation and reheating of exhaust air.

Energy efficiency: Minimizes energy loss by pre-cooling the intake air with dry exhaust air.

Stainless steel heat exchanger: Guarantees resistance to moisture and corrosion, ensuring long service life of the device.

IP 68 protection class: Protects against water, dust and moisture, enabling work in harsh industrial environments.

Automatic condensate drain: The electronic system eliminates the risk of compressed air loss and ensures uninterrupted operation of the device.

Applications

RDO 480 1 1/2" 8000 l/min 16 bar refrigerant dryer is an ideal solution for large industrial pneumatic systems. It is perfect for pneumatic transport systems, production lines, CNC machines and other applications requiring reliable air treatment.



Technical specifications

Model: RDO 480

Nominal flow: 8000 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 480 dehumidifier uses a 3-stage heat exchanger which ensures exceptional efficiency of the dehumidification process. Pre-cooling the inlet air with dehumidified exhaust air increases energy efficiency by reducing energy loss. The third phase of the process involves reheating the exhaust air, which eliminates the risk of condensation. The automatic condensate drain enables maintenance-free operation of the device, minimizing operating costs.

Ecological and durable solution

The RDO 480 dehumidifier uses R134a refrigerant and a heat exchanger made of stainless steel, which ensures high resistance to moisture and minimizes the risk of corrosion. Regular air drying protects

pneumatic installations against failures, extends their service life and reduces maintenance costs, contributing to the effective operation of pneumatic systems.

