



Compressed air dryer RDO 1500 2 1/2" 25000 l/min "Zero-loss" automatic condensation drain

3901500-E



Product details

EAN	8712418423204
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	290 kg
Length (mm)	662 mm (6.62 dm)
Width (mm)	856 mm (8.56 dm)
Height (mm)	1,534 mm (1.534 m)
SKU	3901500-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m3/h)	1500
Connection type	Female
Voltage (V)	400 V / 50 Hz / 3 Ph
IP classification	IP65
Cooling air volume (m3/h)	4,600 m ³ /h (1.278 m ³ /s)
Refrigerant	R513A
Refrigerant weight (kg)	5
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	12.2
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	25000
Air flow at 7 bar (m3/h)	1,500 m ³ /h (25 m ³ /min)
Purity class - humidity (ISO 8573-1)	4
Air connection (")	2 1/2

Power (kW)	2.7
Maximum pressure (bar)	16
Pressure dew points (°C)	3

Description

RDO 1500 refrigeration dryer 2 1/2" 25000 l/min 16 bar

RDO 1500 2 1/2" 25000 l/min 16 bar refrigerant dryer is an advanced model designed for complex pneumatic systems and large industrial plants. Thanks to PDP dew point +5° C and a 3-stage drying system, the device ensures effective moisture separation, protecting the installations against corrosion, deposits and downtime. The dryer is durable and efficient, which makes it an irreplaceable solution for the most demanding industrial applications.

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: Uses dehumidified exhaust air to cool incoming air, minimizing energy loss.

Stainless steel heat exchanger: Corrosion-resistant and durable even in harsh industrial environments.

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

Automatic condensate drain: The electronic system eliminates the need for manual operation and the risk of compressed air loss.

Applications

The RDO 1500 2 1/2" 25000 l/min 16 bar refrigerant dryer is an ideal solution for large pneumatic systems such as production lines, pneumatic transport systems, CNC machines and applications requiring stable and effective air dehumidification in industrial plants.



Technical specifications

Model: RDO 1500

Nominal flow: 25000 l/min

Maximum pressure: 16 bar

Dew point: +5°C

Ambient temperature range: 1°C – 45°C

Connection: 2 1/2"

Advanced dehumidification technology

The RDO 1500 dehumidifier uses a 3-stage heat exchanger which increases the efficiency of the drying process. Pre-cooling the inlet air with dehumidified exhaust air optimizes moisture separation and minimizes energy loss. Secondary heating of the exhaust air eliminates the risk of water vapor condensing in the installation. The automatic condensate drain enables maintenance-free operation, ensuring continuous operation of the device.

Ecological and durable solution

The RDO 1500 dehumidifier uses R134a refrigerant and a stainless steel heat exchanger, which ensures high resistance to moisture and corrosion. Regular drying of compressed air extends the life of the

installation, reduces maintenance costs and increases the reliability of pneumatic systems in the most demanding industrial applications.

