



Compressed air dryer RDO 2600 DN 100 43330 l/min "Zero-loss" automatic condensation drain

3902600-E



Product details

EAN	8712418423228
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	500 kg
Length (mm)	870 mm (8.7 dm)
Width (mm)	1,502 mm (1.502 m)
Height (mm)	1,888 mm (1.888 m)
SKU	3902600-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m3/h)	2600
Air connection (mm)	DN 100
Voltage (V)	400 V / 50 Hz / 3 Ph
IP classification	IP65
Cooling air volume (m3/h)	4,000 m ³ /h (1.111 m ³ /s)
Refrigerant	R513A
Refrigerant weight (kg)	11
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	16.1
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	43330
Air flow at 7 bar (m3/h)	2,600 m ³ /h (43.333 m ³ /min)
Purity class - humidity (ISO 8573-1)	4
Power (kW)	8

Maximum pressure (bar)	14
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Pressure dew points (°C)	3
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Description

RDO 2600 DN100 refrigeration dryer 43330 l/min 14 bar

RDO 2600 DN100 43330 l/min 14 bar refrigeration dryer is an advanced device designed for the largest industrial plants and extensive pneumatic systems. Equipped with a PDP +5°C dew point and a 3-stage dehumidification system, it ensures reliable moisture separation, protecting installations against corrosion, deposits and costly breakdowns. Thanks to its efficiency and durability, it is an ideal solution for the most demanding industrial applications.

Key features

Class 4 humidity class: Meets the requirements of ISO 8573-1, providing the highest quality air.

3-stage dehumidification system: Cools, separates moisture and reheats exhaust air, eliminating the risk of condensation.

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

Stainless steel heat exchanger: Guarantees corrosion resistance and durability in demanding industrial conditions.

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

Automatic condensate drain: The electronic system eliminates the risk of compressed air loss, ensuring continuous operation.

Applications

The RDO 2600 DN100 43330 l/min 14 bar refrigeration dryer is ideal for large pneumatic systems such as production plants, pneumatic transport systems and technological lines requiring reliable and stable drying of compressed air.



Technical specifications

Model: RDO 2600

Nominal flow: 43330 l/min

Maximum pressure: 14 bar

Dew point: +5°C

Ambient temperature range: 1°C – 45°C

Connection: DN100

Advanced dehumidification technology

The RDO 2600 dehumidifier uses a 3-stage heat exchanger which ensures exceptional efficiency of the drying process. Pre-cooling the inlet air with dehumidified exhaust air optimizes moisture separation and reduces energy consumption. Secondary heating of the exhaust air eliminates the risk of water vapor condensing in the installation, and the automatic condensate drain guarantees continuous operation of the device and minimizes operating costs.

Ecological and durable solution

The RDO 2600 dehumidifier uses R134a refrigerant and a stainless steel heat exchanger, ensuring 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 environments.

