



# Compressed air dryer RDO 380 1 1/2" 6333 l/min "Zero-loss" automatic condensation drain

3900380-E



## Product details

EAN	8712418423143
Manufacturer	Airpress Polska Sp. z o.o.
Weight (kg)	90 kg
Length (mm)	495 mm (4.95 dm)
Width (mm)	588 mm (5.88 dm)
Height (mm)	826 mm (8.26 dm)
SKU	3900380-E
Type	RDO
Control panel	Digital
Type condensation drain	Automatic "Zero-loss"
Air flow (m <sup>3</sup> /h)	380
Connection type	Female
Voltage (V)	230 V / 50 Hz / 1 Ph
IP classification	IP65
Cooling air volume (m <sup>3</sup> /h)	1,100 m <sup>3</sup> /h (18.333 m <sup>3</sup> /min)
Refrigerant	R513A
Refrigerant weight (kg)	1.20
Max. inlet air temperature (°C)	55 °C
Minimum ambient temperature (°C)	1
Maximum ambient temperature (°C)	45
Heat rejection (kW)	3.1
Noise level at 0 m dB(A)	>65
Air flow at 7 bar (l/min)	6333
Air flow at 7 bar (m <sup>3</sup> /h)	380 m <sup>3</sup> /h (6.333 m <sup>3</sup> /min)
Purity class - humidity (ISO 8573-1)	4
Air connection (")	1 1/2

Power (kW)	1.1
Maximum pressure (bar)	16
Pressure dew points (°C)	3

## Description

RDO 380 refrigeration dryer 1 1/2" 6333 l/min 16 bar

RDO 380 1 1/2" 6333 l/min 16 bar refrigeration dryer is an advanced model designed for large industrial plants. The device guarantees reliable drying of compressed air, eliminating moisture and protecting pneumatic systems against corrosion, deposits and failures. Thanks to the stable PDP dew point +5°C and 3-degree temperature drying system, the device ensures efficiency and safety of work in the most demanding environments.

Key features

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

3-stage dehumidification system: Includes pre-cooling, moisture separation and reheating of exhaust air, minimizing the risk of condensation.

Energy efficiency: The dehumidification process using dry exhaust air for inlet cooling increases efficiency and reduces energy consumption.

Stainless steel heat exchanger: Guarantees durability and corrosion resistance, even in difficult working conditions.

IP 68 protection class: Provides protection against moisture, water and dust, ensuring 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 380 1 1/2" 6333 l/min 16 bar refrigeration dryer is an ideal solution for extensive industrial pneumatic systems. The device is used in pneumatic transport systems, CNC machines, production lines and other applications , where air quality is crucial.



#### Technical specifications

Model: RDO 380

Nominal flow: 6333 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 380 dehumidifier is equipped with a 3-stage heat exchanger which ensures exceptional efficiency of the drying process. Pre-cooling the inlet air with dehumidified exhaust air increases energy efficiency by minimizing energy loss. The third phase involves reheating the exhaust air, eliminating the risk of condensation outside the system. The automatic condensate drain ensures continuous operation of the device, eliminating the need for manual operation.

#### Ecological and durable solution

The RDO 380 dehumidifier uses R134a refrigerant and stainless steel heat exchanger. This makes the device resistant to moisture and the risk of corrosion, ensuring a long service life of pneumatic systems.

Regular air dehumidification extends the life of the installation, minimizes maintenance costs and increases the efficiency of systems in any working environment.

