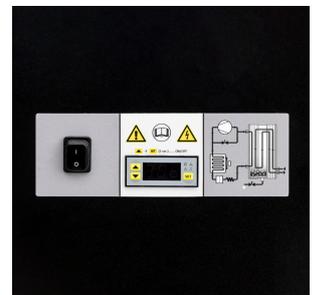




Compressed air dryer RDO 140 1" 2333 l/min "Zero-loss" automatic condensation drain

3900140-E



Product details

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| EAN | 8712418423105 |
| Manufacturer | Airpress Polska Sp. z o.o. |
| Weight (kg) | 50 kg |
| Length (mm) | 355 mm (3.55 dm) |
| Width (mm) | 550 mm (5.5 dm) |
| Height (mm) | 592 mm (5.92 dm) |
| SKU | 3900140-E |
| Type | RDO |
| Control panel | Digital |
| Type condensation drain | Automatic "Zero-loss" |
| Air flow (m ³ /h) | 140 |
| Connection type | Female |
| Voltage (V) | 230 V / 50 Hz / 1 Ph |
| IP classification | IP65 |
| Cooling air volume (m ³ /h) | 700 m ³ /h (11.667 m ³ /min) |
| Refrigerant | R513A |
| Refrigerant weight (kg) | 0.61 |
| Max. inlet air temperature (°C) | 55 °C |
| Minimum ambient temperature (°C) | 1 |
| Maximum ambient temperature (°C) | 45 |
| Heat rejection (kW) | 1.1 |
| Noise level at 0 m dB(A) | >65 |
| Air flow at 7 bar (l/min) | 2333 |
| Air flow at 7 bar (m ³ /h) | 140 m ³ /h (2.333 m ³ /min) |
| Purity class - humidity (ISO 8573-1) | 4 |
| Air connection (") | 1 |

| | |
|--------------------------|------|
| Power (kW) | 0.50 |
| Maximum pressure (bar) | 16 |
| Pressure dew points (°C) | 3 |

Description

RDO 140 1" refrigeration dryer 2333 l/min 16 bar

RDO 140 1" 2333 l/min 16 bar refrigerant dryer is an advanced model designed to work in demanding pneumatic systems. Designed for production and industrial plants, it effectively eliminates moisture from compressed air, ensuring reliability of the installation. Thanks to the stable PDP dew point +5°C and the 3-stage drying system, the device effectively protects pneumatic systems against moisture, deposits and corrosion.

Key features

Class 4 Humidity Class: Provides high-quality air compliant with ISO 8573-1.

3-stage dehumidification system: Includes secondary heating of exhaust air, eliminating the problem of steam condensation outside the pneumatic system.

Energy efficiency: Precooling the intake air with dried exhaust air increases efficiency and reduces energy loss.

Moisture resistance: Heat exchanger made of stainless steel guarantees durability and corrosion resistance.

IP 68 protection class: Full waterproofness and moisture resistance make the device suitable for demanding work environments.

Automatic condensate drain: The electronic condensate drain system eliminates the risk of compressed air loss and ensures maintenance-free operation.

Applications

The RDO 140 1" 2333 l/min 16 bar refrigerant dryer is an ideal solution for industrial pneumatic systems. It is perfect for applications such as pneumatic transport, CNC machines, production plants and other systems requiring reliable air treatment.



Technical specifications

Model: RDO 140

Nominal flow: 2333 l/min

Maximum pressure: 16 bar

Dew point: +5°C

Ambient temperature range: 1°C – 45°C

Connection: 1"

Advanced dehumidification technology

The RDO 140 dehumidifier is designed with a 3-stage heat exchanger which ensures exceptional dehumidification efficiency. The process of pre-cooling the inlet air with dehumidified exhaust air optimizes moisture separation and increases energy efficiency. Secondary heating of the exhaust air eliminates the risk of water vapor condensing outside the system, which guarantees stable and reliable operation of the device. Automatic condensate drain ensures continuous operation and minimizes the need for operator intervention.

Ecological and durable solution

The RDO 140 dehumidifier uses R134a refrigerant and a heat exchanger made of stainless steel, which

guarantees high resistance to moisture and minimizes the risk of corrosion. Advanced technologies effectively eliminate moisture, preventing the formation of deposits and rust in pneumatic systems. Regular air drying increases the life of the pneumatic system, reducing operating and service costs.

