

Adsorption dehumidifier type series DryQube

• DQ 700

Product description MS DryQube 700

Industrial-grade dehumidifier series for dehumidifying atmospheric air using powerful sorption rotors. In the basic version, suitable for indoor installation, housing made of galvanized sheet steel painted in RAL 7035. For increased requirements, the basic version is available in stainless steel.

Removable service panels facilitate cleaning, inspection and maintenance work. A technically advanced and energy-saving system allows for economically efficient and long-term operation. In addition, well thought-out detailed designs ensure minimal maintenance effort by the operator and service personnel. A service-friendly control cabinet integrated into the dehumidifier and equipped with standard components complements the overall concept and ensures maximum operational reliability.

With optionally available accessories, the DryQube series can also cover a wide range of performance levels in various fields of application.

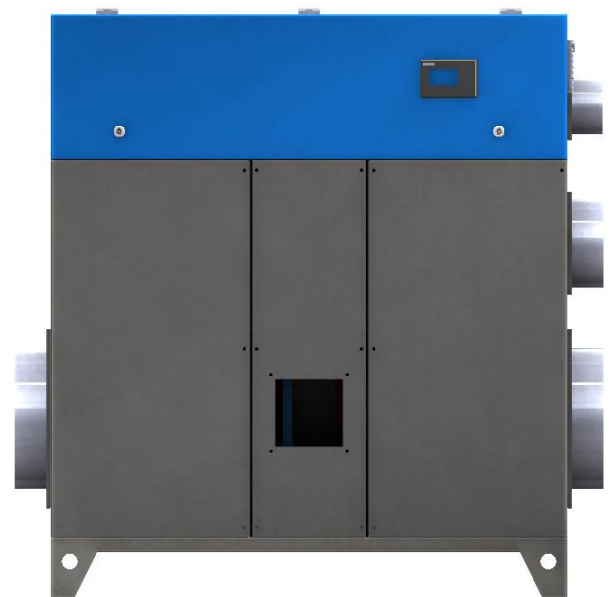
4,3 kg/h

Dehumidification performance*

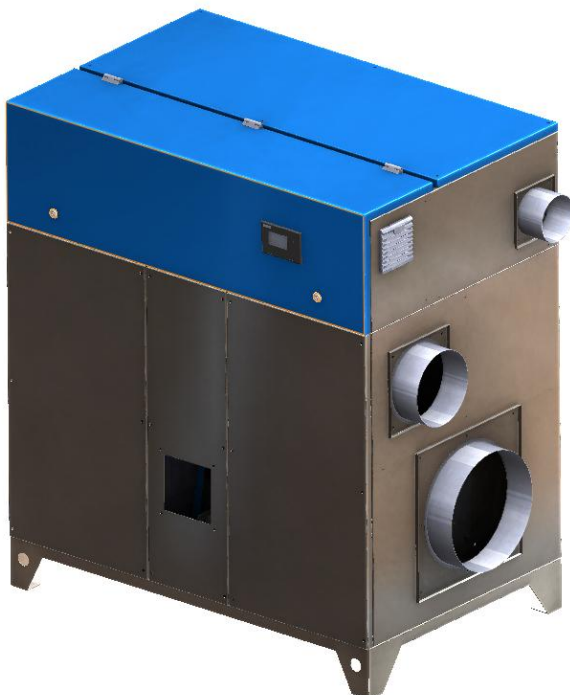
700 m³/h

Dry air volume flow*

*nominal data for 20°C, 60% r.F.



(Fig. DQ 700 in coated version)



Areas of application

Our high-performance adsorption dryers are used wherever conventional systems, such as condensation dryers are not sufficient to achieve the desired dehumidification performance or work uneconomically.

The adsorption principle we use allows much lower dew points and works extremely economically.

Adsorption dryers are used in particular in areas that require low humidity and continuous process conditions. In addition to ventilation, air conditioning and process air technology, these also include the construction industry, production facilities and storage rooms.

Other areas of application include:

- Automotive industry
- Chemical and pharmaceutical industry
- Electrical and semiconductor industry
- Food industry
- Defence technology
- Power generation
- Bulk Solids Production



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Standard equipment

- F5 Air Filter Process and Regeneration Air
- Filter monitoring process and regeneration air
- EC fans process and regeneration air
- Control Siemens LOGO
- Internal heat recovery
- Heating control by means of thyristors
- Overtemperature Safety System
- Potential-free contacts (operation, warning, malfunction)
- Location/remote operation

Technical data

Dehumidification performance (nominal)	kg/h	4,3
Moisture difference ΔX	g/kg	5,06
Dry air volume (nominal)	m ³ /h	700
External pressure(nominal)	Pa	400
Regeneration air volume (nominal)	m ³ /h	200
External pressure regeneration air (nominal)	Pa	400
Power rating	kW	8,1
Nominal current consumption	A	10,3
Electrical connection		400 V/ 50Hz
Recommended coverage		C16 / 16A
Weight in basic version	kg	230
L x B x H	mm	1150 x 750 x 1300
Maintenance clearance		1 x Device width
Noise level	dB(A)	<70

(nominal figures at 700m³/h; 20°C/60%RH/technical changes reserved)

Options/Accessories

- Additional booster fan
- Aftercooler process air
- Humidity control
- Stainless steel housing

Dimensions

