

## Adsorption dehumidifier type series DryQube

### • DQ 1000

#### Product description MS DryQube 1000

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.

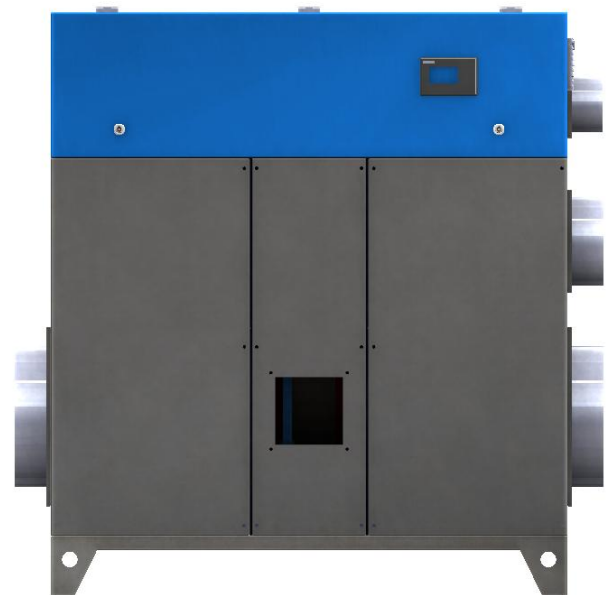
**8,0 kg/h**

Dehumidification performance\*

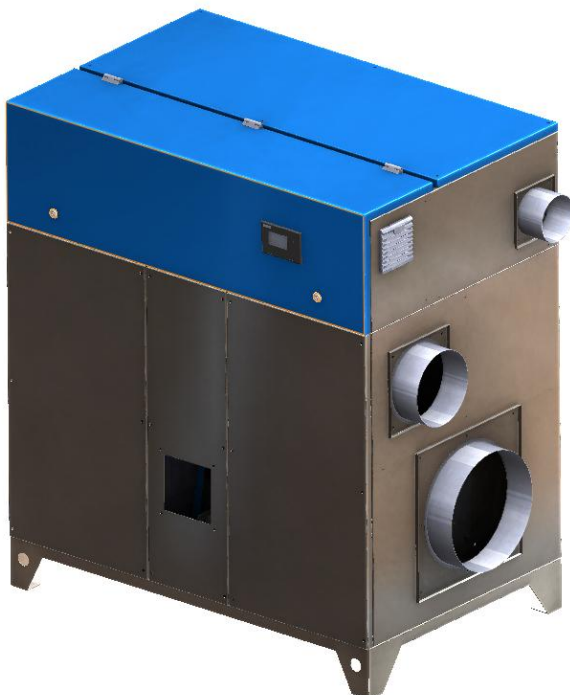
**1000 m³/h**

Dry air volume flow\*

\*nominal data for 20°C, 60% r.F.



(Fig. DQ 1000 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              | 8,0               |
| Moisture difference $\Delta X$               | g/kg              | 6,64              |
| Dry air volume (nominal)                     | m <sup>3</sup> /h | 1000              |
| External pressure (nominal)                  | Pa                | 400               |
| Regeneration air volume (nominal)            | m <sup>3</sup> /h | 360               |
| External pressure regeneration air (nominal) | Pa                | 400               |
| Power rating                                 | kW                | 13,7              |
| Nominal current consumption                  | A                 | 21,7              |
| Electrical connection                        |                   | 400 V/ 50Hz       |
| Recommended coverage                         |                   | C25 / 25A         |
| 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 1000m<sup>3</sup>/h; 20°C/60%RH/technical changes reserved)

#### Options/Accessories

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

#### Dimensions

