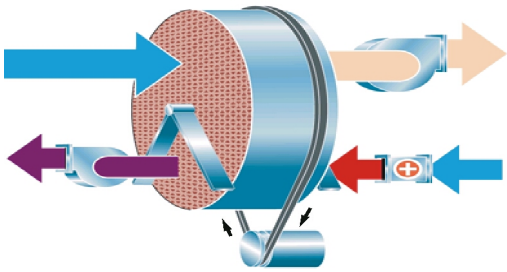
MCD
Dehumidifier

PRODUCT INFORMATION

MCD155

Features

- Efficient dehumidification between - 20°C and 40°C
- Electronic control panel – optimised running saves energy
- Control system with many possibilities
- Service indicator as standard



Product description

The MCD155 dehumidifier now includes many functions as standard that were often requested as options.
The MCD (Munters Configurable Dehumidifier) is using the temperature independent sorption principle based on HPS (High Performance SilicaGel) rotor as the dehumidification method. It works efficiently in a wide temperature range - 20°C and 40°C. For this reason the dehumidifier is suitable for a lot of different applications.

Low energy consumption and reliability were important targets in the development work. The new electronic control panel using a touch display offers a number of different energy saving opportunities including Variable Frequency Drive (VFD).

The MCD155 is equipped with a number of alarm functions to ensure a total control of the dehumidification process. The frame casing is made in corrosion resistant AluZink as well as the outer painted panels.

The MCD155 can be supplied with 3 different reactivation alternatives – electrical, steam and gas. A service indicator, activated when there is a need for a prevented service, is a standard feature. To make installation easier the process fan has round connections as standard, which allows for different outlet positions depending on installation requirements.

The electrical equipment conforms to EN 60204 (IEC204) standards. The electrical system is designed for voltages up to 415 V and an ambient temperature of up to 50 °C. The MCD series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

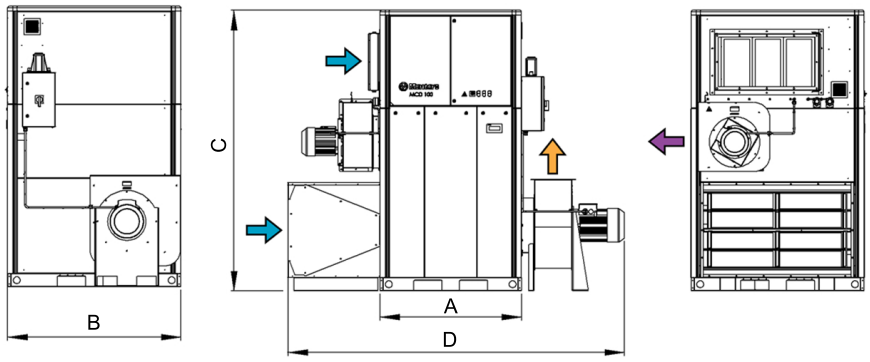
Munters desiccant rotors consist of corrugated composite material with highly effective moisture-adsorbing substances.

Munters

The Humidity Expert

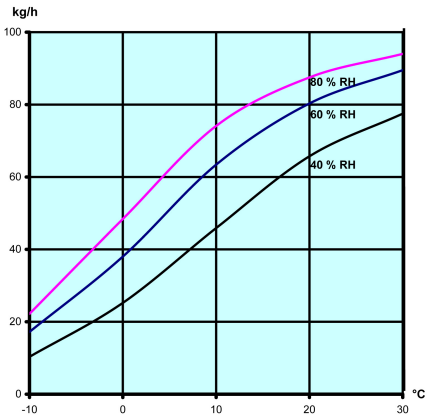
Model MCD155

Diagram measurements are for reference only.



Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity % RH



Width (A/D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1300/3090 mm	1590 mm	2575 mm	420x830 mm	665x304 mm	1072 kg

Technical Specification

IEC protective class (electrical panel)	IP33

Process air

Rated airflow (m³/h)	15300
Available static pressure (Pa)	300

Reactivation air

Rated airflow (m³/h)	3060
Available static pressure (Pa)	300

Total power, voltage and current (amps/phase)

Total power (kW) Electrical	117 (50Hz)
Total power (kW) Steam/Gas	15 (50Hz)
380V 3-50 Hz (A) Electrical	184
380V 3-50 Hz (A) Steam/Gas	29
400V 3-50 Hz (A) Electrical	175
400V 3-50 Hz (A) Steam/Gas	27
415V 3-50 Hz (A) Electrical	168
415V 3-50 Hz (A) Steam/Gas	26
Max steam working pressure (bar)	7
Steam consumption 3 bar (g/s)	48
Steam consumption 5 bar (g/s)	49

Miscellaneous data

Operating temperature (°C)	-20°C/40°C
Air filter standard	G4
IEC protective class (unit)	IP33

Options

- G4+F7 filterbox, panel filter
- F7 filterbox, panel filter
- Process fan with frequency control
- Sensors (RH, absolute humidity and low dew point)