

MG Series Desiccant Dehumidifier



Product Description

The MG50 desiccant dehumidifier is designed to efficiently dehumidify air. Its very compact construction incorporates sections held together by four bolts. The fan, desiccant rotor and reactivation heater are secured in fixed positions within their respective sections without utilizing additional attachments. One of the sections contains a distribution chamber with isolated sections that provide a precise balance for dehumidification and reactivation airflows. Its rugged casing is constructed from corrosion resistant die cast aluminium. The electrical control system conforms to EN 60204 (IEC204) standards and the electrical components are assembled in the upper compartment. MG Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

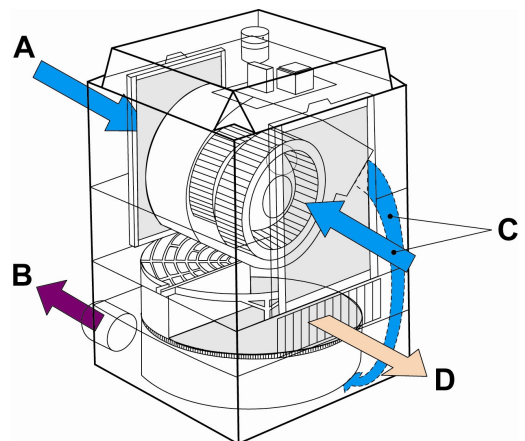
The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency. A characteristic of the MG Series rotor technology is an efficient air distribution chamber which divides the sectors and balances the dehumidification and reactivation airflows.

PRODUCT INFORMATION

MG50

Features

- Low weight –easy to carry
- High efficiency down to -20°C
- Robust and shock proof
- Easy to service
- Wall mounted possible
- Humidistat socket

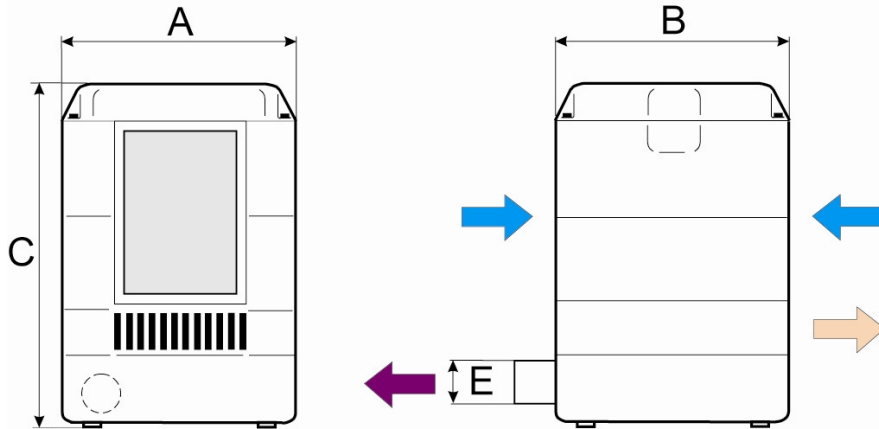


- A. Reactivation air
- B. Wet air
- C. Process air
- D. Dry air

Model MG50

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available from Munters.



Width (A)	Depth (B)	Height (C)	Diam. (E)	Weight
275 mm	275 mm	388 mm	48 mm	10 kg

Technical Specification

Process Air

Freeblowing at 50Hz (m ³ /h)	80
Freeblowing at 60Hz (m ³ /h)	85
Rated airflow (m ³ /h)	50
Available static pressure 50Hz (Pa)	100
Available static pressure 60Hz (Pa)	120

Reactivation air

Rated airflow (m ³ /h)	12
Available static pressure (Pa)	50

Total power, voltage and current (amps/phase)

Total power(kW)	0,440
115V 1-50/60Hz (A)	3,8
200V 1-50/60Hz (A)	2,2
230V 1-50/60Hz (A)	1,9
240V 1-50/60Hz (A)	1,8

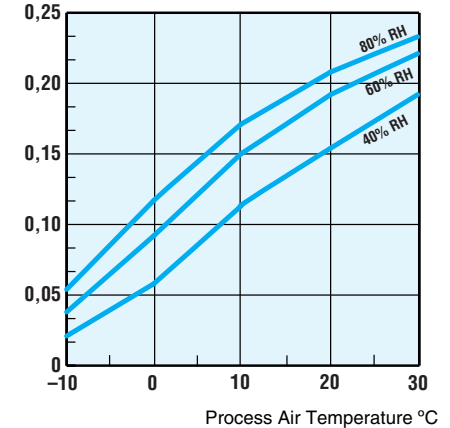
Miscellaneous Data

Operating temperature (°C)	-20/+40
Max. noise level, all ducts connected (dba)	48
Air filter standard	G3
IEC protective class (unit)	IP44
IEC protective class (electrical panel)	IP54

Dehumidification Capacity

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

Dehumidification capacity, kg/h



Options

MG Series dehumidifiers are always delivered complete with hose for wet air.

- Accessory kit including:
 - Connection pieces for process air and reactivation air
 - Connection piece for dry air
 - Wall pipe
- Wall bracket
- Electromechanical humidistat RH4000
- Humidistat RH15

AUSTRALIA
Tel +61 2 8843 1588
CHINA
Tel +86 10 804 18000
INDIA
Tel +91 20 668 18 900
NETHERLANDS
Tel +31 172 43 32 31
SWEDEN
Tel +46 8-626 6300
UNITED KINGDOM
Tel +44 1480 432 243

AUSTRIA
Tel +43 1 6164298-0
DENMARK
Tel +45 4495 3355
ITALY
Tel +39 0183 521377
POLAND
Tel +48 58 305 35 17
SWITZERLAND
Tel +41 52 3438886
UNITED STATES
Tel +1 978 241 1100

BELGIUM
Tel +32 2 240 68 68
FINLAND
Tel +358 20 776 8230
JAPAN
Tel +81 3 5970 0021
SINGAPORE
Tel +65 6744 6828
THAILAND
Tel +66 2 642 2670-3
VIETNAM
Tel +84 8 825 6838

BRAZIL
Tel +55 41 3317 5050
FRANCE
Tel +33 1 3411 5757
KOREA
Tel +82 2 761 8701
SOUTH AFRICA
Tel +27 11 997 2000
TURKEY
Tel +90 262 751 3750

CANADA
Tel +1 905 8585894
GERMANY
Tel +49 40-879690-0
MEXICO
Tel +1 52 722 270-4029
SPAIN
Tel +34 91 640 09 02
UNIT. ARAB EMIRATES
Tel +971 4 8809295

www.munters.com

