

## MG-90



## MG-90 Desiccant Dehumidifier

### ADVANTAGES

- Efficient humidity control down to  $-5^{\circ}\text{F}$
- Compact and lightweight - easy to carry
- Durable cast aluminum construction
- High static pressure with simple ductwork connection

# MG-90

## Desiccant Dehumidifier

Munters off-the-shelf desiccant dehumidifiers combine state-of-the-art desiccant technology with dependability and long operating life for humidity control at virtually any temperature.

**Process air:** Flow rates of 30-50 SCFM. Nominal moisture removal: 0.75 lb/hr at  $75^{\circ}\text{F}$ , 50% RH at 50 SCFM. Capable of processing saturated, conditioned or outside air.

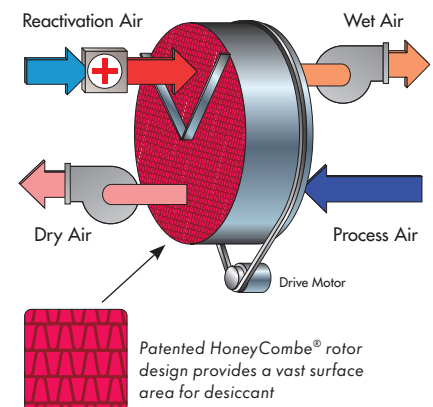
**Contact air seals:** Separate process and reactivation air streams minimize leakage and improve performance.

**Electrical controls:** Automatic restart after power failure. Simplified controls using relay logic. 24 VAC signal wiring allows for low voltage wiring of humidistat (option). Control system monitors and controls unit function.

**Drive system:** Simple drive belt arrangement, few moving parts.

**Reactivation utility:** Includes electric heater and reactivation fan.

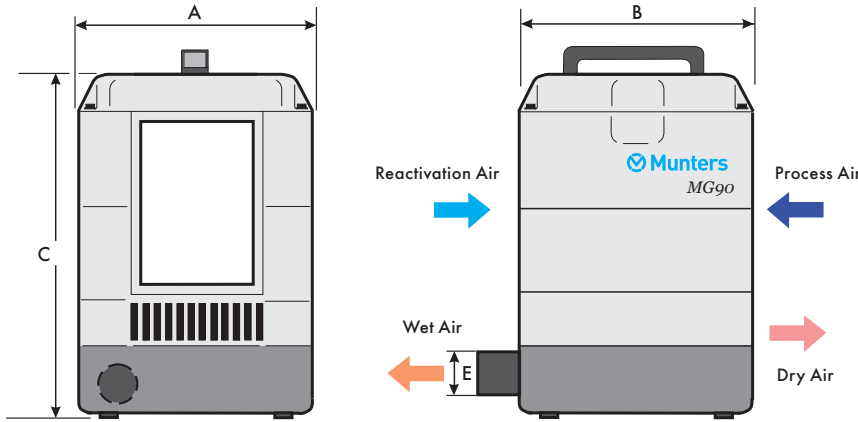
**Dehumidifier housing:** Blower motors and controls isolated from air streams. Process and reactivation fan guards provided for safety. Cast aluminum cabinet. Compact size for minimum space requirements and easy installation. Wall mount option available.



*In the 1950's Munters invented modern industrial dehumidification when it introduced the self-regenerating desiccant rotor, the heart of the dehumidifier.*

*Today, Munters offers rotors with multiple desiccant formulations and is the acknowledged expert in the integration of rotors into dehumidification systems and air handlers.*

# Model MG-90



A	B	C	E	
Max Width (in)	Max Depth (in)	Max Height (in)	Diameter (in)	Max Weight (lb)
11	11	15.5	1.9	23

Note: Diagram measurements are for reference only.

## Suggested Specification Guide

Dehumidifier shall be of the Honeycombe® desiccant wheel type capable of continuous operation in ambient temperatures ranging from -5°F to 105°F. Desiccant wheel shall have the Honeycombe® structure with the desiccant impregnation of the wheel of such quality that the process and reactivation process can be efficiently performed, while in continuous operation without replenishment or replacement of the desiccant required for 30,000 hours or more under normal operating conditions.

The Honeycombe® desiccant wheel shall be positioned within the dehumidifier casing so as to allow for the smallest and lightest weight equipment design per 30-50 SCFM (standard cubic feet per minute) of delivered process air flow. Unit shall be energy efficient with total connected load not to exceed 0.74 kW. Unit shall be shipped complete with reactivation heaters, filters, motors, fans, desiccant wheel drive unit and electrical controls. The filters for process air and reactivation air shall be easily accessible without using tools.

Dehumidifier casing shall be constructed of cast aluminum for maximum strength, durability and corrosion resistance. Dehumidifier shall be capable of removing moisture from the air at various conditions. Equipment shall not employ chlorofluorocarbons which may pose an environmental threat to the ozone layer. Equipment shall have a one year warranty.

\*Continual engineering and research for product improvement may result in design and specification changes. Consult factory for certified technical data.

## Technical Specifications\*

### Utilities:

Total Power (kW)	0.74
115V/1/60Hz	6.5
200V/1/60Hz	3.7
230V/1/60Hz	3.2
240V/1/60Hz	3.1

### Process air:

Rated airflow (SCFM)	50
Available static pressure	0.48" w.g.

### Reactivation air:

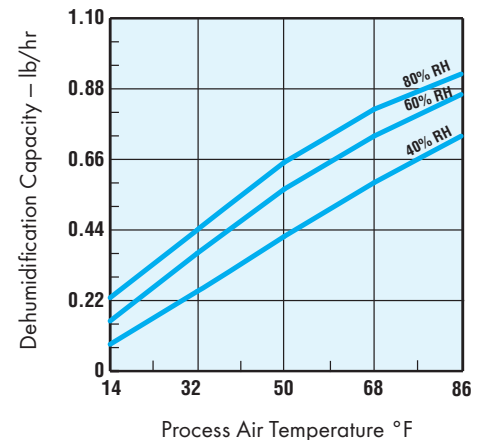
Rated airflow (SCFM)	10
Available static pressure	0.40" w.g.

### Miscellaneous data

Operating temperature (°F)	-5/105
Max noise level unducted (dBA)	56

## Dehumidification Capacity

Approximate capacity in lb/hr at different inlet process air Relative Humidity (% RH). For more detailed information, please contact a Munters representative.



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