

CARGOCAIRE

MODEL DEW 50



MOBILE DEHUMIDIFIER

ADVANTAGES

Munters combines state-of-the-art desiccant technology with dependability and long operating life for humidity control at virtually any temperature. Dry air protection improves readiness, reduces maintenance costs, improves diagnostics, reduces HAZMAT and increases productivity.

With dehumidification, the following problems are eliminated in thousands of military applications:

Electronic Failures: Advanced electronics are extremely sensitive to moisture. Dehumidification eliminates moisture formation, precluding downtime and malfunction.

Corrosion: With dehumidification, moisture that causes rust and corrosion can not condense on surfaces.

Diagnostic "Ghosts": Moisture is the leading cause of diagnostic "ghosts." Using dehumidification protection greatly reduces their occurrence.

Mold and Mildew: Dry air keeps surfaces moisture free and stops the problem before it can start.

FEATURES

Process Air: Flow rates of 30-50 scfm. Nominal moisture removal: 24 lbs/24 hour at 83°F.

Utilities: 115V/1 Phase 60Hz. Power required: 0.74kW; reactivation heater: 0.65kW.

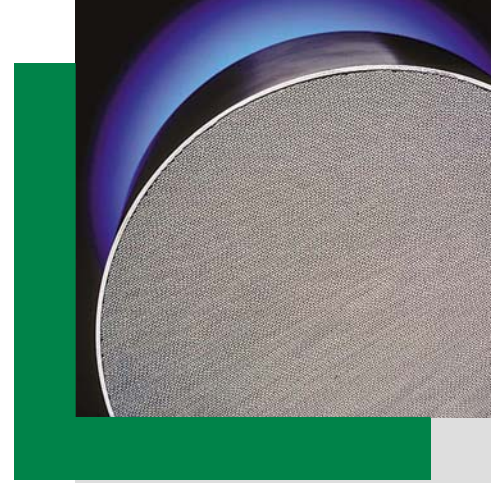
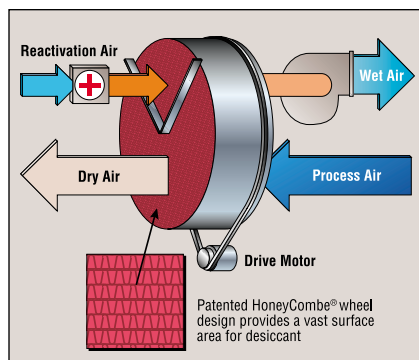
Electrical Controls: Socket for humidistat plug-in provided.

Drive System: Desiccant rotor with belt drive.

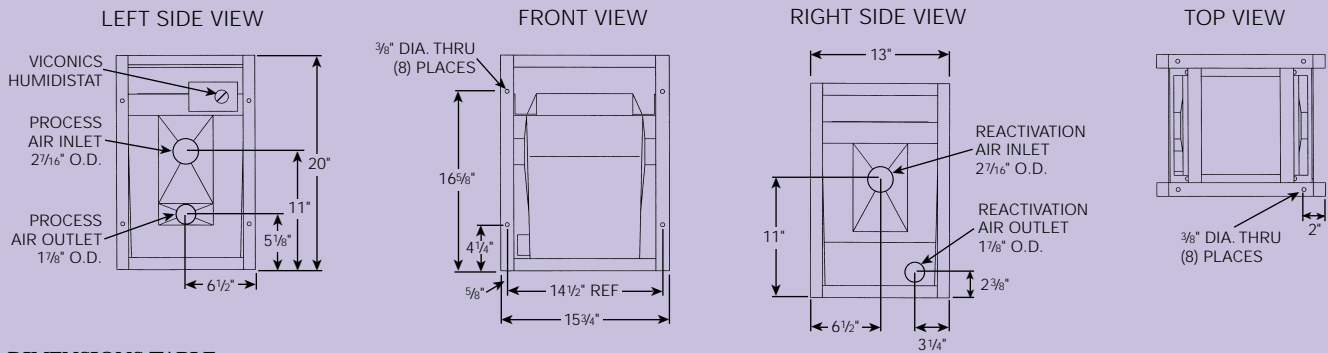
Reactivation Utility: Energy modulation independently controls heater power to limit energy consumption.

Built Tough: Rugged die-cast heavy aluminum casing.

Easy to Maintain: Filters change without tools and disconnections.



MODEL DEW 50 TURNKEY CONFIGURATION



DIMENSIONS TABLE

Model	Max Length (in.)	Max Width (in.)	Max Height (in.)	Max Weight (lbs.)	Typical External Static Pressures (in. W.G.)	
					Process	React
DEW 50	10 3/4	10 3/4	15 1/4	22	.44	.40
DEW 50 TURNKEY CONFIGURATION	15 3/4	13	20	35	.44	.40



DEW 50: TURNKEY CONFIGURATION

With the DEW 50 turnkey option, you get a rugged, easy-to-install dehumidifier ready to provide dependable dehumidification solutions for a wide range of applications. Protects both operating systems or components and parts in storage. It offers these advantages:

Protective Cage: (Optional)

Contained in a damage resistant steel cage, the unit bolts directly on to walls, ceilings or floors.

Automatic Function: Humidistat with on/off function, provides both automatic control of desired humidity levels and economical operation.

Round Duct Transitions: Standard duct work easily connects to direct dry air to areas of concern.

Many Applications: The turnkey configuration is ready to use and easily installed in combat vehicles, ISU and ISO containers, electronic shelters, ground-based radar systems, arms rooms and small supply spaces, or where electronics are housed or transported.

SPECIFICATIONS

Utilities: DEW 50 = 115 V/1 Phase/60Hz

Process Volume: 50 scfm

Max Reactivation Volume: 10 scfm

Max Reactivation Heater: 0.65 kW

Max dBA: 70 or less (3 feet from dehumidifier except in path of air flows)

Features:

- Electronic humidistat for on/off control
- Process inlet and outlet transitions for round duct
- Reactivation inlet and outlet transitions for round duct
- Protective steel cage with universal mounting provisions

Suggested Specification Guide:

Dehumidifier shall be of the Honeycombe® desiccant wheel type capable of continuous operation in ambient temperatures ranging from -40°F to 120°F. Desiccant wheel shall have a 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 (scfm) of delivered process air flow. Fully assembled overall dimensions shall not exceed 10.75" (l) X 10.75" (w) X 15.25" (h) and 22 lbs; or if turnkey configuration: 15.75" (l) X 13" (w) X 20" (h) and 35 lbs. Unit shall be energy efficient with total connected load not to exceed .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 aluminum for maximum strength, durability and corrosion resistance. Unit shall be painted blue with a polyurethane-based coating conforming to MIL-C-46168 or MIL-C-53039. 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. Packaging and preservation is commercial. Equipment shall have a one year warranty.

CARGOCAIRE

ISO 9001 CERTIFIED

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