MANUFACTURING PROCESS APPLICATIONS

Achieve Higher Production Quality, Lower Operating Costs and Reduce Waste.

Gain greater control of your production processes with our Multiple Small Plate (MSP®) Industrial Production Dehumidifiers. Our ultra-efficient systems provide the critical dry, stable environment needed to produce better quality, cut waste and improve cost efficiency. Our dehumidifiers are perfect for challenging applications such as blow-molding where chilled mold surfaces are exposed to ambient conditions. If humidity is not tightly controlled, condensate forms, resulting in water marks on the plastic product. Uncontrolled humidity can also lead to increased operational cycle times.

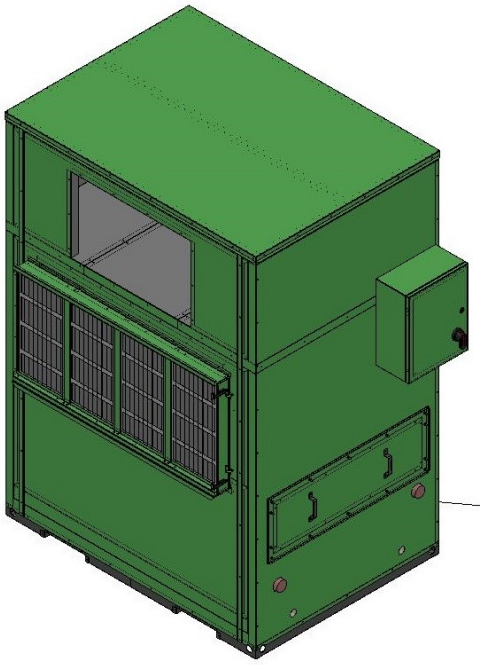
Our units have addressed these challenges in some of the largest molding facilities in the industry. In addition, our units can optionally use chilled water as the dehumidification cooling source, greatly simplifying the installation.

Additional applications include paper and pulp production, powder blending, battery manufacturing, drying and curing, packaging, food processing, and precision instruments.

Key Benefits & Features

- ***Reduce production cycle time***
- ***Cut waste and QC costs***
- ***Creates dry, stable environment***
- ***Reliable*** Simple Technology, No Moving Parts, Low Maintenance
- ***Performs*** Delivers consistent low dew-point temperatures
- ***Sanitary*** Full Draining, No Standing Water
- ***Efficient*** Cuts dehumidification operating costs by up to 50%
- ***Fast ROI*** Lower capital costs, Competitively priced
- ***Versatile*** Chilled Water and Refrigerant units
- ***Flexible*** Horizontal, Vertical and Modular configurations for uses with space or access issues
- ***Cutting-edge control systems***

NAUTICA DEHUMIDIFIER WITH MSP®TECHNOLOGY



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MANUFACTURING PROCESS APPLICATIONS

ABOUT MSP® TECHNOLOGY

MSP Technology is offered in a wide range of super-efficient, industrial grade equipment. Designed specifically for green applications, MSP products are engineered for high performance, guaranteed.

Feature Highlights

High Efficiency

Cuts dehumidification operating costs by up to 50%

Low Maintenance

Direct Drive Fans, No belts and pulleys to adjust

No moving parts in airstream (except fan)

Versatile

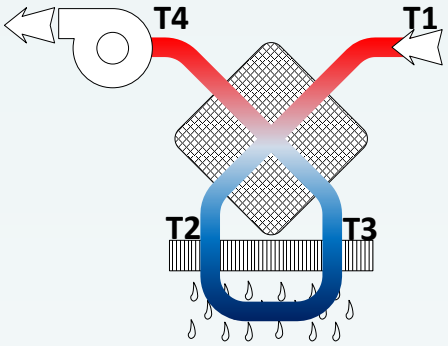
Horizontal or Vertical configurations

chilled water or refrigerant

Sanitary

Full Draining, no standing water

ABOUT MSP® AWG AND DEHUMIDIFICATION TECHNOLOGY



STEP 1 Warm, humid incoming air (T1)flows through the first pass of the plate type air-to-air heat exchangers for pre-cooling and initial dehumidification. This is accomplished by regenerative thermal exchange with the cooler air that is leaving the heat exchanger. (see step 3)

***Advantage**: Pre-cooling and dehumidification by regenerative thermal exchange are "free" and involve no additional equipment.*

STEP 2 Pre-cooled air (T2) then passes twice over conventional cooling coils for final cooling and dehumidification.

***Advantage:** Pre-cooled and pre-dehumidified air can be treated much more efficiently, using smaller compressors that require as little as one-half the power.*

STEP 3 The cool, dehumidified air (T3) is then drawn back through the opposite side of the heat exchanger where it absorbs some heat from incoming air (see step 1) and continues on to the building's HVAC system.

***Advantage:** No heating coil—and no energy penalty—needed to reheat the dehumidified air before it enters the conditioned environment.*

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