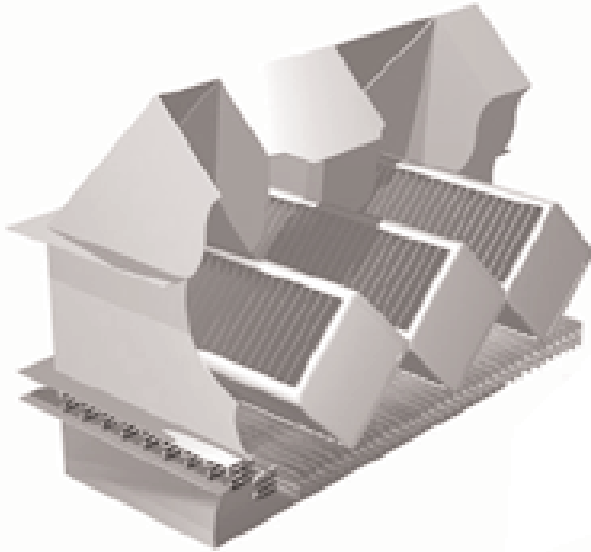


A climate of innovation™



MSP™ Technology



Multiple Small Plate (MSP™) Technology Cuts Energy Costs Up To 50%

Nautica offers the energy savings and lower capital costs of super-efficient Multiple Small Plate (MSP™) technology in complete packaged dehumidifying systems. They are available in air handling systems or fanless modules, and can be configured for rooftop or floor-standing installations.

Each unit is custom-built to meet the specific requirements of your application. Standard capacities range from 500 to 25,000 CFM and up.

Applications

- Food and Drug Manufacturing
- Auditoriums & Theaters
- Hospitals & Health Care
- Health Clubs & Indoor Pools
- Libraries & Archives
- Schools & Universities

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ENGINEERING:
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Lower Costs, Higher Performance Are Built In

Now you can dramatically reduce the cost of improving indoor air quality in even the most demanding environments. With Nautica's super-efficient Multiple Small Plate (MSP™) dehumidifying technology, smaller, energy-saving compressors and HVAC system components may be used.



Custom Built To Meet Your Specific Application

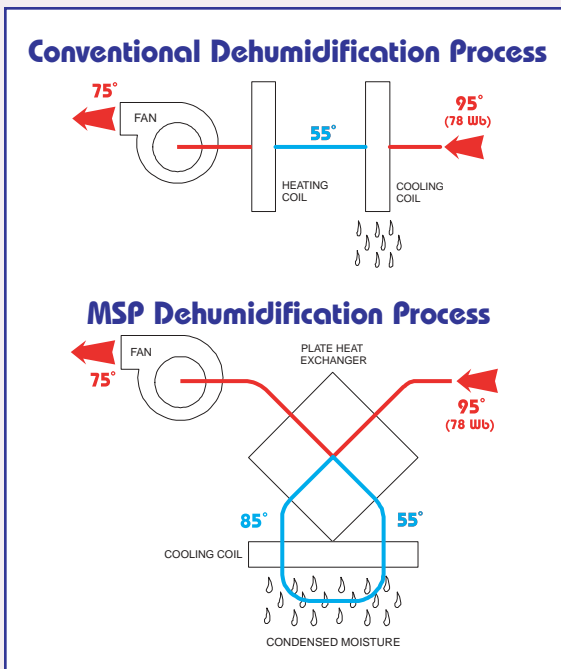
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MSP™ Technology— Super-Efficient By Design

Nautica offers super-efficient MSP dehumidifying equipment that provides every benefit that engineers and building owners could ask for:

- Up to 50% lower energy costs
- Low pressure drop
- Lower life-cycle costs, fast ROI
- Low operating & maintenance costs
- Reduced space requirements
- Compatibility with existing equipment

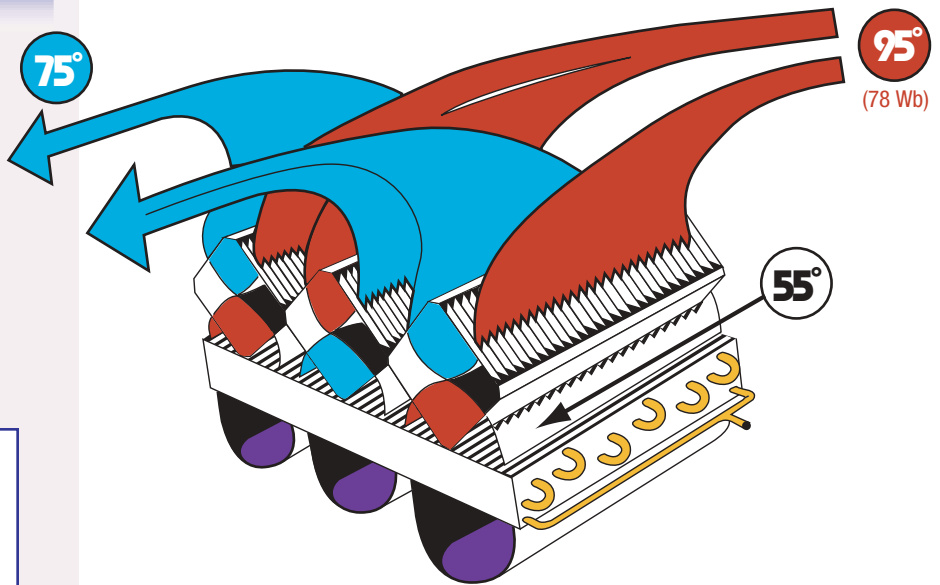


Compared to competing designs, MSP dehumidification technology achieves the highest possible dehumidification capacity per unit of energy consumed with the lowest air pressure drop. The difference is in the plate heat exchanger, not exotic materials or additional machinery. Like conventional systems, MSP uses ordinary refrigeration or chilled water for cooling. However, air enters the cooling coil already pre-cooled and dehumidified, requiring a smaller coil and compressor to accomplish the same amount of work.

How MSP™ Dehumidification Technology Works

1. Warm, humid incoming air 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.

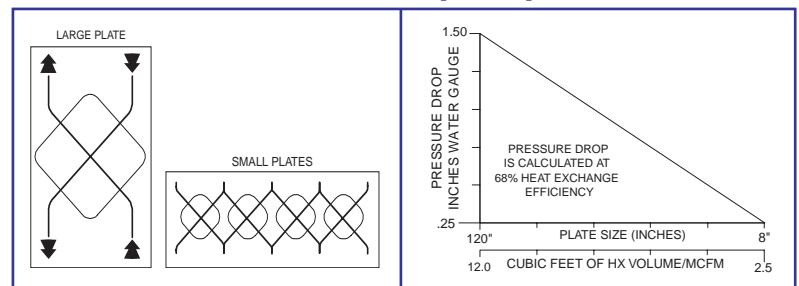


Exclusive MSP™ Technology—Super-Efficient By Design

2. Pre-cooled air then passes twice over conventional cooling coils for final cooling and dehumidification.
3. The cool, dehumidified air is then drawn back through the opposite side of the heat exchanger where it absorbs 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 re-heat the dehumidified air before it enters the conditioned environment.

Size & Pressure Drop Comparison



Dehumidification Applications Suited For Your Needs

Food and Drug

- Pharmaceutical Manufacturing
- Biomedical Laboratories
- Mushroom Farms
- Candy Production
- Food Processing
- Supermarkets
- Restaurants
- Bakeries

Electronics

- Semiconductor Manufacturing
- Clean Rooms

High Occupancy Spaces

- Fresh Air Pre-Treatment
- Department Stores
- Auditoriums
- Theaters
- Schools

Cleaning and Restoration

- Water Damage
- Fire Restoration

Health and Fitness

- Whirlpools and Spas
- Indoor Ice Rinks
- Exercise Rooms
- Locker Rooms
- Indoor Pools
- Gymnasiums

Medical

- Nursing Homes
- Allergy Control
- Hospitals

Nautica Provides Systems for Makeup Air and Indoor Air Dehumidification

Our makeup air dehumidification systems are designed to deliver air to a building at or below the desired humidity. In this way, the effect of humid outdoor air is neutralized.

Nautica's indoor dehumidification air systems, on the other hand, are typically designed to remove a specific amount of moisture from the recirculated air stream. This moisture might be equal to the amount of moisture infiltrating the space from outdoors or generated from indoors.

See the provided information on these systems.



Supermarkets check out energy savings up to 12%



A short course in how schools can breathe better



Staying warm and dry while you get wet

>>> More on back

Dehumidification Applications Suited For Your Needs (continued)

Preservation

- Printing and Paper Storage
- Dry Storage Warehouses
- Film Storage
- Museums
- Libraries
- Archives

Utilities

- Waste Water Treatment Plants
- Emergency Generator Rooms
- Telecommunications Centers
- Switching Stations
- Pumping Stations
- Sanitation Plants
- Power Plants
- Well Houses

Mold and Mildew Control

- Underground & Crawl Spaces
- Hotels / Motels
- Basements

Manufacturing Process

- Paper and Pulp Production
- Battery Production
- Powder Blending
- Plastic Molding
- Product Drying
- Packaging

Comfort

- High-End Residences

Other

- Zoos and Kennels
- Greenhouses



Keeping those archives preserved at a library



Hospitals require dehumidification



Creating an ideal environment for a clean room



Keeping the humidity under control in a greenhouse

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