

INSTALLATION INSTRUCTIONS

UNPACKING AND INSTALLATION

UNPACKING

- Remove the components from the shipping container; be careful not to bump or scrape the PVDF insulating material on the dispersion tubes.
- Rapid-sorb® dispersion panels are shipped unassembled. Do not lay loose insulated dispersion tubes across or under anything that could compress or damage the insulating material.
- Avoid bumping or snagging the PVDF insulating material. Rough handling can cause rips, which could negatively impact performance.

INSTALLATION

See the Rapid-sorb section of your specific humidifier manual.

After installation of the tubes and before start-up, remove the clear poly film by tearing it along the perforation. Do not use a knife or sharp object to remove the poly film.

RETROFITTING AN EXISTING RAPID-SORB

Before you begin, shut off steam to the system, and let all hot surfaces cool. See the Warning at right.

REMOVE THE UNINSULATED TUBES WHEN COOL TO THE TOUCH

1. Remove the bolts that fasten the L-bracket or Z-bracket to the duct (see Figure 2-2).
2. Remove the bracket, and pull the tubes off the header.

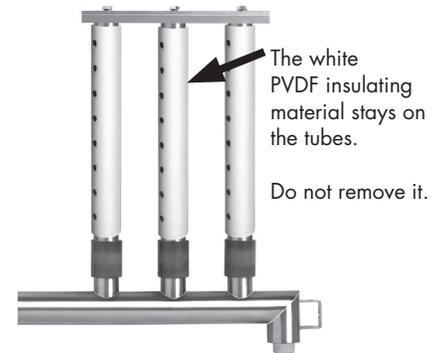
INSTALL THE HIGH-EFFICIENCY TUBES

NOTE: Retrofit high-efficiency tubes are shipped with replacement couplings (see Figure 2-1) and a new L-bracket.

1. Install the high-efficiency tubes on the header.



FIGURE 1-1: RAPID-SORB PVDF INSULATING MATERIAL



Caution!

High-efficiency tubes are sleeved in clear poly film for protection during processing, shipping, and installation.

To prevent dirty insulating material, leave the clear poly film on until installation is complete.

Equally important, remove and discard the clear poly film before start-up by tearing it along the perforations.

Warning!

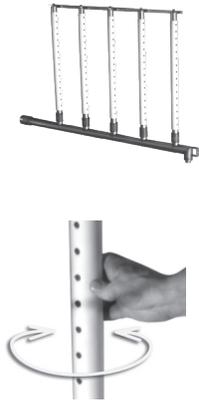
Steam humidification systems have extremely hot surfaces.

To avoid burns, allow humidifier, steam pipes, and dispersion assembly to cool before touching any part of the system.

More on the next page »

RETROFITTING AN EXISTING RAPID-SORB (CONTINUED)

1. Install the new L-bracket, making sure its flange is upstream of the dispersion tubes.
2. Rotate the dispersion tubes to point the tubelets across (perpendicular to) the airstream.
3. Fasten the L-bracket to the duct.



CARING FOR THE INSULATING MATERIAL

- If the insulating material gets torn, repair the tear with our Insulating Material Repair Kit before dispersing steam or moving air through the air handler to prevent further damage. This kit uses PVDF as repair material, do not use other adhesives or repair methods.
- If the insulating material gets dirty or smudged, gently clean it with a damp cloth and a solution of soapy water or a diluted non-toxic, biodegradable cleaner/degreaser.
- Do not clean the insulating material with a pressure washer. The direct spray could cause damage.
- If using a torch in the vicinity of the dispersion panel, keep the flame away from the insulating material to avoid damage.
- PVDF is resistant to UV light. Indirect, low-intensity UV-C light from germicidal lamps will not cause the insulating material to degrade.
- Do not tighten mounting clamps or fasteners to any part of the dispersion tube.

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www.dristeem.com

U.S. Headquarters:
14949 Technology Drive
Eden Prairie, MN 55344
800-328-4447 or 952-949-2415
952-229-3200 (fax)

Continuous product improvement is a policy of DriSteem; therefore, product features and specifications are subject to change without notice.

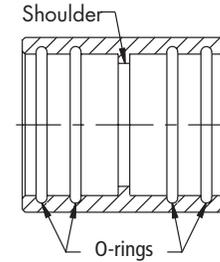
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FIGURE 2-1:
DISPERSION TUBE SLIP COUPLINGS



OM-238-6

For more information
Rapid-sorb dispersion assemblies are shipped with installation instructions. See the Rapid-sorb section of the manual shipped with your humidifier.

For instructions on the High-efficiency Tubes Options for Ultra-sorb, see the Ultra-sorb® Models LV and LH Installation, Operation, and Maintenance Manual.

FIGURE 2-2:
BRACKETS

L-bracket,
(shown with air flow from left)



Z-bracket (older systems)

