

INTEGRITY'S CRYO VAPOR SHIELD

COLD & CRYOGENIC APPLICATIONS



Always wear appropriate PPE (personal protective equipment) which conforms to applicable work safe standards.

TOOLS REQUIRED



TIN SNIPS



SILICONE SEALANT



TAPE

1



STEP 1

For Existing Systems:

Before removal, label all existing jacketing, bands, and fittings for traceability. Carefully remove jacketing, bands, sealants, and fasteners without damaging the insulation or vapor barrier. Inspect exposed areas for damage, moisture intrusion, or CUI, and repair or replace as required.

2

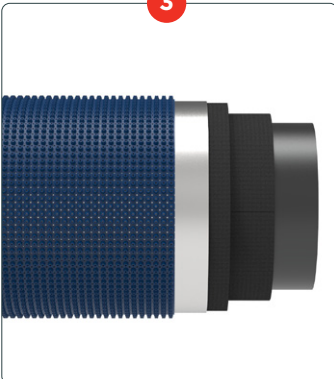


STEP 2

Next Step for Existing Systems or For New Installation Systems:

Install insulation and vapor barrier materials in full compliance with the approved material specifications, project requirements, and applicable regulatory standards.

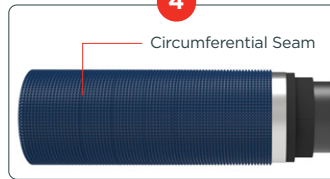
3



STEP 3

Visually inspect the external surface of the vapor barrier for any signs of mechanical damage. Install the cryo vapor shield sheets by wrapping them around the vapor barrier, maintaining either a butt seam or an overlap at the longitudinal joint. Secure the sheets around the vapor barrier using approved tape to ensure a tight and uniform fit.

4

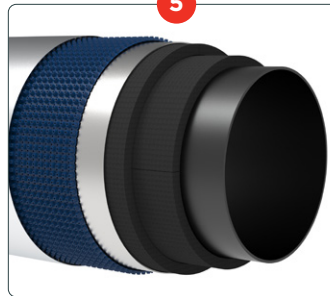


Circumferential Seam

STEP 4

Install the adjacent cryo vapor shield in the same manner following step 3 without overlapping the circumferential seams.

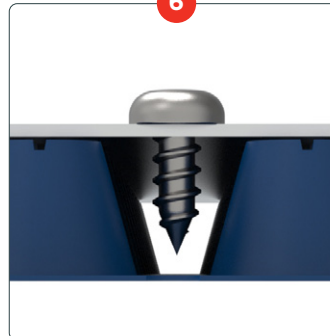
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STEP 5

Install new metal jacketing, or reinstall existing jacketing where suitable, and secure in place using approved banding and mechanical fasteners (see Notes 2 and 3).

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NOTES

- Note 1:* In step 3, install dimple side facing outwards.
- Note 2:* Existing jacketing may be reused only if it provides sufficient length and coverage to accommodate the increased system circumference after installation.
- Note 3:* When using mechanical fasteners, ensure all screws are no longer than 1/2 inch (12.7 mm) to avoid compromising the integrity of the Cryo Vapor Shield or penetrating the underlying vapor barrier.
- Note 4:* Recommended drain holes at 3 meter (9.8 feet) intervals and at low points.