

Simple-to-Install Vacuum Insulated Pipe Modules

Now you can configure your own system of vacuum insulated pipe for cryogenic liquid service.

The new MVIP™ prefabricated piping system from Chart Industries has interlocking pipe modules that connect with vacuum insulated bayonets for simple, flexible system installation. Standard modules mean quick delivery and no waiting so you can get your system up and running fast. In addition, the modules are reusable if you should upgrade your equipment or change your facility's layout.

Using Chart's modular piping means no cutting, welding, brazing or foaming during installation. The MVE bayonet technology offers proven vacuum integrity and minimal heat leak. And with standard module designs, you get competitive pricing, as well as short lead times.

Easy to use and reuse for custom configurations that meet your application needs and plant layout, the MVIP™ system includes:

- Straight lengths of 2' to 6', 10', 15', 20' and 30'
- Flexible modules
- Vacuum insulated valve module
- Drop module with internal liquid trap
- Cryovent module

- Elbow module
- Tee modules
- Adapter modules

How many ways can you configure your own modular vacuum insulated piping system? It's all up to you. Do it your way. Chart makes it easy for you.

Chart Industries leads all other manufacturers in the number of cryogenic piping systems engineered, fabricated and installed in the world. Chart has more than 75 years of combined MVE and CVI experience in vacuum jacketed pipe applications. Its vacuum insulated pipe systems are designed for the transfer of cryogenic liquids at



extremely cold temperatures needed for flash freezing, aerospace applications, super conducting research, liquid nitrogen fogging for special effects, biomedical research, environmental and reliability testing, and many more applications.

Modular Vacuum Insulated Pipe — MVIP™

MATERIALS
Inner Pipe: T304 Stainless Steel
Outer Jacket: T304 Stainless Steel
DESIGN CODE
Built in accordance with ASME, Section B31.2 ⁽¹⁾
MAWP⁽²⁾
150 psig
SERVICE
LN ₂ , LAR
NOMINAL PIPE SIZES
1/2" Inner x 2" Outer Jacket
1" Inner x 3" Outer Jacket
2" Inner x 3 1/2" Outer Jacket

⁽¹⁾ Code-required X-ray not available. Pneumatic pressure tests are optional.

⁽²⁾ MAWP = Maximum Allowable Working Pressure



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