



Vacuum Jacketed Piping Systems

BAYONET CONNECTIONS

FIELD WELDED JOINTS

EMERGENCY SHUT OFF VALVES

INTEGRATED INSTRUMENTATION



Vacuum Jacketed Piping Systems

Pipe Diameters: ½” - 12” Pressure Up To 5000 PSI

Application

Acme Cryogenics Designs, Manufactures and Installs Vacuum Jacketed Piping Systems to meet the needs of the aerospace industry.

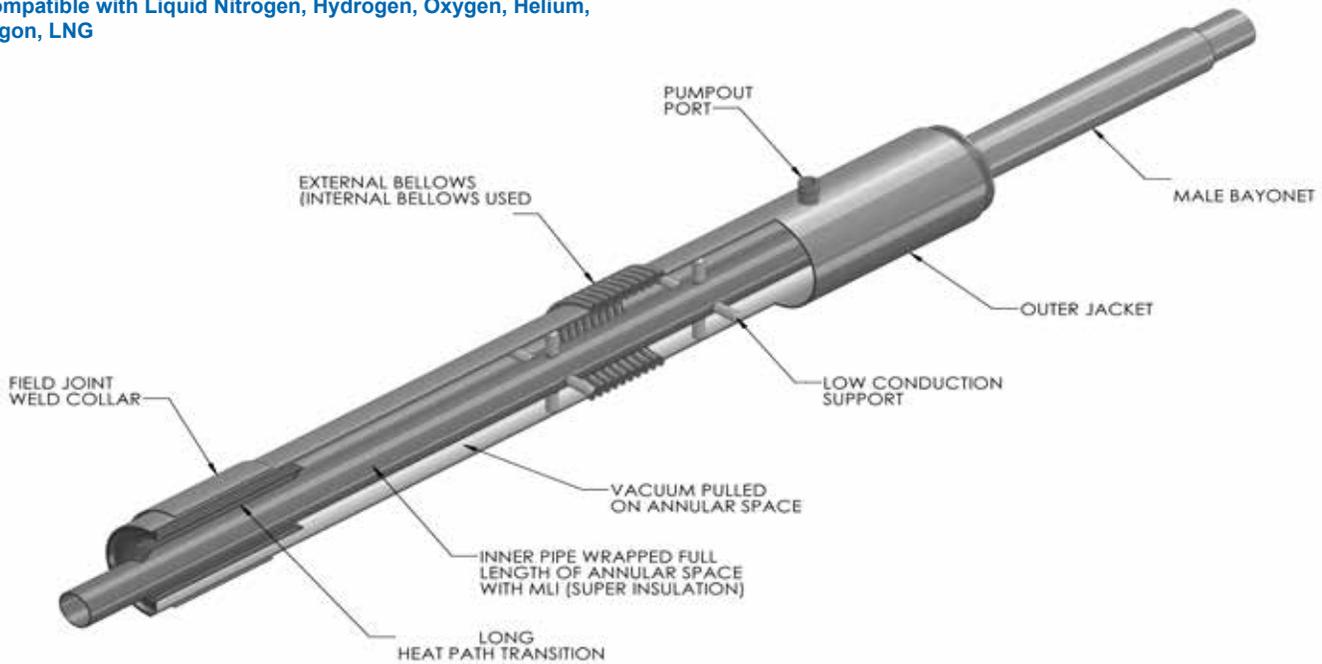
Features

- Double Walled Construction for lowest heat leak
- Factory Sealed Vacuum Sections for vacuum integrity to 20 years
- Prefabricated for easy shipping and installation
- Minimal Cryogenic Liquid Loss for maximum liquid preservation
- Series 304 Stainless Steel Fabrication for maximum service life
- Bayonet Design Options for easy installation
- Standard Pipe Hangers for low install/maintenance cost
- Helium Mass Spectrometer Leak-Testing for vacuum integrity
- Modular Construction for ease of expansion/modification
- Internal Liquid Traps prevents boil-off
- Vacuum Jacketed Valves for branch and equipment isolation
- Flexible piping options for thermal contractions/simple installation



VJP

Compatible with Liquid Nitrogen, Hydrogen, Oxygen, Helium, Argon, LNG



Heat Leak/Performance Comparison

Line Size	VJP BTU/HR/FT	Accessories*		Bare Copper BTU/HR/FT
		New	After 3 Years of Service	
¾" ODT	0.47	7.9	32.3	165
1" IPS	0.50	8.8	44.2	280
1½" IPS	0.58	10.5	52.7	397
2" IPS	0.64	12.2	60.8	530
3" IPS	0.79	15.2	76.1	769
4" IPS	0.92	18.2	90.8	1,000