



SPECIALISTS IN CRYOGENIC EQUIPMENT

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Modular Valves

Stainless steel, vacuum insulated valves designed to control amount of cryogenic liquid in a vacuum insulated piping system.

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All Modular Valves come with Cryogas's renowned customer service, from conceptual design to implementation, and are backed by a one year warranty.

Features

- Low Handle Torque For Bubble Tight Shut-off
- Stainless Steel Body, Stem and Threads
- Redundant Stem Seal
- Cryogenic Stem Packing
- Redundant Cryogenic Bonnet Seal
- Bonnet Purge Port (Thermal Relief Location)
- Tight Fit Stem
- MLI on Jackted Valves
- Plug to Stem Stabilizer
- KEL-F Seat Seal with Locked Thread Insert
- Contoured Flow Plugs Available

Vacuum Insulated Modular Valves

Cryogas vacuum insulated valves are recommended when system efficiency and elimination of frost, ice and moisture are essential. The initial cost is greater for the vacuum insulated option, but the savings outweigh the investment in less than a year. The advantage comes from the fact that the additional heat does not enter the liquid through the valve. Hence after leaving the valve the amount of cooling produced by the liquid remains the same. Vacuum insulated valves also offer a maintenance free operation since no frost or moisture will build up whilst eliminating the need to foam insulate the valves few times in a year.

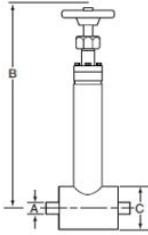
Typical Applications

- Vacuum Jacketed Piping
- Manifold and Tank Systems Liquid
- Nitrogen, Argon and Oxygen Service (with Proper Cleaning)

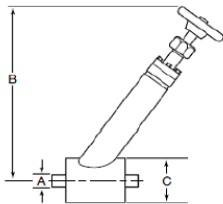
Benefits

- Available in many sizes and styles T or Y pattern.
- Consistent liquid nitrogen delivery.
- Reduced product loss caused by heat leak.
- Vacuum jacketed valves for frost-free operation.
- Maintain the quality of liquid from the bulk storage.
- VIP ready with female bayonet termination.
- Actuators can be installed on valves for control from a remote location.

Modular Valves Specifications

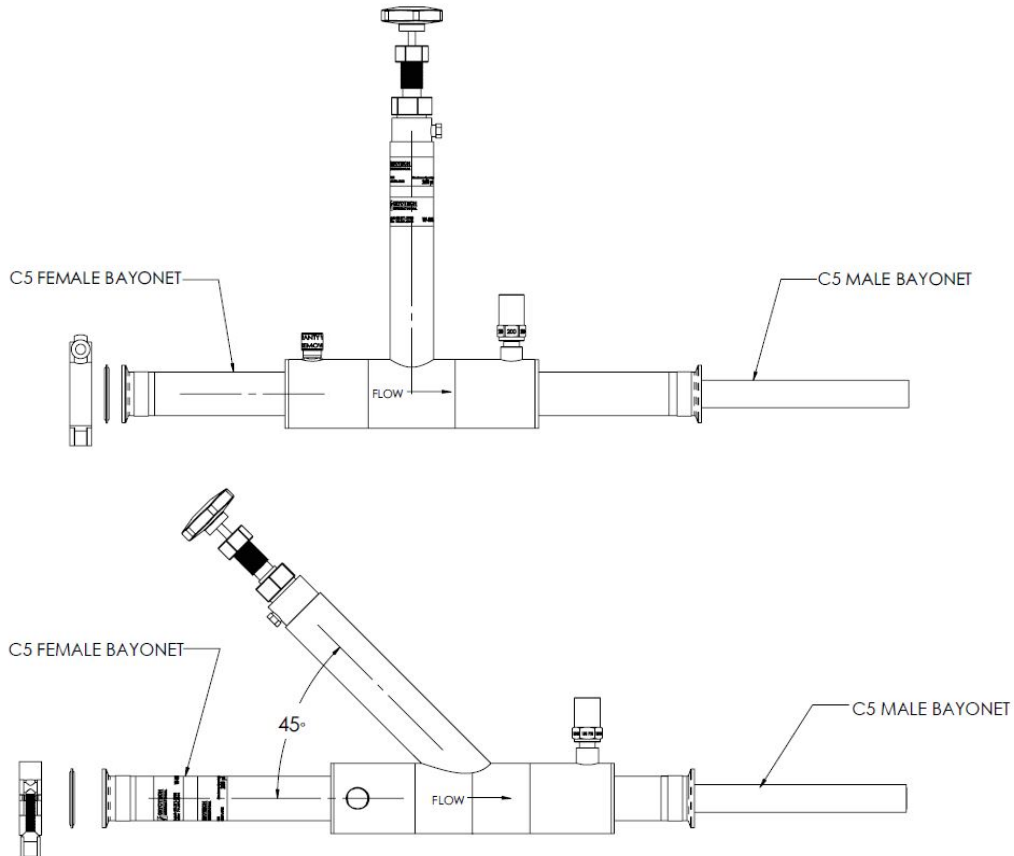


T-Pattern Vacuum Insulated Globe Valve					
Size	A	B	C	Cv	BTU/HR
½"	0.84	14.36	2.38	2.6	4.5
1"	1.32	17.36	3.50	16.3	10.4
1 ½"	1.9	22.5	4.5	31.0	27.1
2"	2.38	22.5	4.5	42.3	27.1



Y-Pattern Vacuum Insulated Globe Valve					
Size	A	B	C	Cv	BTU/HR
½"	0.84	14.6	2.375	5.6	4.5
1"	1.32	22.3	3.5	25.0	10.4
1 ½"	1.9	23.0	4.5	42.0	27.1
2"	2.38	23.0	4.5	59.4	27.1

Modular Valves T and Y pattern (available as static or dynamic vacuum)



Other configurations are available please contact us for more inquiries*



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