VJH Series
Vacuum Jacketed Hoses

SPECIFICATION

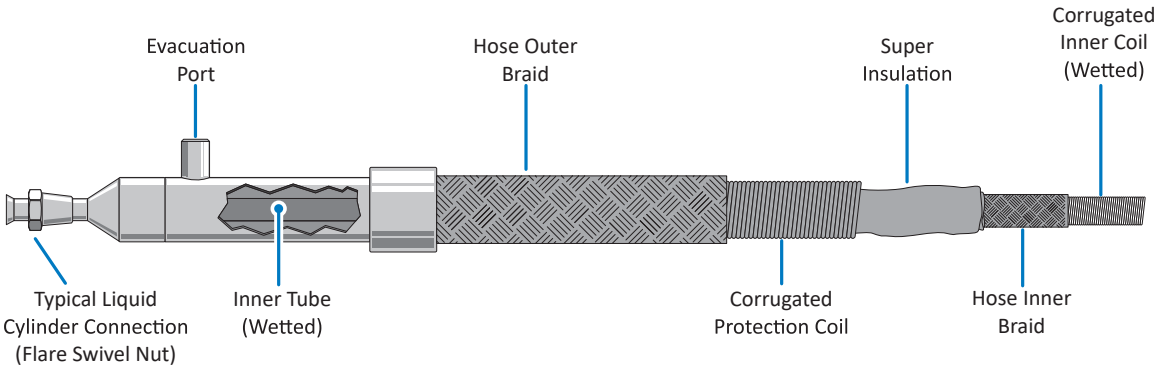
Description

Vacuum Jacketed Hoses (VJH Series) eliminate frost and ice build up compared to non-vacuum jacketed hoses. Although there is an upfront expense when using vacuum jacketed hoses, they will pay for themselves over time with the significant reduction in cryogenic liquid loss.

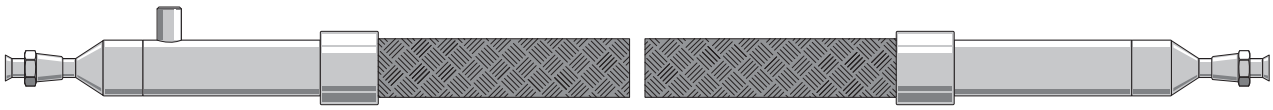
In addition to being used to transfer cryogenic liquid at the point of use, they are also used to provide extra flexibility around tight spaces. Hose flexibility is achieved via the SuperFlex® bellow core.

The VJH Series hoses are rated for temperature down to -320°F. Once the high vacuum is pulled at the factory, chemical getters are installed and multiple layers of super-isulation helps to retain high vacuum for extended amounts of time.

Materials of Construction	
Braid	T304 Stainless Steel
Corrugated Inner Core	T304 Stainless Steel
End Fitting	T304 Stainless Steel
Internal Bellows	T321 Stainless Steel



Technical Specifications				
Inside Diameter (Wetted)	**Outside Hose (Jacket) Diameter**	**Maximum Working Pressure**	**Bend Radius - Dynamic**	**Bend Radius - Static**
3/8”	1.44”	150 psig	8”	3”
1/2”	1.79”	150 psig	9”	4”



72” (Standard Length)
Custom Lengths Available

Ordering Information

VJH - ____ - ____ - ____ - ____ - ____ - ____
A B C D E F

Part Number Matrix - VJH

A	
FLUID SERVICE	***INSCRIBE***
Liquid Argon	CGA 295
Liquid Nitrogen	CGA 295
Liquid Oxygen	CGA 440

B	
HOSE DIAMETER	***INSCRIBE***
3/8”	3/8” Inner Core
1/2”	1/2” Inner Core

C	
INLET CONNECTION	***INSCRIBE***
Flare Swivel Nut (Liquid Cylinder Connection	FSN
Flare Male Adaptor	FMA
NPT Female	FNPT
NPT Male	MNPT

D	
OUTLET CONNECTION	***INSCRIBE***
Flare Swivel Nut (Liquid Cylinder Connection	FSN
Flare Male Adaptor	FMA
NPT Female	FNPT
NPT Male	MNPT

E	
OVERALL LENGTH (Hose Only)	***INSCRIBE***
In Inches* (Min. = 48”[4 ft], Max = 600” [50 ft])	

Note: Standard length for high pressure cylinder hoses is 72” for most lab gas manifolds.

F	
OPTION	***INSCRIBE***
Cleaned for Oxygen Service	CFOS

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