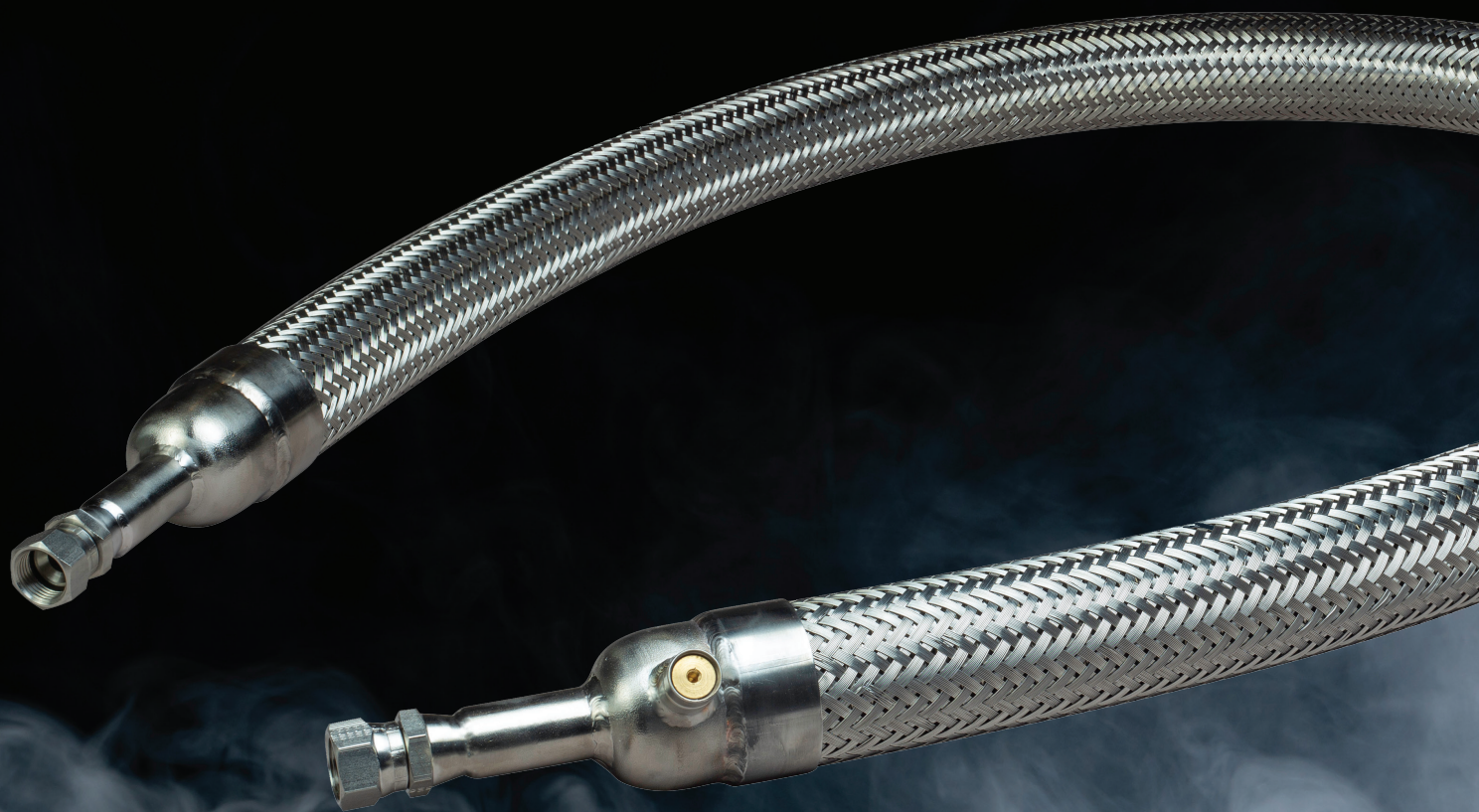




## **Cryogenic / Vacuum Jacketed Hose Assemblies**

**Keep Cryogenic Liquids Cold • Safety Containment**





# Cryogenic / Vacuum Jacketed Hose Assemblies

Keep Cryogenic Liquids Cold • Safety Containment

## Cryogenic / Vacuum Jacketed Hose Assemblies

Vacuum Jacketed hose assemblies are typically found in cryogenic applications because of their insulation properties. Vacuum jacketed with multi-layer insulation creates a low heat transfer rate which minimizes cryogenic liquid boil-off. Jacketed hoses are also used in applications where containment of the media is critical in case of rupture of the inner hose.



*Omegaflex welders and Omegaflex welding procedures are qualified to Section IX of the ASME Boiler and Pressure Vessel Code. Omegaflex hose assemblies are qualified to ISO-10380:2012*



## Metal Hose

Corrugated metal hose allows for the transfer of liquids or gases, usually at high pressure and high or cryogenic temperature, while remaining flexible.

## Cryogenics Applications:

- Nitrogen
- Hydrogen
- Oxygen
- Carbon Dioxide
- Helium
- Argon
- Other Natural Gases



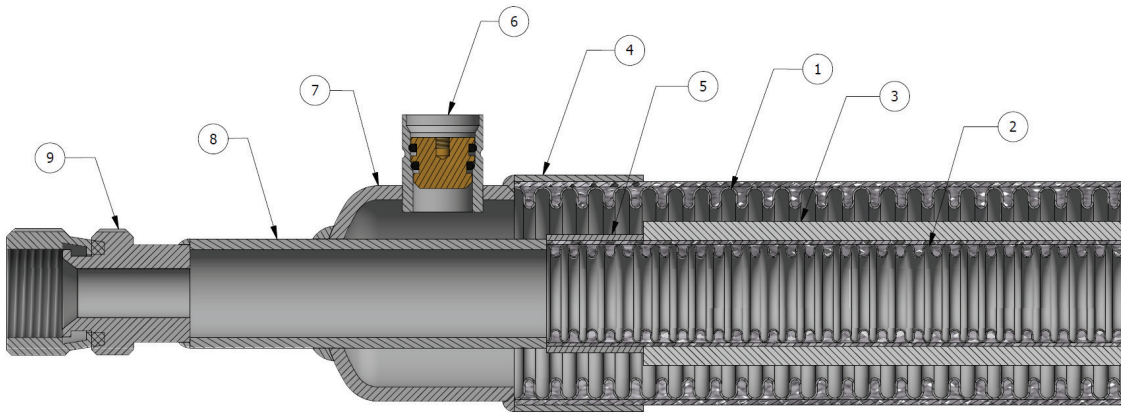
*Cryogenic and Vacuum Jacketed Assemblies are oven dried and purged with Argon to a moisture content of 2 PPM and verified with a moisture analyzer. Hose assemblies can be charged with Helium to maintain dryness during shipping and storage.*



*Cryogenics and Vacuum Jacketed Assemblies are Helium Leak checked to  $1 \times 10^{-9}$  std. cc/sec*

Assemblies are shipped capped and bagged. In addition, assemblies can be tagged with manufacturing date, max operating pressure, and any other information pertaining to the customer requirements.

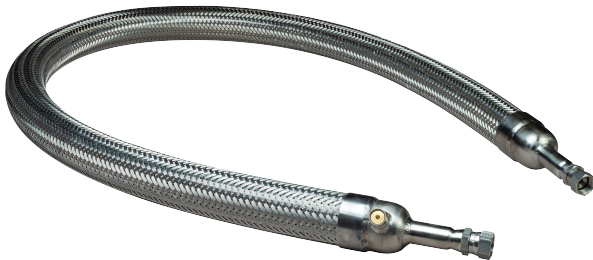




PARTS LIST	
ITEM #	DESCRIPTION
1	SECONDARY BRAIDED CORE / OPTIONAL ARMOR GUARD CASING AVAILABLE
2	PRIMARY BRAIDED CORE
3	CRYOGENIC INSULATION WRAP WITH GETTER
4	SECONDARY BRAID COLLAR
5	PRIMARY BRAID COLLAR
6	VACUUM VALVE PORT
7	WELD CAP
8	PRIMARY SPACER PIPE
9	END FITTING (FEMALE JIC SHOWN)

## Vacuum Jacket Hose Specifications

Nominal Size	Primary Size	Secondary Size	M.A.W.P (psig)	Minimum Centerline Bend Radius (Inch)		O.D. (Inch)
				Static	Dynamic	
3/4"	3/4"	2"	800	5	13	2.58
1"	1"	2-1/2"	750	5	13	3.45
1-1/2"	1-1/2"	3"	565	7.5	16	4.01



Contact OmegaFlex with your specification and we will engineer a custom jacketed hose assembly for you.

To view OmegaFlex's entire product line, **visit [omegaflex.com](http://omegaflex.com)**

For more information on CounterStrike and TracPipe PS-II call **1-800-671-8622**

For MediTrac and DoubleTrac call **1-800-355-1039**

© Omega Flex, Inc. 2021

**OmegaFlex®**

**OmegaFlex, Inc.**

451 Creamery Way • Exton, PA 19341

ISO 9001 Registered Company

IND-154 09/21