



Non-Vacuum Jacketed Liquid Cylinder Hoses (LCH Series)

SPECIFICATION

Description

The LCH Series hoses are non-vacuum jacketed liquid cylinder hoses designed to transfer cryogenic liquids. The hose braid provides good flexibility in high-vibration applications as well as higher max allowable working pressures compared to the VJH Series hoses. The cover (aka armor guard) surrounds the braid to protect it from damages.

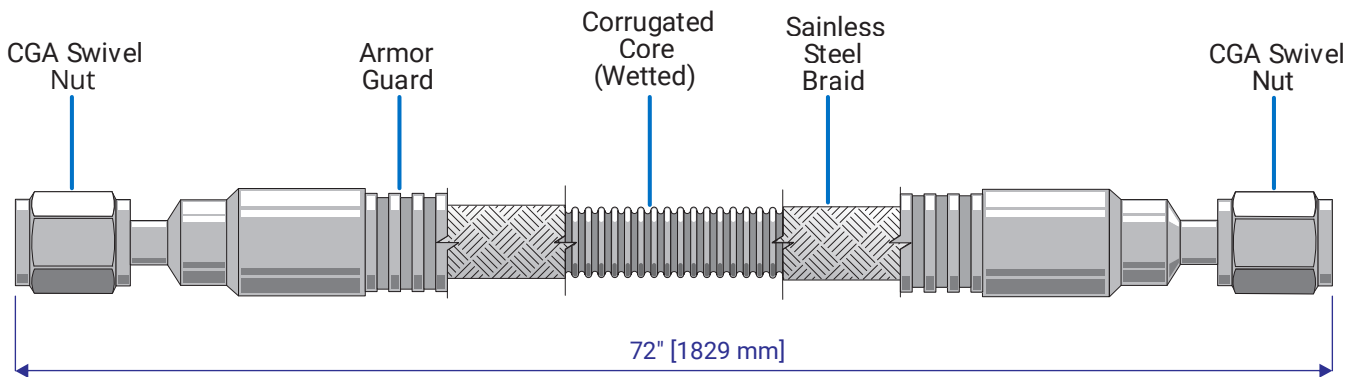
The LCH Series can be used for liquid argon, liquid nitrogen or liquid oxygen. They come with swivel flare fittings according to the gas service. They can also be supplied with NPT fittings or a combination of different NPT fittings and flare swivel fittings.

It is important to note that these hoses are not thermally insulated. Frost will start to appear on the exterior of the hose as soon as cold gas flows inside it. Ice will eventually buildup as the cryogenic liquid starts to flow inside the hose. The ice will keep building up as the usage extends over time. It is imperative to handle any non-vacuum insulated hoses with cryogenic-rated gloves.

Materials	
Braid	Type 304 Stainless Steel
Corrugated Inner Core	Type 304 Stainless Steel
End Fittings	Type 304 Stainless Steel
Internal Bellows	Type 321 Stainless Steel

Technical Specifications				
Inside Diameter (Wetted)	Outside Hose (Jacket) Diameter	Maximum Working Pressure	Bend Radius	Temperature Range
1/2"	15/16"	1,160 psig	4-7/8"	-320°F to 1500°F

Overview



Typical liquid cylinder hose with a swivel nut each end



