



CRYOTECH
VBS INTERNATIONAL

SPECIALISTS IN CRYOGENIC EQUIPMENT



CryotechFlex

**Vacuum Insulated Flexible
LN₂ Transfer Hose**

All CryotechFlex products come with Cryotech's renowned customer service, from conceptual design to implementation, and are backed by a one year warranty.

CryotechFlex

CryotechFlex is a super flexible, vacuum insulated LN₂ transfer hose. The coaxial bellowed construction allows for optimal flexibility. The use of lightweight stainless steel reduces cool-down loss to an absolute minimum. CryotechFlex hoses are protected by a stainless steel spiral wrap or braided outer covering. Typical hoses are manufactured with pipe thread ends or female flare 1/2" JIC/CGA fittings. CryotechFlex hoses are used in a wide variety of applications including tool connections with portable dewars supplying LN₂ to moving reservoirs and custom OEM applications.

Features and Benefits

- Tees, elbows, bayonets and valves can be incorporated into our CryotechFlex hoses to custom tailor a system for your unique application
- Both flexible and rigid sections can be combined in one hose
- Optional teflon liners and inner braids for high pressure ratings
- Select hoses are stocked for immediate delivery
- Super insulation chemical getter used for extended life
- Each hose is evacuated (10^{-6} torr), helium leak checked (1×10^{-9} std cc/sec) and liquid nitrogen cold shocked before shipping
- Vacuum insulation eliminates frost, ice and related safety hazards

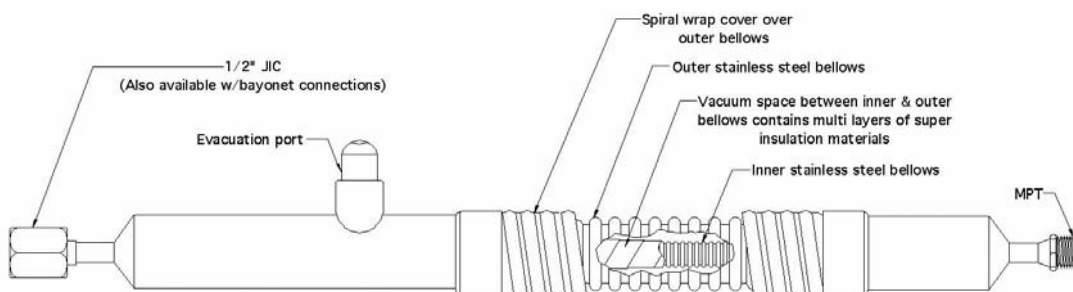
CryotechFlex Specifications

Hose	1/4" SFSW	3/8" SFSW	1/2" SFSW	1/2" RFB	3/4" RFB	3/4" SFSW	1" RFB	1" SFSW
Inner Diameter (I.D.)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)	3/4" (19.0 mm)	3/4" (19.0 mm)	1" (25.4 mm)	1" (25.4 mm)
Outer Diameter (O.D.)	1.3" (33.0 mm)	1.5" (38.1 mm)	1.8" (45.7 mm)	1.8" (45.7 mm)	2.25" (57.1 mm)	2.25" (57.1 mm)	2.75" (69.8 mm)	3" (76.2 mm)
Minimum Flexible Bend Radius	7" (177 mm)	8" (203 mm)	10" (254 mm)	10" (254 mm)	12" (304 mm)	12" (304 mm)	14" (355 mm)	14" (355 mm)
Minimum Static Bend Radius	5" (127 mm)	6" (152 mm)	8" (203 mm)	7" (177 mm)	7" (177 mm)	7" (177 mm)	8" (203 mm)	8" (203 mm)
Maximum Operating Pressure	150psi (10.3 bar)	150 psi (10.3 bar)	150 psi (10.3 bar)	150 psi (10.3 bar)	150 psi (10.3 bar)	150 psi (10.3 bar)	75 psi (5.2 bar)	75 psi (5.2 bar)

SFSW: CryotechFlex super flex spiral wrap outer covering • **RFB:** CryotechFlex regular flex braid outer covering
CryotechFlex hoses are available in standard or custom lengths up to 60 feet



Typical CryotechFlex Hose



CRYOTECH INTERNATIONAL, INC.
745-B Camden Ave., Campbell, CA 95008
Phone: (408) 371-3303 Fax: (408) 371-3320 Service: (408) 371-4932
e-mail: salesinquiry@vbsflex.com

Visit our website at: www.cryotechinternational.com

ASIA. Cryotech Philippines Office. Phone: +(63) 2 951 4623
MEXICO/CENTRAL AMERICA. VTI Office, Phone: +(52) 5 55 370 8726
EUROPE. Peco Controls Office, Phone: +(44) 1386 556622