

# COBRAFLIX®

Vacuum Insulated Flexible Liquid Nitrogen Hose



VACUUM  
BARRIER **VBC**  
CORPORATION

WWW.VACUUMBARRIER.COM LIQUID NITROGEN HOSE

# COBRAFLEX®

## VACUUM INSULATED FLEXIBLE LIQUID NITROGEN HOSE

Vacuum Barrier Corporation, the original manufacturer of SEMIFLEX® vacuum insulated flexible Liquid Nitrogen (LN<sub>2</sub>) pipe proudly brings you COBRAFLEX®.

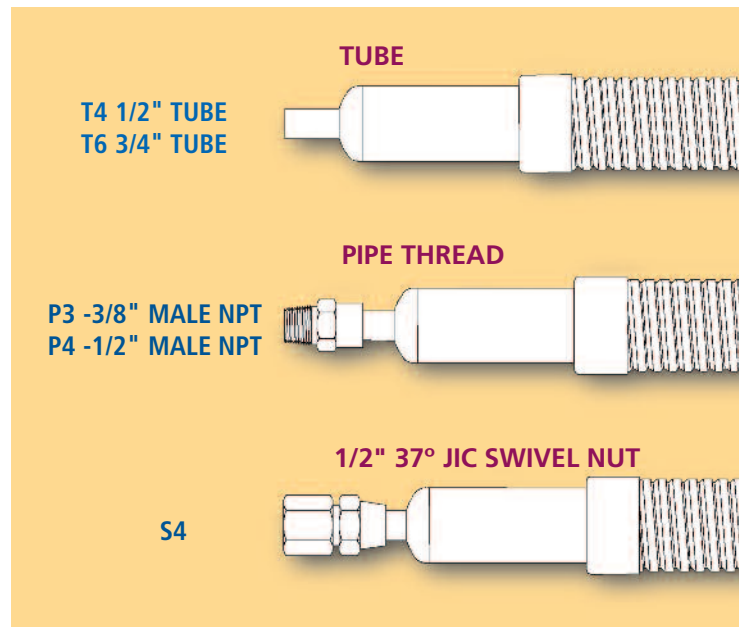
COBRAFLEX® is the new sealed vacuum LN<sub>2</sub> flexible hose manufactured by Vacuum Barrier Corporation. Frost, moisture and ice ball problems commonly associated with foam insulated or soft vacuum lines are eliminated with COBRAFLEX®. COBRAFLEX® can be combined with SEMIFLEX® plant piping systems to provide efficient connections to use points.

### COBRAFLEX® materials and construction methods

- Fabricated from 300 series Stainless Steel with a highly flexible outer spiral wrap
- All ends are polished to a high luster finish
- Multiple layers of super – insulation are applied to achieve the lowest possible heat loss
- Every hose is helium leak tested and cold shocked to ensure its vacuum integrity
- To achieve the longest service life in the industry every hose is heat soaked during evacuation and is equipped with chemical getters
- Each hose is sealed under high vacuum with a combination seal – off/annulus relief valve
- Fabrication techniques from welding to insulating are unmatched by any other manufacturer to ensure years of efficient and safe use

### COBRAFLEX® design specifications

	Size 3/8"	Size 5/8"	
Inside diameter	inches	0.40	0.63
	m.m.	10	16
Outside diameter	inches	1.54	1.90
	m.m.	39	48
Design pressure	PSI	175	175
	Bars	12	12
Weight	Lbs per foot	0.80	1.0
	Kg per meter	1.2	1.6
Minimum Bend Radius	inches	5.0	10
	cm	13	25
Flow rate	consult factory	consult factory	



### ORDERING INFORMATION REQUIRED: LENGTH AND END CONNECTIONS

Example:  
Order number at right is for a hose assembly with 3/8" NPT on one end and 1/2" 37° JIC swivel nut on the other end and 12'-0" in length.

**3-P3-S4-12**

Hose ID  
3/8" – 3, 5/8" – 5

T4 = 1/2" O.D. Tube – 3/8" COBRA  
T6 = 5/8" O.D. Tube – 5/8" COBRA  
P3 = Male NPT 3/8"  
P4 = Male NPT 1/2"  
S4 = 1/2" 37° JIC Swivel nut  
M = Male A-5 Bayonet

Overall length in feet  
4' to 20', 2' increments in stock  
Consult factory for all other length requirements

## VACUUM BARRIER VBC

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