

COBRAFLEX® engineering data

COBRAFLEX® is a sealed vacuum insulated hose for liquid nitrogen transfer for short connections.

COBRAFLEX® is very flexible, has a minimal bend radius and is free of moisture and ice with the temperature of the outer tube being only some degrees below ambient temperature.


COBRAFLEX® can be combined with SEMIFLEX® piping systems to provide efficient connections to use points for on demand supply.

COBRAFLEX®	Size 3/8"	Size 5/8"
Inside diameter		
inches	0.40	.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
Maximum length per section		
Feet	40	40
cm	1220	1220



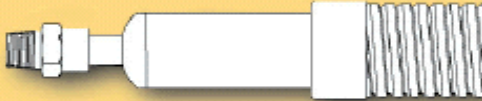
TUBE

T4 1/2" TUBE
T6 3/4" TUBE



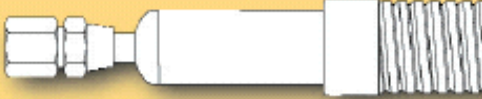
PIPE THREAD

P3 3/8" MALE NPT
P4 1/2" MALE NPT



1/2" 37° JIC SWIVEL NUT


S4



**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