

LN<sub>2</sub>

LOX

LNG

LARG

CO<sub>2</sub>

# CFUL Series Un-insulated Cryogenic Hoses



- The ultimate un-insulated cryogenic hoses for all cryogenic liquids and gasses
- Used for liquid cylinder filling, mini-bulk trans-filling, home care oxygen trans-fill, helium cold-head compressor supply and return lines, LNG fuel filling and more
- Virtually any size hose can be manufactured
- Fitting options can fulfill just about any connection type
- Any hose can be customized to suit our customer's applications
- Full length protective armor casing or cuffs available
- LOX fill hoses are prepped and cleaned to CGA-4.1-2009 Oxygen Cleaning Specifications; any hose can be cleaned to this standard depending on user requirements that could include LN<sub>2</sub>, LNG, LARG and CO<sub>2</sub>

Nominal Size ID (IN.)	Size OD (IN.)		MAWP* (PSIG)	Min Burst Pressure (PSIG)	Min Static Bend Radius		WT/FT		Temp Range (°F)
	W/O Armor	W/Armor			W/O Armor (IN.)	W/Armor (IN.)	W/O Armor (LBS)	W/ Armor (LBS)	
.250"	0.43	0.52	2360	9440	1.10"	1.75"	0.10	0.34	Cryo to 1500°
.375"	0.62	0.92	1639	6556	1.52"	2.75"	0.16	0.44	Cryo to 1500°
.500"	0.72	0.92	1225	4900	1.75"	2.75"	0.18	0.46	Cryo to 1500°
.750"	1.12	1.38	1034	4136	2.65"	9.50"	0.39	0.75	Cryo to 1500°
1.00"	1.34	1.51	796	3184	3.33"	10.00"	0.48	0.86	Cryo to 1500°
1.25"	1.69	2.03	600	2400	4.10"	14.00"	0.66	1.26	Cryo to 1500°
1.50"	2.03	2.28	557	2228	5.08"	15.50"	0.91	1.63	Cryo to 1500°
2.00"	2.48	2.77	570	2280	6.27"	24.00"	1.27	2.69	Cryo to 1500°
2.50"	3.28	3.66	402	1607	6.50"	26.00"	2.12	3.3	Cryo to 1500°
3.00"	3.87	4.16	338	1351	8.50"	29.00"	2.58	3.93	Cryo to 1500°
4.00***	4.85	5.17	238	953	11.02"	37.00"	3.27	4.95	Cryo to 1500°

\* Pressure ratings based on hose material, end fitting choice may lower MAWP rating  
 \*\* Larger sizes available upon request, please call 1-800-426-2186 for pricing and availability

## Available Options:

- 90° Elbow T-Handle Spinner
- Dual Fill Connection with Relief Valve
- Hand Loc Hose
- T-Handle Spinner
- Built In Relief Valve
- 90° Elbow Extension
- Phase Separator
- Hose End Plugs
- Compressor Connections



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