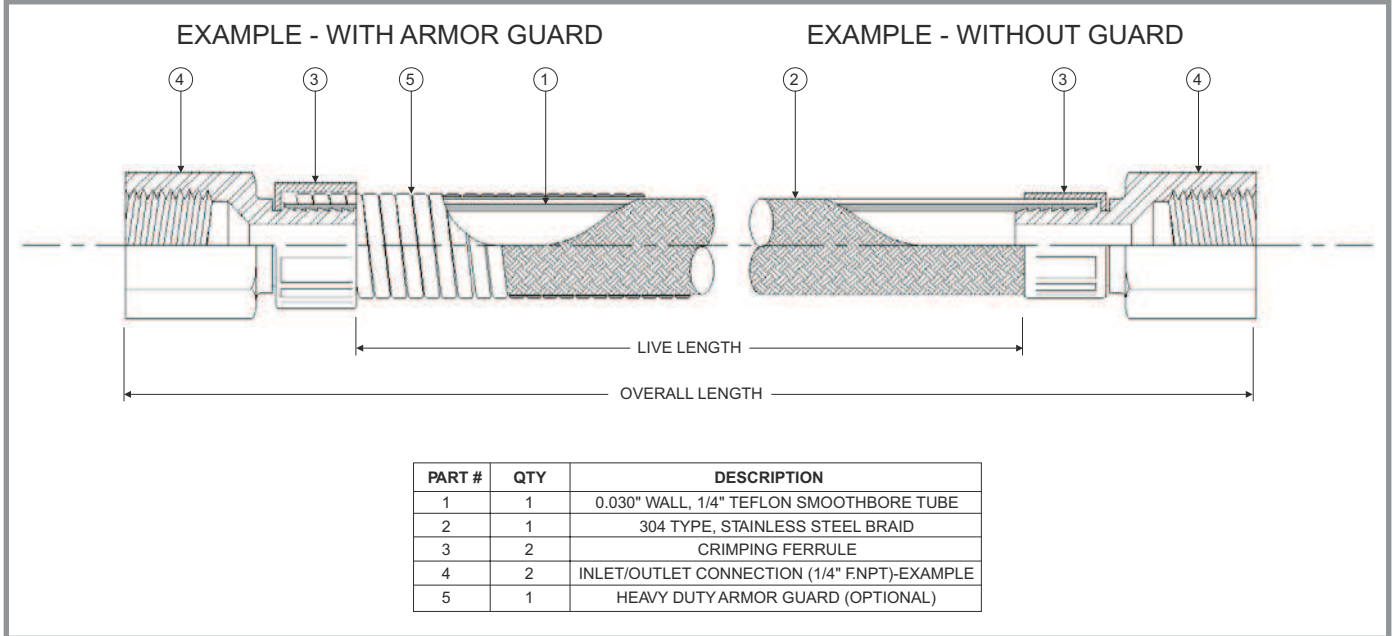




**GAS CYLINDER HOSES  
3000 PSIG  
TEFLON CORE - S/S BRAID**



**Fittings:** Brass or stainless steel (crimped)

**Construction:** Inner tube of FDA approved extruded Natural PTFE (Teflon) with 304 stainless steel wire braid outer cover.

**Applications:** High purity laboratory applications using mostly inert gases. Oxygen service compatible. Medical gases.

**Not good for:** Corrosive gases. Small molecules like hydrogen and helium. Cryogenic liquids transfer. Always verify for material compatibility with the fluid.

**Special application:** 6000 psig working pressure available. Consult GCE for details.

TECHNICAL DATA							
Internal Diameter	External Diameter	Design Pressure	Minimum Burst Pressure	Minimum Bend Radius	Weight lbs / ft	Minimum Working Temperature	Maximum Working Temperature
3/16"	5/16" <small>Without armor guard</small>	3000 psi	12000 psi	2"	0.07 lbs <small>Without armor guard</small>	-100°F	450°F

**HOW TO ORDER - PART NUMBER MATRIX**

**TH4** -  -  -  -

Basic Series

Inlet Connection

Brass

- 4M = 1/4" M.NPT
- 4F = 1/4" FNPT

Outlet Connection

Brass

- 4M = 1/4" M.NPT
- 4F = 1/4" FNPT

Overall Length  
(In inches)

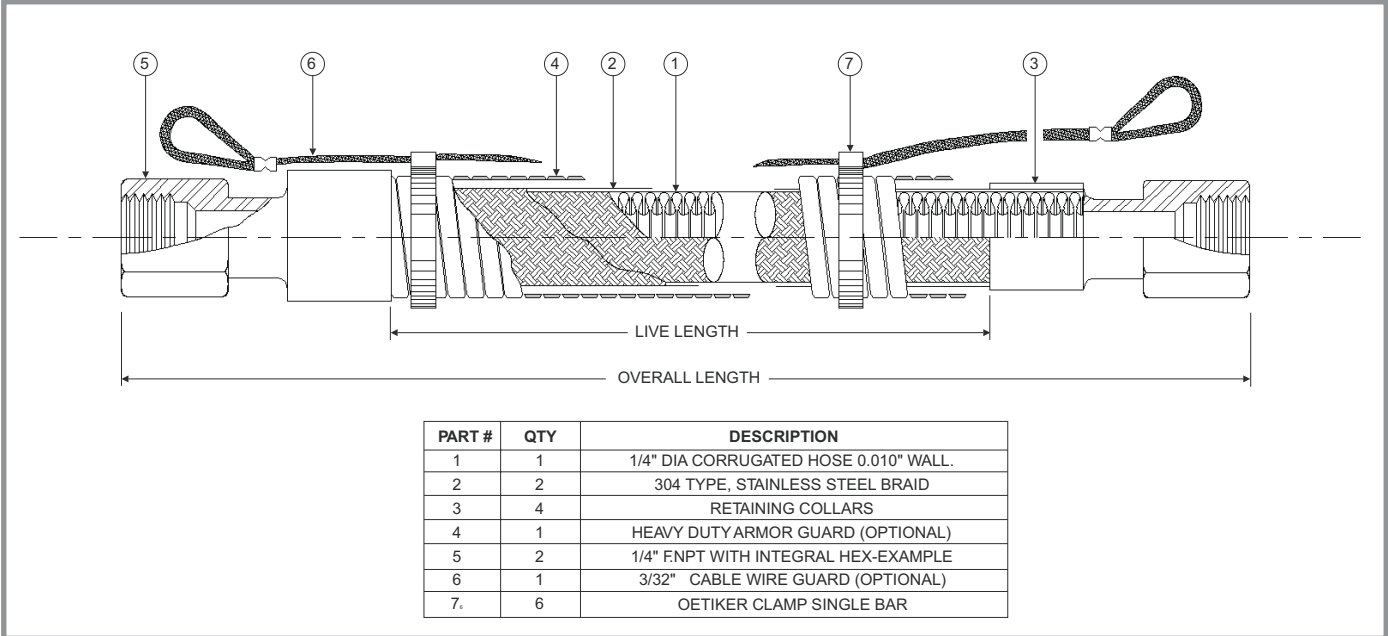
Option

- AG = Armor Guard
- WG = Wire Guard
- CFOS = Cleaned for oxygen service
- CRN = Canadian Registration Number





**GAS CYLINDER HOSES  
3000 PSIG-ALL  
ALL STAINLESS STEEL**



☑ **Fittings:** Stainless steel (welded)

☑ **Construction:** Stainless steel 304 corrugated inner core. Stainless steel 304 wire braid outer cover.

☑ **Applications:** Ultra high purity applications with almost all gases including corrosives and toxics. Ideal for small molecules like hydrogen and helium. Oxygen service compatible under 1000 psig.

☑ **Not good for:** Cryogenic liquids transfer. Always verify for material compatibility with the fluid.

**TECHNICAL DATA**

<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Design Pressure</b>	<b>Minimum Burst Pressure</b>	<b>Minimum Bend Radius</b>	<b>Weight lbs / ft</b>	<b>Minimum Working Temperature</b>	<b>Maximum Working Temperature</b>
0.28"	0.445" <small>Without armor guard</small>	3000 psi	12000 psi	3"	0.29 lbs <small>Without armor guard</small>	-300°F	1500°F

**HOW TO ORDER - PART NUMBER MATRIX**

**SH4** - [ ] - [ ] - [ ] - [ ]

**Basic Series**

**Inlet Connection**

**Stainless steel**

- 4M = 1/4" M.NPT
- 4F = 1/4" FNPT

**Outlet Connection**

**Stainless steel**

- 4M = 1/4" M.NPT
- 4F = 1/4" FNPT

**Overall Length (In inches)**

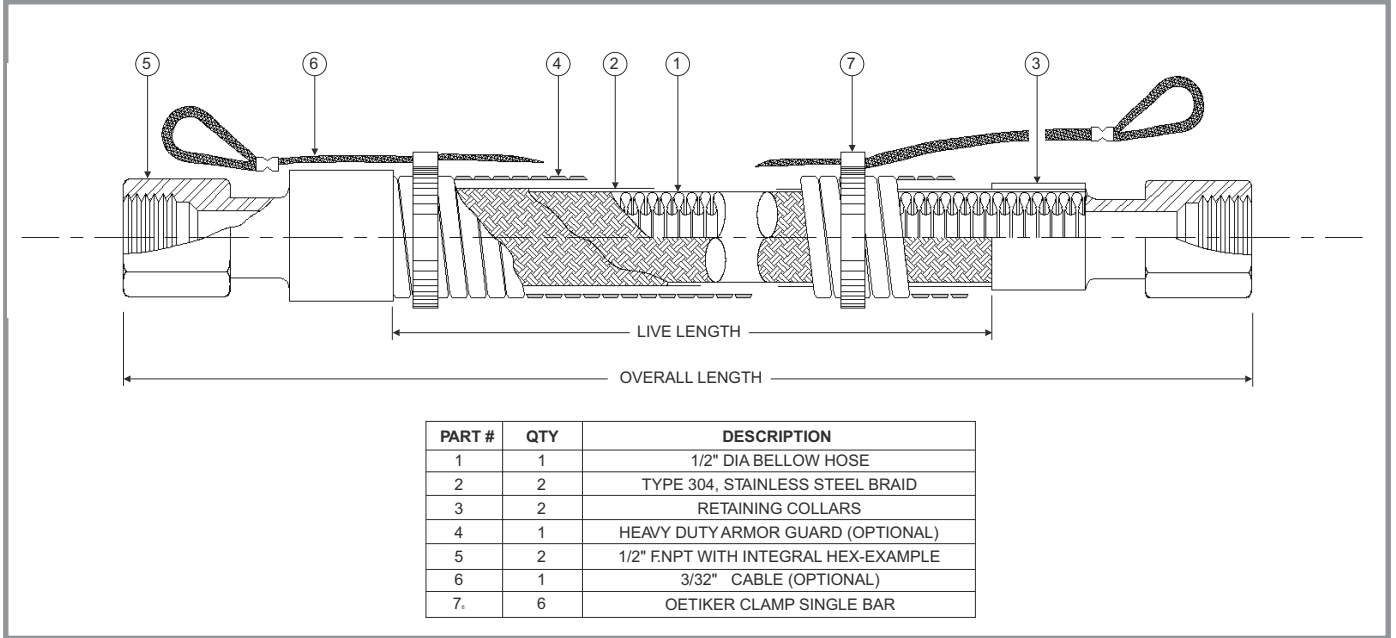
**Option**

- AG = Armor Guard
- WG = Wire Guard
- CFOS = Cleaned for oxygen service
- CRN = Canadian Registration Number





**TUBE TRAILER HOSES  
3000 PSIG  
ALL STAINLESS STEEL**



☑ **Fittings:** Stainless steel

☑ **Construction:** Stainless steel 304 corrugated inner core.  
Stainless steel 304 wire double braid outer cover.

☑ **Applications:** Tube trailer discharging and charging stanchions compatible with most inert, corrosive and toxic gases. Ideal for small molecules like hydrogen and helium.

☑ **Not good for:** Cryogenic liquids transfer. Always verify for material compatibility with the fluid. Oxygen must be kept below 1000 psi and less than 30ft/sec. velocity.

**TECHNICAL DATA**

<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Design Pressure</b>	<b>Minimum Burst Pressure</b>	<b>Minimum Bend Radius</b>	<b>Weight lbs / ft</b>	<b>Minimum Working Temperature</b>	<b>Maximum Working Temperature</b>
1/2"	0.925" <small>Without armor guard</small>	3000 psi	12000 psi	4.5"	0.64 lbs <small>Without armor guard</small>	-300°F	1500°F

**HOW TO ORDER - PART NUMBER MATRIX**

**SH8** - [ ] - [ ] - [ ] - [ ]

**Basic Series**

**Inlet Connection**  
Stainless steel

- 8M = 1/2" M.NPT
- 8F = 1/2" FNPT
- CGA295 = 1/2" F.JIC
- CGA440 = 5/8" F.JIC

**Outlet Connection**  
Stainless steel

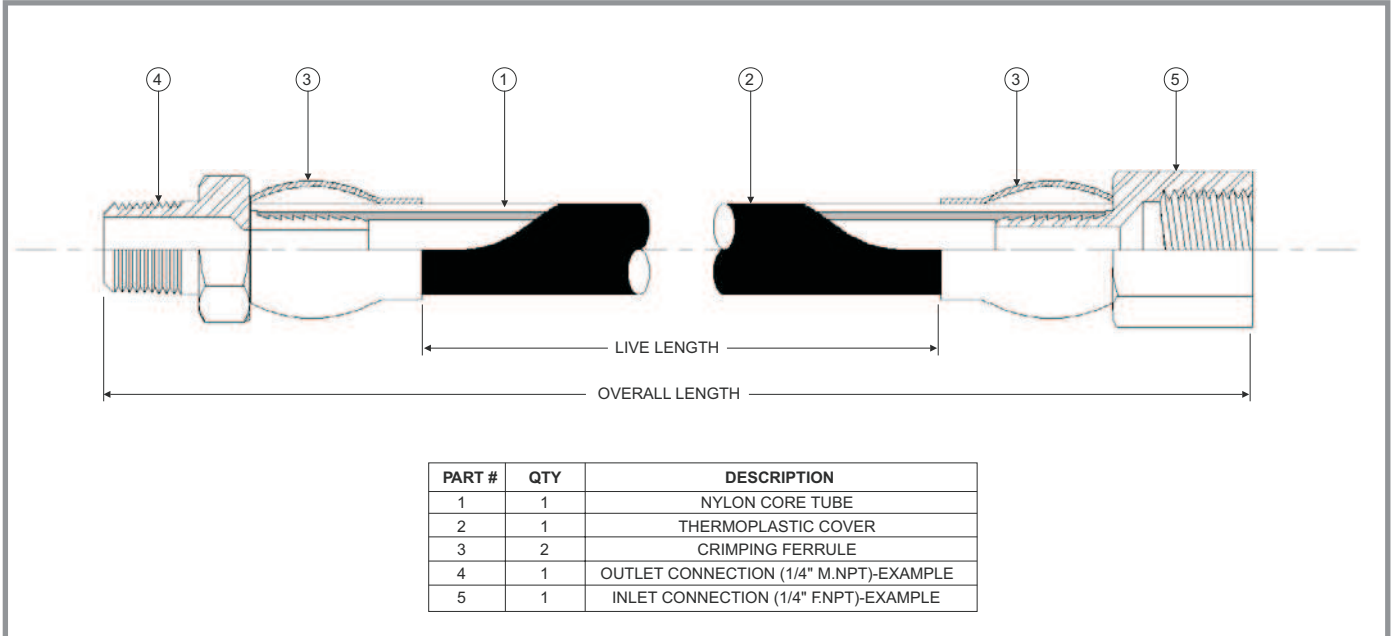
- 8M = 1/2" M.NPT
- 8F = 1/2" FNPT
- CGA295 = 1/2" F.JIC
- CGA440 = 5/8" F.JIC

**Overall Length**  
(In inches)

**Option**

- AG = Armor Guard
- SG = Spring Guard
- WG = Wire Guard
- CFOS = Cleaned for oxygen service
- CRN = Canadian Registered Number





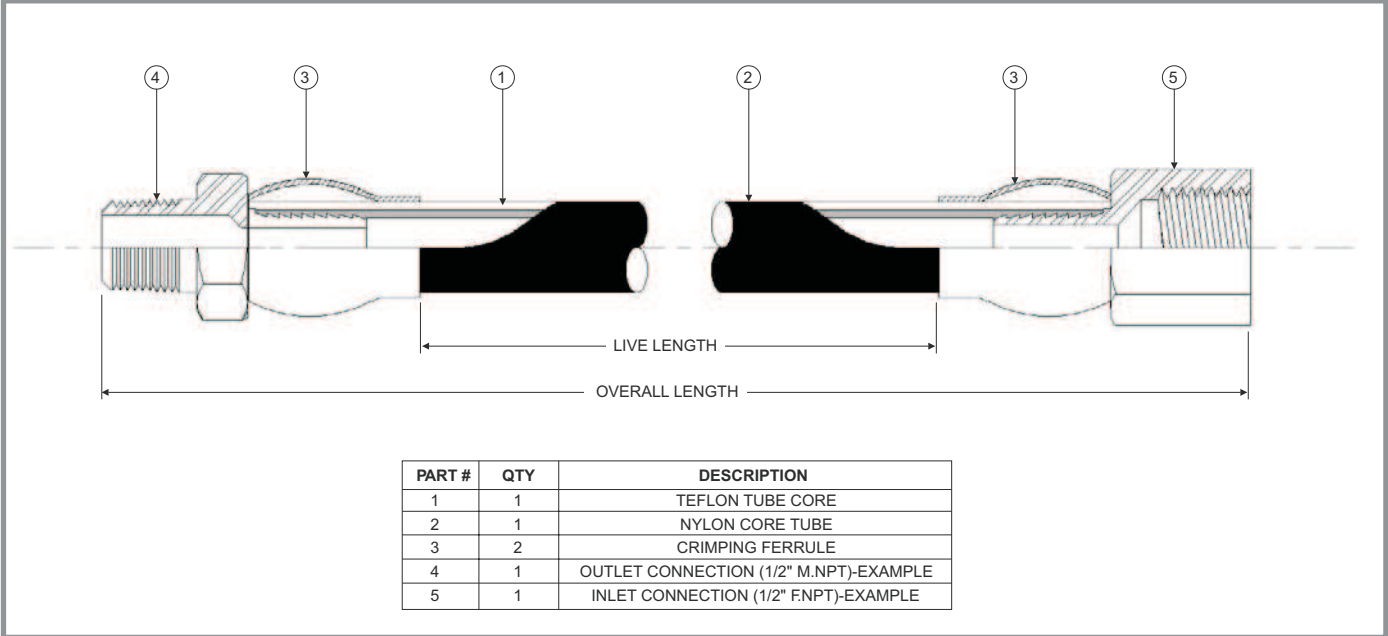
- ☑ **Fittings:** steel (crimped)
- ☑ **Construction:** Elastomeric core tube (Nylon), aramid fiber reinforcement, abrasion-resistant urethane cover. All layers bonded.
- ☑ **Cover color:** Cover is black and perforated for pneumatic service.
- ☑ **Applications:** Industrial applications such as welding. Can be used for high purity applications when cleaned properly, material compatibility and applications criterias are satisfied. Ideal for liquified petroleum gases such as acetylene, MAPP, propane and propylene.
- ☑ **Not good for:** Corrosive gases. Small molecules like hydrogen and helium. Cryogenic liquid transfer. Always verify for material compatibility with the fluid. Nylon core is compatible with oxygen but not the thermoplastic cover.

**TECHNICAL DATA**

<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Design Pressure</b>	<b>Minimum Burst Pressure</b>	<b>Minimum Bend Radius</b>	<b>Weight lbs / ft</b>	<b>Minimum Working Temperature</b>	<b>Maximum Working Temperature</b>
1/4"	0.51"	5000 psi	20000 psi	2"	0.06 lbs	-40°F	212°F

**HOW TO ORDER - PART NUMBER MATRIX**

<b>NH4</b>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
<b>Basic Series</b>		<b>Inlet Connection</b>		<b>Outlet Connection</b>		<b>Overall Length (In inches)</b>		<b>Option</b>
		<b>Steel</b>		<b>Steel</b>				<input type="checkbox"/> CFOS = Cleaned for oxygen service
		<input type="checkbox"/> 4MW = 1/4" M.NPT		<input type="checkbox"/> 4MW = 1/4" M.NPT				
		<input type="checkbox"/> 4FW = 1/4" FNPT		<input type="checkbox"/> 4FW = 1/4" FNPT				
		<input type="checkbox"/> 4JIC = 1/4" F.JIC		<input type="checkbox"/> 4JIC = 1/4" F.JIC				



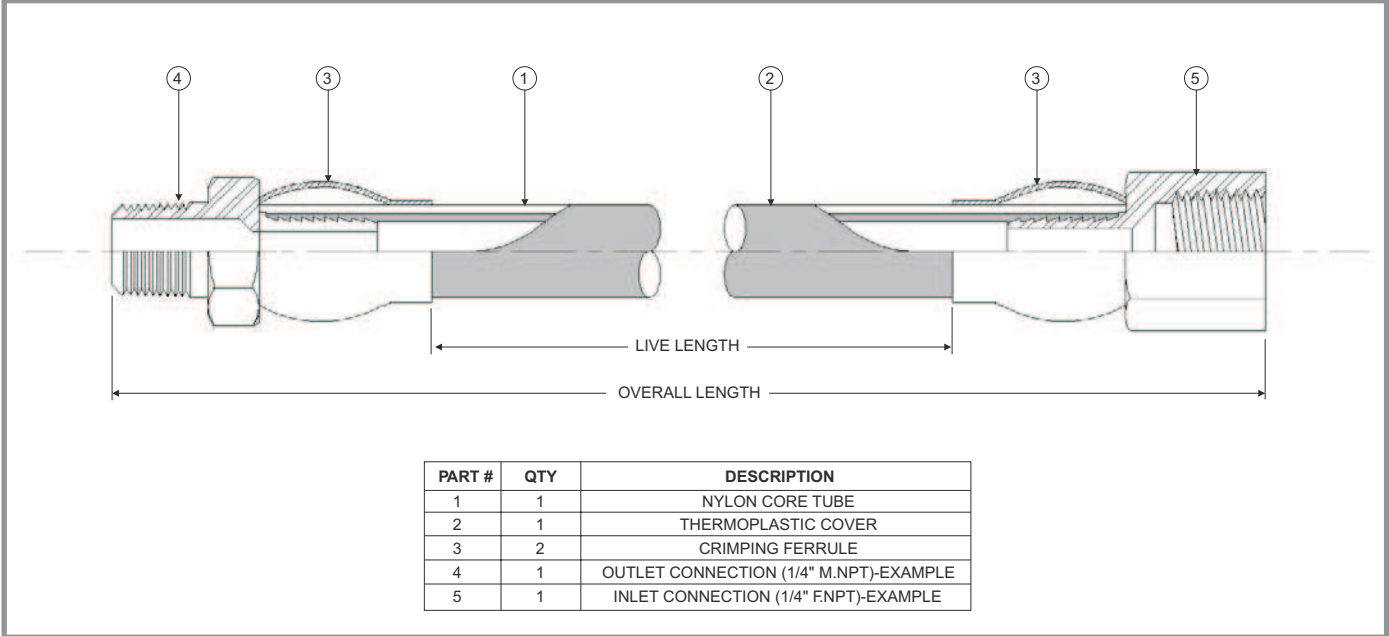
- ☑ **Fittings:** steel
- ☑ **Construction:** Elastomeric core tube (Nylon), aramid fiber reinforcement, abrasion-resistant urethane cover. All layers bonded.
- ☑ **Applications:** Tube trailer discharging & charging stanchions for argon and nitrogen service.
- ☑ **Not good for:** Corrosive gases. Small molecules like hydrogen and helium. Cryogenic liquids transfer. Always verify for material compatibility with the fluid.
- ☑ **Cover color:** Cover is black and perforated for pneumatic service.

TECHNICAL DATA							
Internal Diameter	External Diameter	Design Pressure	Minimum Burst Pressure	Minimum Bend Radius	Weight lbs / ft	Minimum Working Temperature	Maximum Working Temperature
1/2"	0.81"	3500 psi	14000 psi	4"	0.13 lbs	-40°F	212°F

**HOW TO ORDER - PART NUMBER MATRIX**

**NH8** - [ ] - [ ] - [ ] - [ ]

- |                     |   |   |                                   |  |
|---------------------|---|---|-----------------------------------|--|
| <b>Basic Series</b> | <b>Inlet Connection Steel</b>   | <b>Outlet Connection Steel</b>  | <b>Overall Length (In inches)</b> | <b>Option</b>  |
|                     | <input type="checkbox"/> 8MW = 1/2" M.NPT<br><input type="checkbox"/> 8FW = 1/2" FNPT<br><input type="checkbox"/> CGA295 = 1/2" F.JIC<br><input type="checkbox"/> CGA440 = 5/8" F.JIC | <input type="checkbox"/> 8MW = 1/2" M.NPT<br><input type="checkbox"/> 8FW = 1/2" FNPT<br><input type="checkbox"/> CGA295 = 1/2" F.JIC<br><input type="checkbox"/> CGA440 = 5/8" F.JIC |                                   | <input type="checkbox"/> CFOS = Cleaned for oxygen service |



- ☑ **Fittings:** steel (crimped)
- ☑ **Construction:** Elastomeric core tube (Nylon), fiber reinforcement, abrasion-resistant urethane cover. All layers bonded.
- ☑ **Applications:** Air compressor stations, SCUBA tank refilling stations, mobile air wagons, cascade systems, inert gas manifolds.
- ☑ **Not good for:** Corrosive gases. Small molecules like hydrogen and helium. Cryogenic liquids transfer. Always verify for material compatibility with the fluid. This hose does not contain a conductive element; therefore, it should not be used with pure oxygen or explosive gases.
- ☑ **Cover color:** Cover is grey and perforated for pneumatic service.
- ☑ Complies with CGA G7.1-1997, Grade E Breathing Air Standard NFPA 1901

**TECHNICAL DATA**

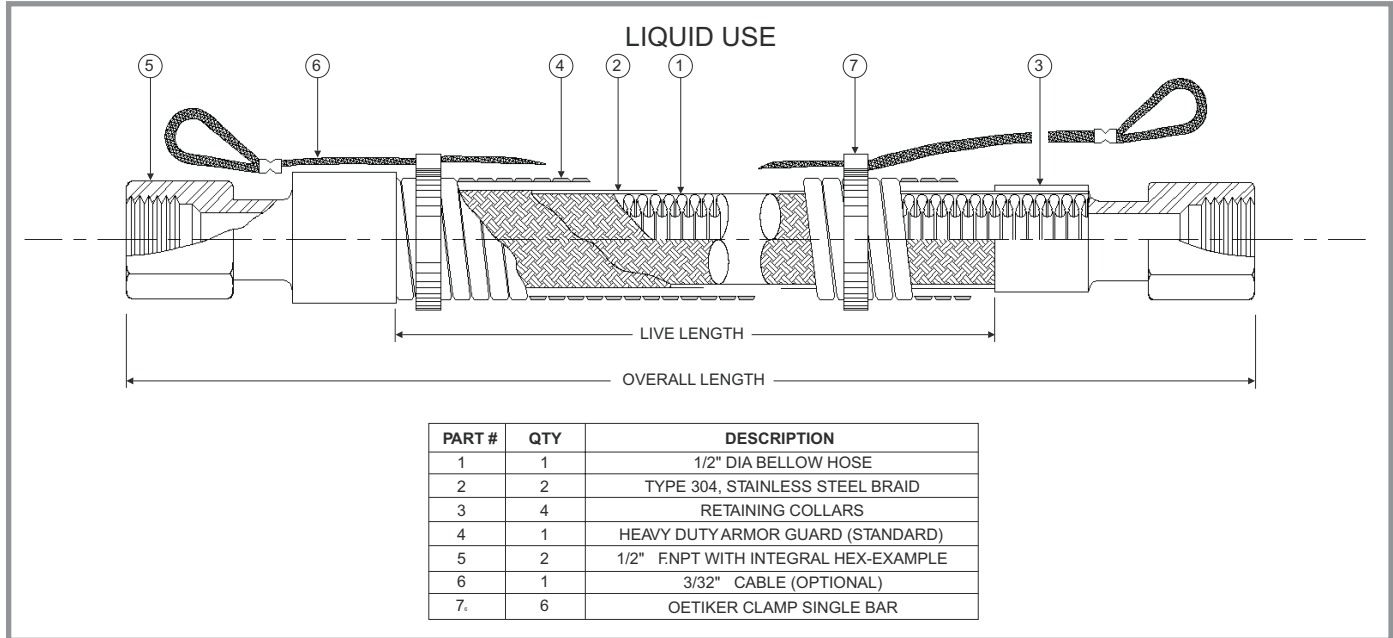
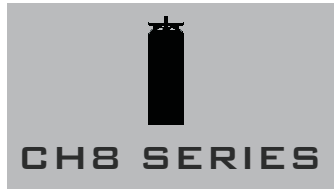
Internal Diameter	External Diameter	Design Pressure	Minimum Burst Pressure	Minimum Bend Radius	Weight lbs / ft	Minimum Working Temperature	Maximum Working Temperature
1/4"	0.50"	6000 psi	24000 psi	2"	0.065 lbs	-40°F	180°F

**HOW TO ORDER - PART NUMBER MATRIX**

<b>XH4</b>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
<b>Basic Series</b>	<b>Inlet Connection</b>	<b>Outlet Connection</b>	<b>Overall Length</b>	<b>Option</b>				
	<b>Steel</b>	<b>Steel</b>	<b>(In inches)</b>	<input type="checkbox"/> CFOS = Cleaned for oxygen service				
	<input type="checkbox"/> 4MW = 1/4" M.NPT	<input type="checkbox"/> 4MW = 1/4" M.NPT						
	<input type="checkbox"/> 4FW = 1/4" FNPT	<input type="checkbox"/> 4FW = 1/4" FNPT						
	<input type="checkbox"/> 4JIC = 1/4" F.JIC	<input type="checkbox"/> 4JIC = 1/4" F.JIC						



# LIQUID CYLINDER HOSES (CRYOGENIC LIQUID TRANSFER)



- Fittings:** Stainless steel (welded)
- Construction:** Stainless steel 304 corrugated inner core. Stainless steel 304 wire braid outer cover.
- Applications:** Transfer of cryogenic fluids (oxygen, nitrogen, argon, carbon dioxide).
- Not good for:** Transfer of sub-cryogenic fluids such as liquid hydrogen and liquid helium.
- Armor guard is standard on cryogenic transfer hoses

TECHNICAL DATA							
<b>Internal Diameter</b>	<b>External Diameter</b>	<b>Design Pressure</b>	<b>Minimum Burst Pressure</b>	<b>Minimum Bend Radius</b>	<b>Weight lbs / ft</b>	<b>Minimum Working Temperature</b>	<b>Maximum Working Temperature</b>
1/2"	0.96" <small>With armor guard</small>	1375 psi	5500 psi	3"	0.64 lbs <small>With armor guard</small>	-300°F	1500°F

## HOW TO ORDER - PART NUMBER MATRIX

<b>CH8</b>				
<b>Basic Series</b>	<b>Inlet Connection</b> Stainless steel	<b>Outlet Connection</b> Stainless steel	<b>Overall Length</b> (In inches)	<b>Option</b>
	<input type="checkbox"/> 8M = 1/2" M.NPT <input type="checkbox"/> 8F = 1/2" F.NPT <input type="checkbox"/> CGA295 = 1/2" F.JIC <input type="checkbox"/> CGA440 = 5/8" F.JIC	<input type="checkbox"/> 8M = 1/2" M.NPT <input type="checkbox"/> 8F = 1/2" F.NPT <input type="checkbox"/> CGA295 = 1/2" F.JIC <input type="checkbox"/> CGA440 = 5/8" F.JIC		<input type="checkbox"/> WG = Wire Guard <input type="checkbox"/> SG = Spring Guard <input type="checkbox"/> AG = Armor Guard <input type="checkbox"/> CFOS = Cleaned for oxygen service <input type="checkbox"/> CRN = Candadian Registration Number

