

## High Pressure Flexible Hoses

The non-porous characteristics of PTFE and its chemically inert properties coupled with zero maintenance requirements make it ideal for high pressure laser applications. Custom-machined end fittings with stainless steel locking collars and a 304 stainless steel reinforcing braid provide highly durable assembly with excellent flexibility. All hoses are encased in stainless steel armor to protect the hose from kinking, braid abrasion, and stress at the ends.



### Materials and Specifications

- **4,500 PSIG (310 BAR)**  
Maximum working pressure
- **Materials of Construction**  
316L (inner core)  
304 stainless steel (braid)  
304 stainless steel (armor casing)  
316L stainless steel (end fittings)
- **Diameter**  
.229 inches inner diameter  
.560 inches outer diameter
- **Minimum Bend Radius**  
3.0"
- **Temperature Range**  
-100°F to 450°F (-73°C to 232°C)
- **Oxygen Service**  
Cleaned to CGA G4.1 specifications

### Ordering Information

Part Number	Connections	Length (in.)	Weight (lbs.)
529-0058-CON	¼" MPT x CON *	36"	0.24
529-0258-CON	¼" MPT x CON *	72"	0.48
529-0259-CON	¼" MPT x CON *	144"	0.96
551-0310	¼" MPT x ¼" FPT	36"	0.24
551-0323	¼" MPT x ¼" FPT	72"	0.48
551-0318	¼" MPT x ¼" FPT	144"	0.96

\* Please specify

## Liquid Cylinder Hoses

Specifically designed to connect a liquid cylinder to an external vaporizer, these all-stainless hoses offer complete flexibility, durability, and fast cool-down. Machined end connections and a long collar extend the hose life, and low profile corrugations provide faster filling, lower pressure drop and less product loss. Full armor casing protects the hose from abrasion and damage.



### Materials and Specifications

- **Materials of Construction**  
321 stainless steel (inner core)  
304 stainless steel (braid)  
304 stainless steel (armor casing)  
304L stainless steel (end fittings)
- **End Connections**  
CGA (flare) x CGA (flare)
- **Diameter**  
.500 inches inner diameter  
1.00 inches outside diameter
- **Maximum Operating Pressure**  
1,000 PSIG (70 BAR)
- **Minimum Burst Pressure**  
5,000 PSIG (350 BAR)
- **Minimum Bend Radius**  
3.25"
- **Temperature Range**  
-450°F to 1500°F (-265°C to 815°C)
- **Oxygen Service**  
Cleaned to CGA G4.1 specifications

### Ordering Information

Part Number	Connections	Length (in.)	Weight (lbs.)
529-0245	CGA 440 (5/8" Flare) Liquid Oxygen	48"	2.2
529-0246	CGA 440 (5/8" Flare) Liquid Oxygen	60"	2.8
529-0247	CGA 440 (5/8" Flare) Liquid Oxygen	72"	3.4
529-0248	CGA 440 (5/8" Flare) Liquid Oxygen	120"	5.8
529-0249	CGA 440 (5/8" Flare) Liquid Oxygen	144"	7.0
529-0250	CGA 295 (½" Flare) Liquid Nitrogen and Argon	48"	2.2
529-0251	CGA 295 (½" Flare) Liquid Nitrogen and Argon	60"	2.8
529-0252	CGA 295 (½" Flare) Liquid Nitrogen and Argon	72"	3.4
529-0253	CGA 295 (½" Flare) Liquid Nitrogen and Argon	120"	5.8
529-0254	CGA 295 (½" Flare) Liquid Nitrogen and Argon	144"	7.0