

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*
1000 PSIG (70 BAR)
- *Minimum Burst Pressure*
5000 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

Part No.	Connections	Length (Weight)
529-0245	CGA 440 (5/8" Flare) Liquid Oxygen	48 inches (2.2 pounds)
529-0246	CGA 440 (5/8" Flare) Liquid Oxygen	60 inches (2.8 pounds)
529-0247	CGA 440 (5/8" Flare) Liquid Oxygen	72 inches (3.4 pounds)
529-0248	CGA 440 (5/8" Flare) Liquid Oxygen	120 inches (5.8 pounds)
529-0249	CGA 440 (5/8" Flare) Liquid Oxygen	144 inches (7.0 pounds)
529-0250	CGA 295 (1/2" Flare) Liquid Nitrogen and Argon	48 inches (2.2 pounds)
529-0251	CGA 295 (1/2" Flare) Liquid Nitrogen and Argon	60 inches (2.8 pounds)
529-0252	CGA 295 (1/2" Flare) Liquid Nitrogen and Argon	72 inches (3.4 pounds)
529-0253	CGA 295 (1/2" Flare) Liquid Nitrogen and Argon	120 inches (5.8 pounds)
529-0254	CGA 295 (1/2" Flare) Liquid Nitrogen and Argon	144 inches (7.0 pounds)

Tube Trailer Hoses

Specifically designed for use in tube trailer discharge or as a flexible line to cylinder manifolds, these zero permeation hoses meet the purity requirements of laser gases. The close-packed corrugated stainless steel inner core offers extreme flexibility, while a single piece extended braid ring and heavy duty 316L end fittings provide durable service and a long life. All hoses are cased in stainless steel armor to protect the hose from kinking, braid abrasion, and stress at the ends.



Materials and Specifications

- *Materials of Construction*
316 stainless steel (inner core)
304 stainless steel (double heavy duty braid)
302 stainless steel (armor casing)
316L stainless steel (end fittings)
- *End Connections*
1/2" MPT x 1/2" FPT
- *Diameter*
.500 inches inner diameter
1.25 inches outer diameter
- *Maximum Operating Pressure*
3500 PSIG (245 BAR)
- *Minimum Burst Pressure*
14,000 PSIG (980 BAR)
- *Centerline Bend Radius*
5.0"
- *Temperature Range*
-450°F to 1500°F (-265°C to 815°C)
- *Oxygen Service*
Cleaned to CGA G4.1 specifications

Ordering Information

Part Number	Length (Weight)
529-0260	12 feet (11.5 pounds)
529-0261	18 feet (23 pounds)
529-0262	24 feet (34.5 pounds)