

Flexible Hoses

With an inner core and end fittings of 316L stainless steel, this metal hose provides an all-welded, zero permeation and flexible alternative to pipe and tubing in laser purity gas applications, even at cryogenic temperatures. The metal-lined hose is reinforced with two layers of type 321 stainless steel braid to provide maximum protection and 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

- *Diameter*
.250 inches inner diameter
.72 inches outer diameter
- *Minimum Bend Radius*
3.0"
- *Temperature Range*
-450°F to 1500°F (-265°C to 815°C)
- *Oxygen Service*
Cleaned to CGAG4.1 specifications
- *Maximum Working Pressure*
3,000 PSIG (210 BAR)

Ordering Information

Part Number	Connections	Length (Weight)	Core	Casing
529-0031-CON	¼" MPT x CON (please specify)	36 inches (0.9 pounds)	Stainless Steel	Stainless Steel Armor
529-0044-CON	¼" MPT x CON (please specify)	36 inches (0.9 pounds)	PTFE	Stainless Steel Braid
529-0088-CON	¼" MPT x CON (please specify)	36 inches (0.9 pounds)	PTFE	Stainless Steel Armor
529-0089-540	¼" MPT x CON (please specify)	72 inches (1.8 pounds)	PTFE	Stainless Steel Armor
529-0055-CON	¼" MPT x CON (please specify)	72 inches (1.8 pounds)	Stainless Steel	Stainless Steel Armor
529-0094-CON	¼" MPT x CON (please specify)	72 inches (1.8 pounds)	PTFE	Stainless Steel Armor
529-0272-CON	¼" MPT x CON (please specify)	72 inches (1.8 pounds)	PTFE	Stainless Steel Braid
529-0256-CON	¼" MPT x CON (please specify)	144 inches (3.6 pounds)	Stainless Steel	Stainless Steel Armor

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

- *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
- *4,500 PSIG (310 BAR)*
Maximum working pressure

Ordering Information

Part Number	Connections	Length (Weight)
529-0058-CON	¼" MPT x CON (please specify)	36 inches (0.24 pounds)
529-0258-CON	¼" MPT x CON (please specify)	72 inches (0.48 pounds)
529-0259-CON	¼" MPT x CON (please specify)	144 inches (0.96 pounds)
551-0310	¼" MPT x ¼" FPT	36 inches (0.24 pounds)
551-0323	¼" MPT x ¼" FPT	72 inches (0.48 pounds)
551-0318	¼" MPT x ¼" FPT	144 inches (0.96 pounds)

CONCOA

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