

529 SERIES CRYOGENIC TRANSFER HOSES



CONCOA 529 Series Cryogenic Transfer Hoses are specifically designed for the transfer of cryogenic gases in gas phase applications. Unlike other hoses, the all stainless construction is virtually unaffected by cryogenic temperatures and offers complete flexibility, durability, and fast cool-down. Machined end connections and long collar extend the hose life, while the low profile corrugated surface ensures quicker transfer, lower pressure drop, and reduced product loss. Full armor casing protects the cryogenic transfer hose from abrasion and damage, increasing its serviceability and longevity.



Typical Applications

- Control Rate Freezers
- Environmental Chambers
- Cryopreservation Systems
- Modified Atmosphere Packaging (MAP)
- Incubator Systems

Features

All-Welded Construction eliminates permeation

Armor Flex Casing minimizes abrasions and provides anti-kink protection

Smooth Stainless Steel Reducing Collar increases flow rate and decreases contamination

Flexible Inner Core enhances maneuverability in tight spaces and reduces wear and tear

Flared Ends with Smooth Surface Finish ensures easy connect/disconnect while minimizing friction

Materials and Specifications

Max Working Pressure: 1000 PSIG (70 BAR) or greater

Inner Core: Stainless steel

Low Profile Single Braid: 304 stainless steel

Armor Flex Casing: 304L stainless steel

Minimum Burst Pressure: 5500 PSIG (380 BAR)

Minimum Bend Radius: 6 in (152 mm)

Inner Diameter: 0.5 in

Outer Diameter: 1.0 in

Temperature Range: -450°F to 1500°F (-268°C to 815°C)

Conformances: Cleanliness meets or exceeds CGA G-4.1; CRN OD18143.5

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Ordering Information

Part No.	Description	Cylinder Connections	Max Pressure	Hose Length
529 0245	Cryogenic Hose for Liquid Oxygen	Stainless Steel CGA 440 (5/8 in 45° female flare)	1375 PSIG (95 BAR)	4 ft (1.2 m)
529 0246	Cryogenic Hose for Liquid Oxygen	Stainless Steel CGA 440 (5/8 in 45° female flare)	1375 PSIG (95 BAR)	5 ft (1.5 m)
529 0247	Cryogenic Hose for Liquid Oxygen	Stainless Steel CGA 440 (5/8 in 45° female flare)	1375 PSIG (95 BAR)	6 ft (2 m)
529 0248	Cryogenic Hose for Liquid Oxygen	Stainless Steel CGA 440 (5/8 in 45° female flare)	1375 PSIG (95 BAR)	10 ft (3 m)
529 0249	Cryogenic Hose for Liquid Oxygen	Stainless Steel CGA 440 (5/8 in 45° female flare)	1375 PSIG (95 BAR)	12 ft (3.6 m)
529 0250	Cryogenic Hose for Liquid Nitrogen and Argon	Stainless Steel CGA 295 (1/2 in 45° female flare)	1330 PSIG (92 BAR)	4 ft (1.2 m)
529 0251	Cryogenic Hose for Liquid Nitrogen and Argon	Stainless Steel CGA 295 (1/2 in 45° female flare)	1330 PSIG (92 BAR)	5 ft (1.5 m)
529 0252	Cryogenic Hose for Liquid Nitrogen and Argon	Stainless Steel CGA 295 (1/2 in 45° female flare)	1330 PSIG (92 BAR)	6 ft (2 m)
529 0253	Cryogenic Hose for Liquid Nitrogen and Argon	Stainless Steel CGA 295 (1/2 in 45° female flare)	1330 PSIG (92 BAR)	10 ft (3 m)
529 0254	Cryogenic Hose for Liquid Nitrogen and Argon	Stainless Steel CGA 622 (1/2 in 45° female flare)	1330 PSIG (92 BAR)	12 ft (3.6 m)
529 0266	Cryogenic Hose for Liquid Carbon Dioxide	Brass CGA 622 x 1/4 in FNPT	1000 PSIG (70 BAR)	4 ft (1.2 m)
529 0267	Cryogenic Hose for Liquid Carbon Dioxide	Brass CGA 622 x 1/4 in FNPT	1000 PSIG (70 BAR)	6 ft (2 m)