



Versilon® Polar Hose

CARBON DIOXIDE TRANSFER HOSE

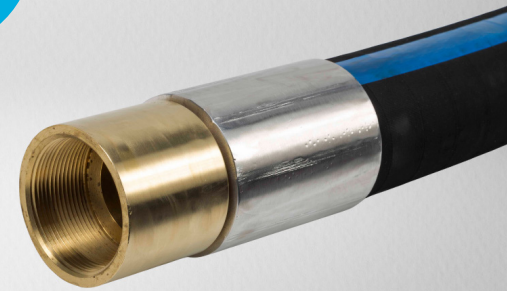
Versilon® Polar hose is engineered specifically for the safe and efficient bulk transfer of carbon dioxide (CO₂). Unlike traditional rubber hydraulic hoses, which may degrade upon exposure to CO₂ and cold temperatures, Versilon® Polar Hose utilizes a specially formulated EPDM elastomer that resists deterioration and remains flexible in low-temperature environments.

Its stainless steel braid reinforcement enhances strength and durability, while the perforated EPDM cover helps prevent pressure buildup. Versilon® Polar hose is lightweight and easy to handle, making it a practical choice for demanding CO₂ applications.

Unlike corrugated metal hoses that can trap solid CO₂ and cause plugging during transfer, Versilon® Polar hose features a smooth inner surface, ensuring reliable flow and easier handling in cold conditions.

Typical Applications

- Beverage carbonation
- Food-grade CO₂ transport
- Refrigeration
- Bulk transfer
- Fill stations



Features and Benefits

- Designed specifically for CO₂ bulk transfer
- Remains flexible at low temperatures
- Special low-temp EPDM liner
- Perforated cover protects hose and prevents pressure buildup

Regulatory Compliance

- CGA G-6.6 – Standard for Carbon Dioxide Bulk Transfer Hose
- FDA 21 CFR 177.2600 – (e) repeated use with aqueous food temperatures



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Versilon® Polar Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius		Weight	
	(in)	(mm)	(in)	(mm)	73°F (psi)*	(MPa)*	(in)	(mm)	(lb/ft)	(kg/m)
7716POLAR	1.000	25.4	1.500	38.1	450	31.03	12.0	304.8	0.64	0.95
7724POLAR	1.500	38.1	2.000	50.8	450	31.03	20.0	508.0	0.93	1.38
7732POLAR	2.000	50.8	2.625	66.8	450	31.03	25.0	635.0	1.54	2.29

*Working pressures are calculated at a 1:4 ratio relative to burst pressure using ASTM D1599.

Construction

Inner Tube:	Black EPDM
Cover:	Perforated Black EPDM
Reinforcement:	SS Braid (1 / 1 / 2)
Color:	Black with Blue Layline
Temperature Rating:	-65°F to +212°F
Maximum Length:	100 ft coil

Fitting Options

- Crimp style fittings
 - Fittings meant for CGA applications
 - Brass, Stainless steel, aluminum



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