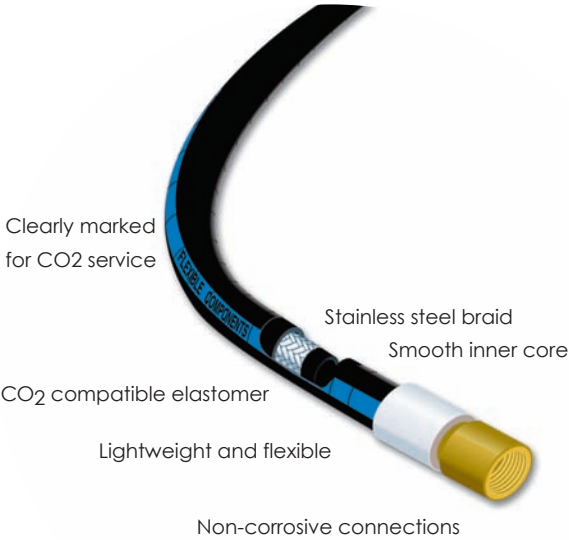# *Polar Hoses*

VALUE ADDED.

Customer relationships are our top priority.

- Specifically designed for bulk CO_2 transfer
- Use a special elastomer, compatible with CO_2 and low temperatures
- Strength and durability > stainless steel braids and non-corrosive fittings
- Lightweight, flexible, & strong
- Best choice for CO_2 bulk liquid transfer

Clearly marked for CO2 service

Stainless steel braid
Smooth inner core

CO_2 compatible elastomer

Lightweight and flexible

Non-corrosive connections

Hose Comparison

	Lightweight	Smooth inner core	Flexible when cold
Polar®	Yes	Yes	Yes
Metal	No	No	Yes

	Swelling/cracking resistant	Designed for CO2	Corrosion -resistant braid
Polar®	Yes	Yes	Yes
Metal	Yes	No	Yes

Polar® Hose Specs

Part	Nominal Size I.D.		Size O.D.		Max Working Pressure		Min Burst Pressure		Weight		Temperature Range	
	in.	mm	in.	mm	psi	bar	psi	bar	lb./ft.	kg/m	°F	°C
16POL	1	25.40	1.50	38.10	450	31.03	1800	124.13	0.64	0.95	-65 to 212	-54 to 100
24POL	1-1/2	38.10	2.00	50.80	450	31.03	1800	124.13	0.93	1.38	-65 to 212	-54 to 100
32POL	2	50.80	2.63	66.80	450	31.03	1800	124.13	1.54	2.29	-65 to 212	-54 to 100

Carbon Dioxide Applications – Polar® Hose End Fittings & How to Order
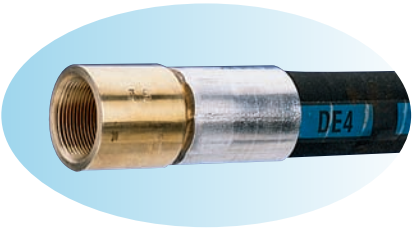
Female NPT – Style 05
Sizes: 1", 1-1/2", 2"
Available in: Brass
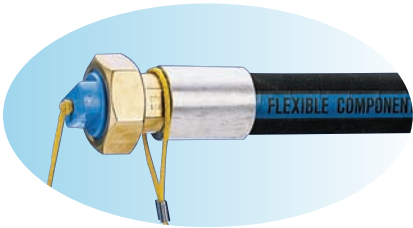
CGA Connection – Style 77
Sizes: 1", 1-1/2", 2"
Available in: Brass

How to Order a Polar® Hose

Part Number Example: 16POL0505UAB-240"

Description: 1" I.D. Polar Hose, with 1" brass female NPT one end and 1-1/2" brass female NPT on the other end, 240" overall length.

16	POL	05		05	U	AB	240
Hose I.D. Size (in 1/16")	Hose Style	Fitting Style 1st End	1st Fitting Step Up From Hose Size	Fitting Style 2nd End	2nd Fitting Step Up From Hose Size	Fitting Material – Both Ends	Length (Inches)
16 (1)	POL	05	U = Step Up	05	U = Step Up	AB = A for aluminum collar, B for brass fitting	
24 (1-1/2)		77		77			
32 (2)							

Follow These Simple Steps

Choose the code from each column that defines the part you want to order. Write the codes left to right, in column order, to create a part number.

For Example:

1. Select hose size in 16ths of an inch = 16
2. Select hose style = POL
3. Select the fitting style for the first end = 05
4. Add the step up letter for off-size fitting from the hose size for the first fitting = None
   (Leave blank if fitting size is same as hose size)
5. Select the fitting style for the second end = 05
6. Add the step up letter for off-size fitting from the hose size for the second fitting = U
   (Leave blank if fitting size is same as hose size)
7. Select the fitting material = AB
8. Select length in inches = 240