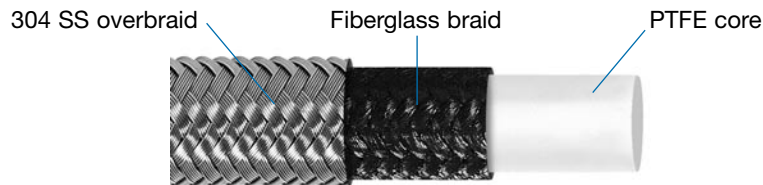


Smooth-Bore PTFE Hose

Coreflex™ Series BX-COR

Features



- -65 to 450°F (-53 to 230°C) temperature rating
- Smooth-bore PTFE core:
 - Chemically inert
 - Easy to clean
 - Nonaging, nonstick surface
 - Ultralow extractibles
 - Nonabsorbent; will not impart taste or odor.
- Easy to bend
- Drains easily
- Can be autoclaved and sterilized
- Optional carbon black PTFE core available for applications that require static dissipation
- Fiberglass braid:
 - Bonded to the core with a patent-pending process
 - Aids hose hoop strength to reduce kinking.
- 300 series stainless steel overbraid:
 - Protects core from abrasion
 - Enhances hose pressure rating.
- 316 stainless steel end connections with 304 stainless steel radially crimped collars
- Sanitary end connections:
 - Heat traceable 316L stainless steel
 - Surface finish not to exceed 15 µin. (0.38 µm) R_a
 - Internally chamfered—smooth transition between hose and end connections.
- Optional PET polyester film hose identification tag:
 - Easy to read; includes hose ordering number plus up to five lines of customer-specified text.
 - Can be autoclaved and sterilized; does not hinder hose flexibility.

Product/Material Approvals

- FDA 21CFR Part 177.1550
- USDA
- USP Class VI
- 3-A

Technical Data

Nominal Hose Size in. (mm)	Hose ID in. (mm)	Hose OD in. (mm)	Static Bend Radius ^② in. (cm)	Temperature Range °F (°C)	Working Pressure at 70°F (20°C) psig (bar)	Burst Pressure at 70°F (20°C) psig (bar)	Weight lb/ft (kg/m)
1/4 (6.4)	0.25 (6.4)	0.46 (11.7)	1.25 (3.18)	-65 to 450 (-53 to 230)	3500 (241)	14 000 (964)	0.12 (0.18)
3/8 (9.6)	0.38 (9.6)	0.57 (14.5)	1.75 (4.44)		3000 (206)	12 000 (826)	0.18 (0.27)
1/2 (12.7)	0.50 (12.7)	0.76 (19.3)	2.50 (6.35)		2000 (137)	8 000 (551)	0.30 (0.45)
3/4 (19.0)	0.75 (19.0)	1.00 (25.4)	3.50 (8.89)		1250 (86.1)	5 000 (344)	0.46 (0.68)
1 (25.4) ^①	1.00 (25.4)	1.32 (33.5)	5.50 (14.0)		1000 (68.9)	4 000 (275)	1.1 (1.6)

Pressure-temperature ratings may be limited by the end connections. Contact your authorized Swagelok sales and service representative for elevated pressure-temperature ratings.

① Constructed with two stainless steel braids and no fiberglass braid reinforcement.

② Measured to center line of bend.

Additional Considerations

PTFE is a permeable material. Gases, vapors, and liquids can migrate through the PTFE core. The rate of permeation is affected by many application-specific variables.

