

CONSTRUCTION OF HOSE

SMOOTH PTFE LINER – INNER LAYER

- Polytetrafluoroethylene - PTFE Liner
- Non-absorbent non-stick surface
- Will not impart taste or odor
- Non-Contaminating & easy to clean
- Non-aging: no deterioration over time
- Chemical resistance allows for the handling of various fluids
- Reduces entrapment & build-up of deposits
- Low friction

STAINLESS STEEL BRAID

- Constructed of 304 braided stainless steel
- Strengthens the PTFE hose core
- Increases the bending capability of hose
- Protects the PTFE hose core from damage
- Unique braid reinforcement allows hose to maintain its shape

EXTRUDED SILICONE JACKET – OUTER LAYER

- Rated for high temperature
- Smooth, cleanable, non-contaminating surface
- Compatible with a wide variety of chemicals
- Extra protection from hot and cold media transfers through PTFE hose

HOSE FITTINGS

- Tubing and connections have identical dimension match
- Hose fittings are 316 stainless steel
- Crimp collars are 304 stainless steel
- Custom hose fittings are available
- Other materials available: hastelloy, inconel, and brass
- Jump size hose fittings are available, which decreases potential leak points
- Electro-Polished fittings available
- Cleaning for oxygen service and other cleaning specs

THE FLEXFIT HOSE DIFFERENCE!

- 100% Hydrostatically tested
- Cleaned, capped, & individually bagged
- Material & test report with every order
- All products are labeled for tractability
- Commitment to customer service excellence



APPROVALS

Complies with following standards:

- USP Class VI
- FDA 21 CFR177.1550
- USDA
- 3A Sanitary Standards

SAMPLE APPLICATIONS

- | | |
|----------------------|----------------------|
| • Load Cell | • Sanitary Transfer |
| • Bulk Transfer | • Oil Supply Lines |
| • CIP / SIP Systems | • Sampling Systems |
| • Filling Equipment | • Paint Sprays |
| • Steam Transfer | • Feed Lines |
| • Fermentation Lines | • Acid Transfer |
| • Process Lines | • Solvent Transfer |
| | • Mold Press |
| | • Adhesive Conveying |

BENEFITS

- Temperature range from -100°F 450°F
- True inner diameter or I.D.
- Full vacuum rated
- Easily drains
- PTFE hose is highly flexible
- Can be sterilized and autoclaved
- Thick or heavy-wall core PTFE hose design

Name	Working Pressure	Burst Pressure	Hose I.D. (Inches)	Hose O.D. (Inches)	Bend Radius (Inches)	Weight (LBS)
ST-FLEX-02	3,500 PSI	15,000 PSI	0.125 IN	0.43 IN	1.5 IN	0.11 LBS/FT
ST-FLEX-04	3,250 PSI	13,000 PSI	0.25 IN	0.50 IN	1.5 IN	0.13 LBS/FT
ST-FLEX-06	2,500 PSI	10,000 PSI	0.375 IN	0.65 IN	2.0 IN	0.15 LBS/FT
ST-FLEX-08	2,000 PSI	8,000 PSI	0.50 IN	0.81 IN	3.0 IN	0.18 LBS/FT
ST-FLEX-12	1,000 PSI	4,500 PSI	0.75 IN	1.02 IN	8.2 IN	0.35 LBS/FT
ST-FLEX-16	1,000 PSI	4,000 PSI	1.00 IN	1.36 IN	12.0 IN	0.68 LBS/FT

Note: All hoses shown are also offered with conductive core (STB)
Note: ST-FLEX-16 has a blown on cover and not extruded.

Part Numbering

Hose Size	Hose Style	Fitting Style	Options	Length
02 (1/8")	ST/STB	02 Female JIC	AG - Armor Guard	X"
04 (1/4")	ST/STB	03 Male Pipe NPT	EP - Electro Polished	
06 (3/8")	ST/STB	06 Female Pipe NPT	FS - Fire Sleeve	
08 (1/2")	ST/STB	07 Female NPT Union	FT - Flex Tag	
12 (3/4")	ST/STB	08 Male NPT Union	MT - Mylar Tag	
16 (1")	ST/STB	10 Sanitary Tri-Clover	OC - Oxygen Cleaned	
		11 Mini Sanitary Tri-Clover	SG - Spiral Guard	
		12 Flange #150 or #300	SPG - Spring Guard	
		31 Male Compression		
		32 Tube Adaptor		
		34 Female Face Seal		

Example of Part Number: 04ST1011FT-89"

04	ST	10	11	FT	-89"
Hose Size	Hose Style	Hose Fitting 1	Hose Fitting 2	Option	Length

