



## Versilon™ TH Hose

### Stainless Steel Braided Anti-Static High Pressure Fluoropolymer Hose

Saint-Gobain Performance Plastics' Versilon TH hose is constructed with a black electrostatic dissipating conductive PTFE inner core and reinforced with densely packed high tensile 304 stainless steel braid. TH hose is a long-life hose for high pressure hydraulic or pneumatic applications. The pressure is rated to 5,000 psi regardless of ID size. The non-stick PTFE inner core is ideal for viscous material transfer.

Versilon TH hose is designed with a full size internal diameter to maximize the flow rate, providing greater transfer speed when compared with similar products that come with a smaller inner diameter. TH hose is engineered to reduce the pressure drop through the fitting area, promoting a longer service life.

TH hose is flexible, chemical and moisture resistant and features low volumetric expansion.

#### Features and Benefits

- Long-life hose for high pressure hydraulic or pneumatic applications
- Pressure rated to 5000 psi regardless of ID size
- Flexible
- Chemical and moisture resistant
- Low volumetric expansion
- Minimizes losses due to pressure drop
- Anti-kink stainless steel armor available (recommended)
- Flame-resistant firesleeve also available

#### Typical Applications

- Airline ground support equipment (GSE)
- Styrofoam manufacturing
- High pressure machinery
- Tube trailer loading / unloading
- External aircraft starting
- Fluid transfer

## TH Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Operating Pressure (room temp)		Minimum Burst Pressure (room temp)		Minimum Burst Pressure 400°F (204°C)		Minimum Bend Radius		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(psi)	(MPa)	(in)	(mm)	(lb/ft)	(kg/m)
1704TH000	0.22	5.6	0.39	9.8	5,000	34.47	16,000	110.32	12,000	82.74	1.50	38.1	0.10	0.15
1706TH000	0.31	8.0	0.52	13.1	5,000	34.47	16,000	110.32	10,500	72.39	2.50	63.5	0.17	0.25
1708TH000	0.41	10.3	0.63	16.0	5,000	34.47	16,000	110.32	10,500	72.39	2.90	73.7	0.24	0.36
1710TH000	0.50	12.7	0.76	19.3	5,000	34.47	16,000	110.32	9,000	62.05	3.30	83.8	0.34	0.51
1712TH000	0.65	16.5	0.99	25.1	5,000	34.47	16,000	110.32	9,000	62.05	4.00	101.6	0.68	1.02
1716TH000	0.88	22.2	1.32	33.4	5,000	34.47	16,000	110.32	9,000	62.05	5.00	127.0	1.16	1.72

**Important:**  
Burst pressure ratings at ambient 70°F (21°C).

NOTE: Weights and outside diameter dimensions are nominal. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies.

## Construction

Inner Tube:	Black electrostatic dissipating conductive PTFE			
Reinforcement:	Densely packed high tensile 304 stainless steel wire braid - Reinforcement design varies by size			
Temperature Rating:	-65°F to +400°F -54°C to +204°C			
Average Length:	1/4" 3/8" 1/2"	40' 40' 50'	5/8" 3/4" 1"	30' 20' 20'

## Fitting Options

### Versilon Crimp Style Fittings

- Large selection of crimp-style fittings
- Type 316 stainless steel
  - J.I.C. female swivel (Style 02)
  - Male NPT (Style 03)
  - Female NPT (Style 06)
  - J.I.C. adapter union male (Style 08)
  - O-Ring (Style 33)
- Only those fittings that correspond in nominal size to the six sizes in the TH series can be used

## Common Media

- Hydraulic fluid
- High pressure compressed gases

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