

STYLE SF-TSC METAL HOSE LINED WITH PTFE

The benefits of a corrugated metal hose combined with the corrosion resistance of PTFE

Unisource Style SF-TSC hose utilizes a very specialized construction to create a flexible connector suitable for the most severe applications.

Style SF-TSC is constructed using close-pitch, annually corrugated metal hose. A smooth-bore white PTFE liner is inserted into the hose and locked into place. Ends of the PTFE liner are flared over the stainless steel stub retainers that are welded to each end of the hose. This creates a hose connector with all wetted surfaces being PTFE. Floating flanges rotate behind the stub retainers.

Corrugated metal hose can be either T321 stainless steel (SF21-TSC) or T316 stainless steel (SF31-TSC). Standard single braid is made of T304 stainless steel. Special T316 stainless steel braid material is available on special order. Floating flanges do not contact the stream flow, and can be constructed of carbon steel, T304 or T316 stainless steel.

Style SF-TSC hose is often used as a short connector between mechanical equipment or tanks and the solid piping system. They are often used to help reduce the effects of equipment induced noise, vibration, or shock, and offset movements caused by seismic activity or equipment settling. **Style SF-TSC** connectors provide high working pressures, superior corrosion resistance, moderate flexibility—even at elevated temperatures.

The stainless steel convoluted outer hose of **Style SF-TSC** acts as a double containment device, and reduces opportunity for catastrophic failure and environmental releases. The PTFE tube is also cleanable under most common methods and is made of FDA approved materials, making the **Style SF-TSC** connector ideal in sanitary applications.

While typical convoluted Teflon hose is only available in sizes up to 3" or 4", **Style SF-TSC** hose can easily be made in sizes as large as 12" diameter.

Available Styles:

SF21-TSC – Type 321 Stainless steel hose, single T304 stainless steel braid.

SF31-TSC – Type 316 Stainless steel hose, single T304 stainless steel braid.

Flange Types:

Material – Carbon steel, T304 or T316 stainless steel.

Class – ANSI Class 150 or 300 lbs. Flanges rotate in place for easy alignment.



Style SF-TSC hose combines the advantages of metal hose and PTFE liners.



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Style SF-TSC PTFE Lined Metal Hose....Advantages

Secondary Containment. Stainless steel convoluted outer hose reduces opportunity for catastrophic failure and environmental releases.

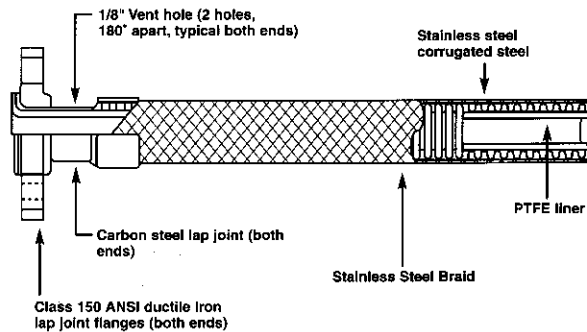
Corrosion Resistant. Style SF-TSC connectors have no exposed metal fittings to the media stream. All wetted surfaces are PTFE.

Wide Ranging Temperature. Can be used in applications from -65°F. to +350°F.

Cleanable. Non-stick, low-porosity PTFE tube does not trap bacteria and can be readily cleaned with steam, detergents, caustics, or solvents.

Sanitary. FDA approved materials meet or exceed 3-A requirements and will not contaminate or impart taste, color, or odor.

Durable. Designed for extended use in hostile environments involving severe chemical, thermal and mechanical stresses. Does not suffer aging or embrittlement, even with extreme thermal cycling.



Style SF-TSC PTFE-Lined Metal Hose (Temperature Rating: -65 Deg. F. to +350 Deg. F.)

Size (In.)	Working Pressure @ 70 Deg. F. (PSIG)	Working Pressure @ 350 Deg. F.	Bend Radius (In.)	Vacuum Rating @ 70 Deg. F. (In. Hg.)	Approximate Weight Per Foot (Lbs.)
1-1/2	400	330	15	29.9	3.9
2	300	250	21	29.9	5.0
3	200	165	28	29.9	5.25
4	150	120	46	20	5.5
6	150	120	65	20	13
8	125	100	89	20	20
10	100	80	112	20	26
12	90	70	116	20	35



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