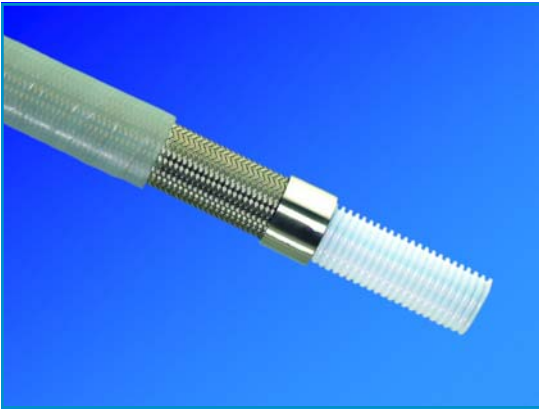


Bioflex SSSI Series

Hose Specifications



Silicone Covered, Stainless Steel Braided Smoothbore PTFE Lined Bioflex Hose

Silicone Rubber Covered

For the most rugged applications as well as higher temperatures up to 324°F. Also for hygienic applications, where the external smoothness and cleanliness of the hose is of prime importance.

Bioflex GP/AS PTFE Tube

Bioflex GP Natural, General Purpose grade virgin PTFE, for use in all applications where fluids or gases being conveyed are not highly electrically resistant.

Bioflex AS Black, Anti-Static PTFE, suitable for use in applications where electrically resistive fluids, such as fuels, solvents or freons, or pure, dry gasses such as halogens or steam are being conveyed. Bioflex AS prevents a damaging electrostatic build-up at high flow rates.

Bioflex AS meets the anti-static hose requirements of BS2050:1978. The resistance is measured between the (wetted) inside surface of the hose liner and an end fitting, and this resistance must not exceed 10⁷ ohms. When using an AS hose, one end fitting must always be connected to earth.

Temperature Rating

-40°F to +356°F

Approvals

Bioflex GP

- FDA CFR 177.1550

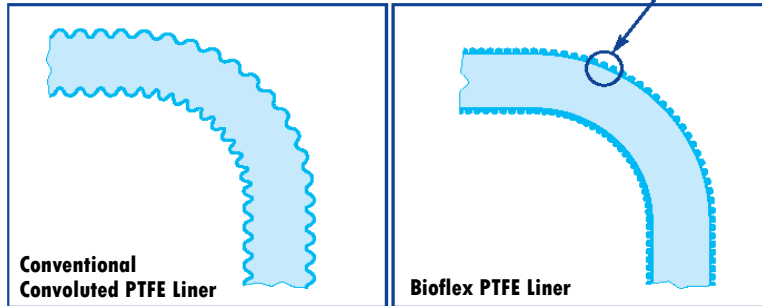
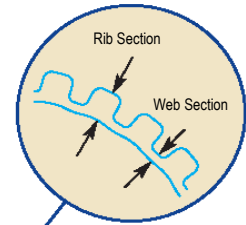
Bioflex AS

- FDA CFR 178.3297

The Bioflex PTFE liner design comprises integral *rib* sections (which support the tube against kinking, vacuum and pressure) and highly compressed *web* sections (which give a smoothbore inner surface and excellent flexibility).

Fittings

Bioflex is available with a range of 'standard' end fittings, normally supplied hygienically PTFE lined, or "Flared Through"



Bioflex GP/AS SSSI Hose Specifications

Part Number	Hose Size ID	Approx. OD W/Cover	Maximum Working Pressure*		Minimum Burst Pressure		Minimum Bend Radius	Max Continuous Hose Length	Weight Per Ft.
	Inches		BAR	PSI	BAR	PSI	Inches		
(GP or AS) SSSI 1/2	1/2	0.85	70	1015	280	4061	2 3/8	33	.26
(GP or AS) SSSI 5/8	5/8	1.00	65	942	260	3770	2 5/8	33	.31
(GP or AS) SSSI 3/4	3/4	1.15	60	870	240	3480	3	33	.37
(GP or AS) SSSI 7/8	7/8	1.30	55	797	220	3190	3 1/2	16	.50
(GP or AS) SSSI 1	1	1.45	50	725	200	2900	4 1/4	16	.62
(GP or AS) SSSI 1 1/4	1 1/4	1.70	45	652	180	2610	5 1/2	16	.77
(GP or AS) SSSI 1 3/8	1 3/8	1.80	40	580	160	2320	6 1/4	16	.93
(GP or AS) SSSI 1 1/2	1 1/2	2.15	40	580	160	2320	7	16	1.04
(GP or AS) SSSI 1 7/8	1 7/8	2.55	35	507	140	2030	11	16	1.30
(GP or AS) SSSI 2	2	2.70	30	435	120	1740	12	16	1.72

*Maximum Working Pressure of a hose assembly is limited to the lowest of the maximum working pressure of either of the two end fittings, data given is for hose only.

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