

Process PTFE Hoses - Smoothflow T(A)WFS

THE ULTRA HYGIENIC FLEXIBLE SOLUTION

Smoothflow hoses are available in diameters from 1/2" - 2" (DN12-DN50)*. Smoothflow is a seamless, ultra hygienic, flexible, non convoluted, smooth PTFE hose with a stainless steel vacuum spiral and several different braid options. Excellent vacuum and pressure ratings, even at elevated temperatures.**

FDA approved Virgin and anti-static liners, ATEX certified tube.*** Smoothflow hose assemblies can be made with a wide range of end connection options in materials such as plated steel, 316L stainless steel, hastelloy and PTFE lined " Tafted".

Ideally suited to applications requiring hygienic cleaning, transfer of viscous or corrosive media, high flexibility requirements with easy draining.

Our PTFE hose liners comply with...

21 CFR 177.1550.

21 CFR 178.3297.

Meets the requirements of US Pharmacopeia Class VI.

BPSA/FDA leachables and extractables recommendations.

3-A Sanitary Standards.

European Migration Directive1935/2004.

ATEX directives 1999/92/CE

Key Features of PTFE

Wide temperature range of -70 deg C to +260 deg C.

Excellent insulation, dielectric properties.

Extremely low coefficient of friction; non-stick!

PTFE is hydrophobic (will not absorb moisture).

Excellent UV resistance.

Unlimited shelf life.

Excellent flex fatigue qualities. Exceeds all other hose rivals.

PTFE conforms to FDA 21 CFR 177.1550.

Anti-static PTFE conforms to FDA 21 CFR 178.3297 and is non-leaching.

Chemically inert, with the exception of a small number of unusual substances and conditions, including: liquid boiling sodium metal and fluorine gas at high pressure and temperature.

* additional diameters available - contact our offices for details

** apply pressure derating at elevated temperatures --contact our offices for details

*** Only the anti static version of the Coreflow PTFE tube complies to ATEX directive



Smoothflow with 304 stainless steel outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Bend Radius	WP Bar 20°C	BP Bar 20°C	REF Virgin (Anti-Static)
1/2"	11.50	1.25	15.80	38	50	250	T(A)WFSB1012
5/8"	15.50	1.25	20.50	42	50	250	T(A)WFSB1016
3/4"	18.50	1.00	23.60	50	60	290	T(A)WFSB1020
1"	22.80	1.00	27.70	70	40	210	T(A)WFSB1025
1 1/4"	30.50	1.50	36.80	85	30	210	T(A)WFSB1032
1 1/2"	36.50	1.50	43.10	100	25	175	T(A)WFSB1040
2"	48.50	1.65	55.20	140	20	135	T(A)WFSB1050

Working temperature range: -70 to 260 deg C (media temperature within the hose) Reduce working pressure at temperatures over 100 deg C. For more details please contact our office 01 2011911

Smoothflow with Polypropylene outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Bend Radius	WP Bar 20°C	BP Bar 20°C	REF Virgin (Anti-Static)
1/2"	11.50	1.25	21.60	38	10	40	T(A)WFSB6012
5/8"	15.50	1.25	25.40	42	10	40	T(A)WFSB6016
3/4"	18.50	1.00	29.60	50	10	40	T(A)WFSB6020
1"	22.80	1.00	32.60	70	10	40	T(A)WFSB6025
1 1/4"	30.50	1.50	41.30	85	10	40	T(A)WFSB6032
1 1/2"	36.50	1.50	48.70	100	10	40	T(A)WFSB6040
2"	48.50	1.65	61.20	140	10	40	T(A)WFSB6050

Working temperature range: -70 to 90 deg C (media temperature within the hose) Reduce working pressure at temperatures over 100 deg C. For more details please contact our office 01 2011911

Smoothflow with EPDM covered stainless steel outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Bend Radius	WP Bar 20°C	BP Bar 20°C	REF Virgin (Anti-Static)
1/2"	11.50	1.25	22.80	60	16	64	T(A)MCFB1EP012
5/8"	15.50	1.25	27.50	65	16	64	T(A)MCFB1EP016
3/4"	18.50	1.00	30.60	80	16	64	T(A)MCFB1EP020
1"	22.80	1.00	34.70	120	16	64	T(A)MCFB1EP025
1 1/4"	30.50	1.50	43.80	155	16	64	T(A)MCFB1EP032
1 1/2"	36.50	1.50	50.10	200	16	64	T(A)MCFB1EP040
2"	48.50	1.65	62.20	250	16	64	T(A)MCFB1EP050

Working temperature range: -70 to 160 deg C (media temperature within the hose) Reduce working pressure at temperatures over 100 deg C. For more details please contact our office 01 2011911

Please note that all the above pressure and temperature data refers to the hose only, the choice of end connections and seals may reduce the overall working pressure and temperature rating of the finished assembly.

