

Process PTFE Hoses Xtra-Flow®

PTFE lined hoses for Biotech & Pharmaceuticals

The Xtra-Flow® range of ultra hygienic smooth bore PTFE hoses with its convoluted outer offers unbeatable flexibility with a smooth bore. The Xtra-flow® range is available in diameters from 1/2" to 2". Xtra-Flow® has a smooth, seamless, ultra hygienic, flexible, externally convoluted PTFE liner. Xtra-Flow® is available with several outer braids and finishes. Xtra-Flow® has excellent vacuum and pressure ratings, even at elevated temperatures.**

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

Ideally suited to applications requiring flexibility, an ultra hygienic transfer, highly effective cleaning & sterlisation and complete 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.

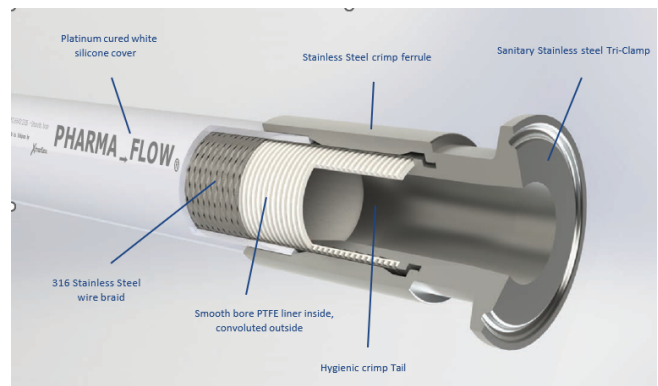
Anti-static PTFE conforms to FDA 21 CFR 178.3297 and is non-

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 de-rating at elevated temperatures - contact our office for details

*** Only the anti static version of the Xtra-Flow® PTFE tube complies to ATEX directive



Xtra-Flow® with 316 SS outer braid

Size	I/D Nominal	O/D Nominal	Weight gr / m	Bend Radius	WP Bar 20°C	BP Bar 20°C	Vacuum Barg 20°C
1/2"	13.10	18.00	275	37	114	457	-0.9
5/8"	16.30	21.60	373	50	102	409	-0.9
3/4"	19.60	24.50	417	77	87	347	-0.9
1"	25.50	32.60	776	80	81	324	-0.9
1 1/4"	32.40	39.60	912	100	63	251	-0.9
1 1/2"	39.00	46.80	1175	145	55	220	-0.9
2"	51.00	59.10	1563	250	47	189	-0.9

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

Pure-Flow® with EPDM rubber covered 316 SS outer braid

Size	I/D Nominal	O/D Nominal	Weight gr / m	Bend Radius	WP Bar 20°C	BP Bar 20°C	Vacuum Barg 20°C
1/2"	13.10	23.00	522	37	114	457	-0.9
5/8"	16.30	27.00	603	50	102	409	-0.9
3/4"	19.60	31.00	817	77	87	347	-0.9
1"	25.50	38.70	1016	80	81	324	-0.9
1 1/4"	32.40	46.00	1272	100	63	251	-0.9
1 1/2"	39.00	52.00	1735	145	55	220	-0.9
2"	51.00	67.00	2318	250	47	189	-0.9

Working temperature range: -70 to 170 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

Pharma-Flow® with Silicone covered 316 SS outer braid

Size	I/D Nominal	O/D Nominal	Weight gr / m	Bend Radius	WP Bar 20°C	BP Bar 20°C	Vacuum Barg 20°C
1/2"	13.10	23.00	522	37	114	457	-0.9
5/8"	16.30	27.00	603	50	102	409	-0.9
3/4"	19.60	31.00	817	77	87	347	-0.9
1"	25.50	38.70	1016	80	81	324	-0.9
1 1/4"	32.40	46.00	1272	100	63	251	-0.9
1 1/2"	39.00	52.00	1735	145	55	220	-0.9
2"	51.00	67.00	2318	250	47	189	-0.9

Working temperature range: -70 to 200 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.

