

Process PTFE Hoses - Convoflow TC(A)M

THE HEAVY DUTY FLEXIBLE SOLUTION

Convoflow hoses are available in diameters from 1/4" - 6" (DN06- DN150)*. Convoflow is a seamless, helically wound, free draining, convoluted, medium wall PTFE hose with or without a stainless steel vacuum spiral and several different braid options.

Convoflow is extremely flexible even in short assemblies and has excellent vacuum and pressure ratings, even at elevated temperatures.**

FDA approved Virgin and anti-static liners, ATEX certified tube.***
Convoflow 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 short lengths, manual handling, the transfer of corrosive media, dynamic applications and those requiring high flexibility

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 Directive 1935/2004.

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



Convoflow with 304 stainless steel outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Radius	WP / BP Bar 20°C	Virgin (Anti-Static)
3/4"	20.00	1.00	30.00	55	60 / 290	TC(A)MB1020
1"	25.00	1.00	36.20	85	40 / 210	TC(A)MB1025
1 1/4"	32.00	1.00	44.00	100	30 / 210	TC(A)MB1032
1 1/2"	37.00	1.50	48.55	120	25 / 175	TC(A)MB1040
1 3/4"	45.00	1.50	58.60	135	20 / 135	TC(A)MB1045
2"	50.00	1.65	63.60	165	20 / 135	TC(A)MB1050
2 1/2"	63.00	1.60	85.00	230	15 / 80	TC(A)MB1065
3"	74.00	1.60	95.00	260	13 / 65	TC(A)MB1080
4"	97.00	1.82	124.30	300	10 / 40	TC(A)MB1100
5"	128.00	2.2	156.00	450	6 / 24	TC(A)MB1125
6"	152.00	2.5	184.00	520	6 / 24	TC(A)MB1150

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

Convoflow with Polypropylene outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Radius	WP / BP Bar 20°C	Virgin (Anti-Static)
3/4"	20.00	1.00	30.00	55	10 / 40	TC(A)MB6020
1"	25.00	1.00	36.20	85	10 / 40	TC(A)MB6025
1 1/4"	32.00	1.00	44.00	100	10 / 40	TC(A)MB6032
1 1/2"	37.00	1.50	48.55	120	10 / 40	TC(A)MB6040
1 3/4"	45.00	1.50	58.60	135	10 / 40	TC(A)MB6045
2"	50.00	1.65	63.60	165	10 / 40	TC(A)MB6050
2 1/2"	63.00	1.60	85.00	230	7 / 28	TC(A)MB6065
3"	74.00	1.60	95.00	260	6 / 24	TC(A)MB6080
4"	97.00	1.82	124.30	300	6 / 24	TC(A)MB6100

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

Convoflow tube without outer braid

Size	I/D Nominal	Wall Thickness	O/D Nominal	Radius	WP / BP Bar 20°C	Virgin (Anti-Static)
3/4"	20.00	1.00	30.00	55	3 / 11	TC(A)M020
1"	25.00	1.00	36.20	85	3 / 10	TC(A)M025
1 1/4"	32.00	1.00	44.00	100	2.5 / 9	TC(A)M032
1 1/2"	37.00	1.50	48.55	120	2.5 / 9	TC(A)M040
1 3/4"	45.00	1.50	58.60	135	2 / 8	TC(A)M045
2"	50.00	1.65	63.60	165	2 / 8	TC(A)M050
2 1/2"	63.00	1.60	85.00	230	1.5 / 6	TC(A)M065
3"	74.00	1.60	95.00	260	1.3 / 5	TC(A)M080
4"	97.00	1.82	124.30	300	1 / 4	TC(A)M100

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

