

Visiflon™

PTFE hose for automotive and general purpose applications

FEATURES AND BENEFITS

- Convoluted PTFE liner tube for improved flexibility in larger bore sizes
- Temperature and chemical resistant
- Natural or anti-static PTFE liner
- Stainless steel wire or polypropylene yarn braid
- Range of non-lined end fittings



TECHNICAL SPECIFICATION

Size range	
Hose bore size range	3/8" (10mm) up to 2" (50mm)
Hose lengths	
Up to 1" (25mm)	20m (70ft)
1 1/4" (32mm) up to 2" (50mm)	15m (50ft)
Temperature limits	
Temperature limits	-73C (-100F) up to +230C (+450F)
Working pressure ratings for stainless steel (SS) grade	
3/8" (10mm)	from 60bar (870psi)
up to	
2" (50mm)	from 15bar (220psi)
Vacuum limitations	
For stainless steel (SS) grades	Vacuum resistant to -0.9bar up to 130C (266F)
For tube only (TO) and (PB) grades	Vacuum resistant to -0.9bar up to 80C (176F)
Approvals	
ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2015, TS 16949:2016, FDA (materials), 3.1 Traceability	

OPTIONS AND ACCESSORIES

Liner options	
Liner available in;	Natural PTFE or anti-static PTFE (AS)
End fitting options	
Standard design for;	BSPT and NPT male and female, BSP and NPSM 60° cone and flat seat female unions, JIC threaded male and female fittings, standpipe fittings and many more
Braid options	
Braid design options	Stainless steel wire braid (SS) as standard, orange polypropylene yarn braid (PB) to special order

PERFORMANCE DATA

Specifications listed below are for non-antistatic grades. For anti-static (AS) grades the specifications are all the same, except that "AS" is added to the grade reference, and the part number reads "-110-" in place of "-100-".

Nominal hose size		*Actual hose bore size		Hose grade	Outside diameter of tube or braid		Minimum bend radius		Maximum working pressure (MWP)		Weight per unit length		Hose part number
in	mm	in	mm		in	mm	in	mm	bar	psi	kg/mtr	lbs/ft	
3/8	10.0	1/4	6.3	TO	0.420	10.70	1	25	4	58	0.057	0.038	71-100-06
				SS	0.470	11.95	3/4	19	60	870	0.144	0.096	71-100-06-01-02
				PB	0.512	13.00	1	25	30	435	0.091	0.061	71-100-06-01-21
1/2	12.0	3/8	9.5	TO	0.555	14.10	1 1/2	38	4	58	0.076	0.051	71-100-08
				SS	0.600	15.25	1	25	47	680	0.195	0.130	71-100-08-01-02
				PB	0.662	16.80	1 1/2	38	23.5	340	0.125	0.084	71-100-08-01-21
5/8	16.0	1/2	12.7	TO	0.780	19.80	2	50	4	58	0.126	0.084	71-100-10
				SS	0.835	21.20	1 1/2	38	40	580	0.296	0.194	71-100-10-01-02
				PB	0.906	23.00	2	50	20	290	0.188	0.126	71-100-10-01-21
3/4	20.0	5/8	16.0	TO	0.835	21.20	3	75	3	43	0.166	0.111	71-100-12
				SS	0.894	22.70	2	50	32	460	0.376	0.251	71-100-12-01-02
				PB	0.973	24.70	2 1/2	63	16	230	0.226	0.151	71-100-12-01-21
1	25.0	7/8	22.0	TO	1.143	29.00	3 1/2	89	3	43	0.235	0.157	71-100-16
				SS	1.204	30.60	2 1/2	63	26	380	0.533	0.310	71-100-16-01-02
				PB	1.300	32.90	3	75	13	190	0.314	0.210	71-100-16-01-21
1 1/4	32.0	1 1/8	28.0	TO	1.349	34.20	4	100	2	29	0.342	0.229	71-100-20
				SS	1.420	36.00	3	75	25	360	0.729	0.489	71-100-20-01-02
				PB	1.537	39.00	3 1/2	89	12.5	180	0.444	0.298	71-100-20-01-21
1 1/2	40.0	1 3/8	35.0	TO	1.773	45.00	6	150	2	29	0.415	0.278	71-100-24
				SS	1.850	47.00	4 1/2	115	20	300	1.044	0.699	71-100-24-01-02
				PB	1.970	50.00	5	130	10	150	0.600	0.402	71-100-24-01-21
2	50.0	1 7/8	47.0	TO	2.325	59.00	8	200	2	29	0.631	0.423	71-100-32
				SS	2.400	61.00	5	130	15	220	1.378	0.923	71-100-32-01-02
				PB	2.521	64.00	6	150	7.5	110	0.917	0.614	71-100-32-01-21

*Visiflon Hose assemblies require that the convolutions at the ends of the hose are opened out to accept either Hydraulic or PTFE Tail end fittings.

Visiflon tube only (TO) grades

The MWP listed above applies up to a maximum temperature of 100C (212F).

Visiflon stainless steel braided (SS) grades

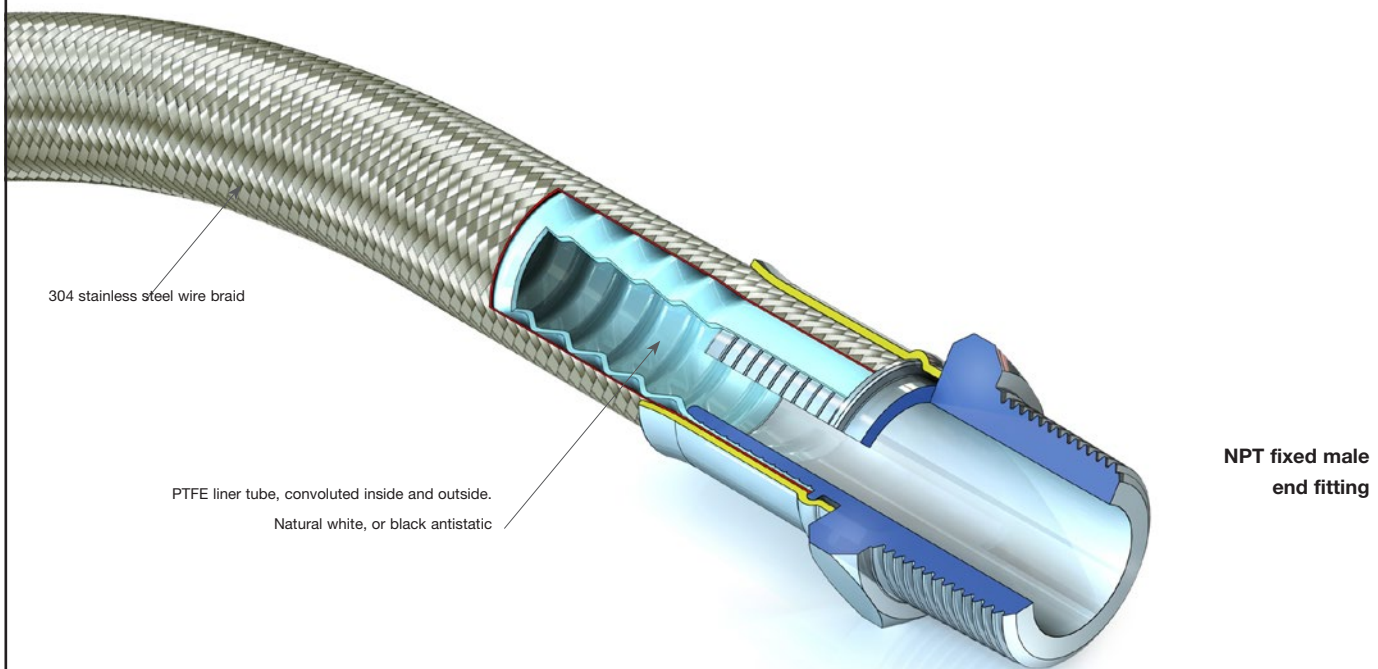
The MWP listed above should be reduced by 1% for each 1C above 130C up to a maximum of 230C (1% for each 1.8F above 266F up to a maximum of 445F).

Visiflon polypropylene braided (PB) grades

The MWP listed should be reduced by 5% for each 1C above 80C up to a maximum of 100C (5% for each 1.8F above 176F to 212F).

MATERIALS OF CONSTRUCTION

A Visiflon PTFE hose assembly



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aflex-hose.com
info@aflux-hose.co.uk
+44 (0) 1422 317200