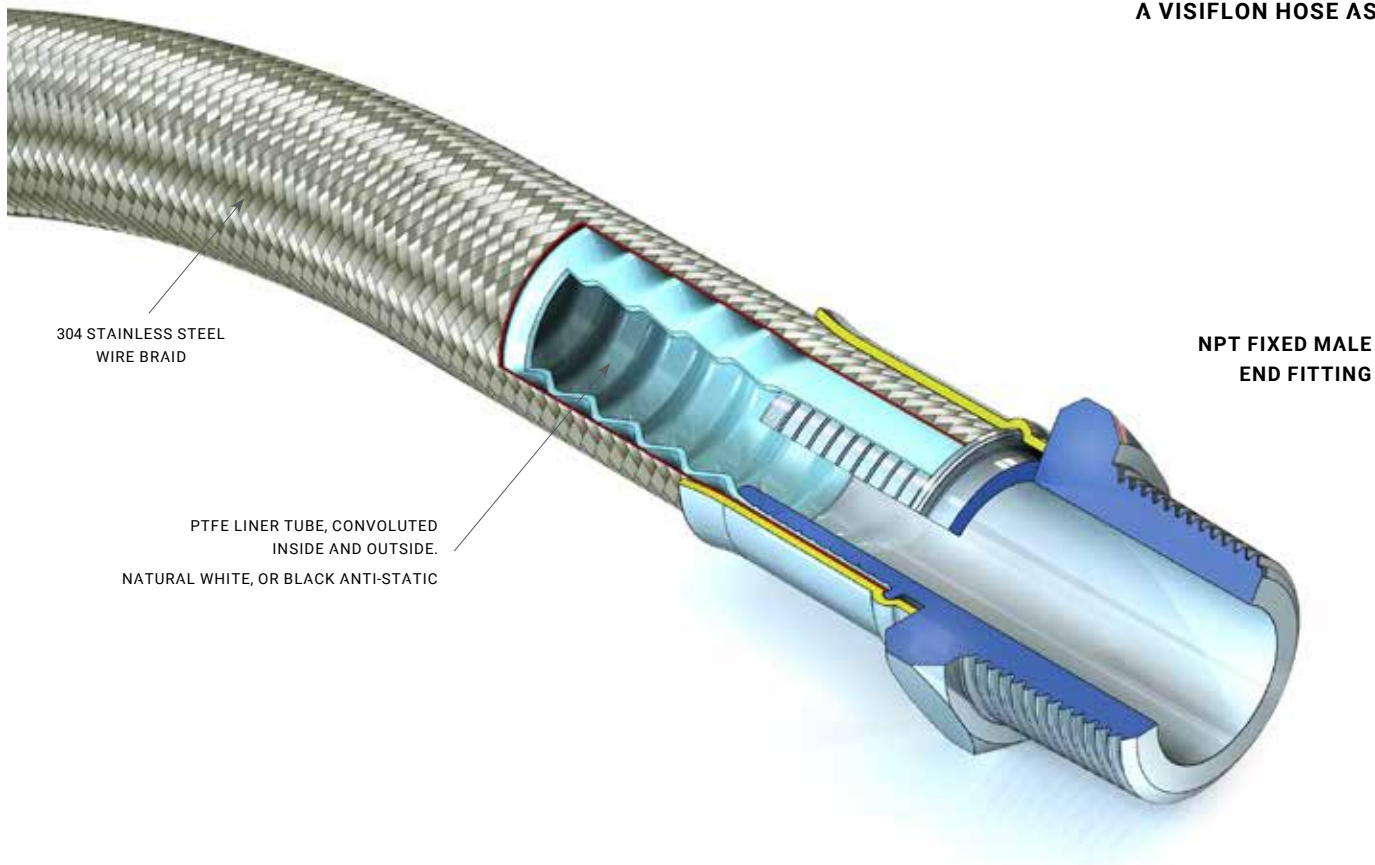


VISIFLON™

PTFE Hose for automotive and general purpose applications

Convoluted PTFE liner tube for improved flexibility in larger bore sizes



A VISIFLON HOSE ASSEMBLY

VISIFLON HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -

$\frac{3}{8}$ " (10 MM) UP TO $1\frac{1}{4}$ " (50 MM)

HOSE LENGTHS -

UP TO 1", 70 FEET (20 METRES). $1\frac{1}{4}$ ", 50 FEET (15 METRES)

TEMPERATURE LIMITS -

-100 F (-73 C) TO 450 F (+230 C)

WORKING PRESSURE RATINGS - (stainless steel braided hose)

$\frac{3}{8}$ " (10 MM) = 870 PSI (60 BAR) TO $1\frac{1}{4}$ " (32 MM) = 25 BAR (360 PSI)

VACUUM LIMITATIONS - (stainless steel braided hose)

USABLE AT VACUUM TO -0.9 BAR FOR ALL SIZES, UP TO 266 F (130 C)

END FITTING OPTIONS - Standard design only for:

BSPT AND NPT MALE AND FEMALE, BSP AND NPSM 60° CONE SEAT AND FLAT SEAT FEMALE UNIONS, JIC THREADED MALE AND FEMALE FITTINGS, STANDPIPE FITTINGS AND MANY MORE

ALTERNATIVE DESIGN OPTIONS (to special order) -

- ORANGE POLYPROPYLENE YARN BRAID
- BLACK, ANTI-STATIC PTFE LINER TUBE

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

*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.

TEMPERATURES AND PRESSURES

Visiflon tube only (TO) grades - The MWP listed above applies up to a maximum temperature of 212 F (100 C).

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

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

VACUUM RESISTANCE

Visiflon SS grades are usable at vacuum to -0.9 bar up to 266 F (130 C). Visiflon TO and PB grades are vacuum resistant to -0.9 bar up to 176 F (80 C).

FLOW RATES

The internal convolutions restrict flow rates due to turbulent flow, and may also cause a whistling noise when gases are passed through. For any applications where this may be a problem, the alternative Aflex Hose products Hyperline FX or Corroline⁺ would provide a solution.

*A member of Watson-Marlow Fluid Technology Group.
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