

# Visiflon Tube only (TO) grade hoses



Visiflon

## Features and benefits

- Very flexible and kink resistant
- Temperature resistant
- Chemical resistant

## Visiflon Tube only (TO) grade hoses performance

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	
1/4	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	1/4	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
3/4	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
1	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 1/4	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 1/2	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 3/4	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.

## Technical specifications

	Visiflon Tube only (TO) grade hoses
Nominal bore size	10 - 32 mm
Nominal bore size	0.375 - 1.25 in
Actual bore size	6.3 - 28 mm
Actual bore size	0.25 - 1.125 in
Outside diameter	10.7 - 34.2 mm
Outside diameter	0.42 - 1.349 in
Max. operating pressure	4 bar
Max. operating pressure	58 psi
Certification	3.1 Traceability, FDA (materials), TS 16949:2016
Operating temperature range	-73 to 230 °C
Operating temperature range	-100 to 450 °F
Bend radius	25 - 100 mm
Bend radius	1 - 4 in
Braid	None
Cover	None
End fitting	BSP and NPT threaded fittings, Flat Seat Lug Nut Female Unions, JIC fittings, NPT and BSPT fittings, Standpipe Fittings, Tube Fittings
Vacuum resistance	Vacuum resistant to -0.9 bar up to 80 °C (176 °F)

## Materials of construction

	Visiflon Tube only (TO) grade hoses
Liner tube	Antistatic PTFE, Natural PTFE

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