

XT20-SERIES TURBOFLEX WATER HOSE



Turboflex® XT20 Series Water Hoses are engineered to provide exceptional flexibility, ensuring tight bends without compromising performance. Utilizing a unique hose construction exclusively designed and tested by Pacific Flow Technology, Turboflex® hoses can achieve up to a market leading 2D bend radius without kinking.

Designed for the rigorous demands of the mining industry, Turboflex® hoses excel in complex piping configurations that demand both flexibility and durability. Can also be manufactured using our Foodtech™ AS4020-approved compound that meet Australian standards and FDA regulations for potable water.



TECHNICAL SPECIFICATIONS

Hose size	DN25 – 600
Length	Up to 20m
Pressure rating	-100kPa - +8000kPa
End connections	Plain Swivel flange(beaded) Fixed flange Flanged spigot (swivel or fixed) Victaulic spigot (shouldered, roll grooved, cut grooved) Threaded Raised Cuffed Custom
Flange patterns	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
Safety factor	4:1
Temperature rating	-30 to +80 (ABRASATECH)
Optional extras	Anti-static wire ID tagging

MATERIAL SPECIFICATIONS

Inner Liner	ABRASATECH (for general water applications) FLOWTECH (for acidic or high temp water) FOODTECH (AS4020 approved for potable water)
Reinforcement	Spiralled synthetic fabric Wire helix
Outer cover	ABRASATECH (for abrasion and UV resistance) FLOWTECH (for extreme UV or seawater) NEOTECH FRAS (for FRAS or oily environments)
Connection material	Hot dipped gal (as standard) Stainless steel (SS316, SS304) Carbon steel Painted Custom



XT20-SERIES TURBOFLEX WATER HOSE



TECHNICAL PROPERTIES

HOSE SIZE		STANDARD LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	WEIGHT	MINIMUM BEND RADIUS	
DN	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	Kg/mt	mm	X Dia
50	50.8	3	100	1000	145	8000	1160	4:1	2	150	3
80	76.2	3	100	1000	145	8000	1160	4:1	4	240	3
100	101.6	3	100	1000	145	8000	1160	4:1	5	300	3
125	127	3	100	1000	145	8000	1160	4:1	6	380	3
150	152.4	3	100	1000	145	8000	1160	4:1	7	450	3
200	203.2	3	100	1000	145	8000	1160	4:1	12	600	3
250	254	3	100	1000	145	8000	1160	4:1	17	1000	4
300	304.8	3	100	1000	145	6000	870	4:1	25	1200	4
350	355.6	3	100	1000	145	6000	870	4:1	32	1400	4
400	406.4	3	100	1000	145	5000	725	4:1	39	1600	4
450	457.2	3	100	1000	145	4000	580	4:1	43	1800	4
500	508	3	100	1000	145	4000	580	4:1	59	2000	4
550	558.8	3	100	1000	145	4000	580	4:1	53	2200	4
600	610	3	100	1000	145	4000	580	4:1	57	2400	4

Key notes

1. Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
2. Minimum bend radius figures are only applicable to hoses with standard liner thickness and working pressure
3. Max working pressure will not be compatible with all end configurations, please get in contact with us to find out more
4. Weight and bend radius values are approximate and may vary