

XW20-SERIES

SOFT WALL WATER HOSE

ABRASOR®

Abrasor® XW20 Series Soft Wall Water Hoses are designed for superior performance in discharge piping applications where the hoses must be folded or rolled. Suitable for discharge duty only, this premium water hose is designed to prevent permanent kinking when in applications where the hoses will be run over, and or bent past their recommended radius.

This hose is commonly used in various applications, including irrigation, hydromining, and site dewatering, making it a versatile solution for diverse needs. 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 – 1200 |
| 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 |
| 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 |

TECHNICAL PROPERTIES

| HOSE SIZE | | STANDARD LINER THICKNESS | STANDARD WORKING PRESSURE | | MAX WORKING PRESSURE | | SAFETY FACTOR | WEIGHT |
|-----------|--------|--------------------------|---------------------------|-----|----------------------|------|---------------|--------|
| DN | mm | mm | kPa | PSI | kPa | PSI | Ratio | Kg/m |
| 50 | 50.8 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 1 |
| 80 | 76.2 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 2 |
| 100 | 101.6 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 3 |
| 125 | 127 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 4 |
| 150 | 152.4 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 5 |
| 200 | 203.2 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 7 |
| 250 | 254 | 3 | 1000 | 145 | 8000 | 1160 | 4:1 | 10 |
| 300 | 304.8 | 3 | 1000 | 145 | 6000 | 870 | 4:1 | 12 |
| 350 | 355.6 | 3 | 1000 | 145 | 6000 | 870 | 4:1 | 14 |
| 400 | 406.4 | 3 | 1000 | 145 | 5000 | 725 | 4:1 | 20 |
| 450 | 457.2 | 3 | 1000 | 145 | 4000 | 580 | 4:1 | 23 |
| 500 | 508 | 3 | 1000 | 145 | 4000 | 580 | 4:1 | 25 |
| 550 | 558.8 | 3 | 1000 | 145 | 4000 | 580 | 4:1 | 34 |
| 600 | 610 | 3 | 1000 | 145 | 4000 | 580 | 4:1 | 37 |
| 650 | 660.4 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 33 |
| 700 | 711.2 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 35 |
| 750 | 762 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 37 |
| 800 | 812.8 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 48 |
| 900 | 914.4 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 55 |
| 1000 | 1016 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 60 |
| 1100 | 1117.2 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 78 |
| 1200 | 1219.2 | 3 | 700 | 102 | 2500 | 363 | 4:1 | 85 |

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. Max working pressures will not be compatible with all end configurations, please get in contact with us to find out more
3. Soft wall hoses are not designed to be bent without folding and collapsing. If you require a hose that will bend while holding its shape, please check out our Abrasor XW10-Series Hard Wall Water Hose
4. Weight and bend radius values are approximate and may vary