

## DIAMETERS

- 1.50in/38mm
- 1.75in/45mm
- 2.50in/64mm

# AQUAPOWER™

Designed for interior attack applications requiring high kink resistance and durability

- » Features our Mercedes Textiles Limited "Two Year All Hazards Warranty"
- » Available with Mertex Wayout® couplings. The reflective recessed arrows help guide the way out of a fire
- » Also available with the IDentify™ recessed area for color and bar coding and/or identification markings
- » Extremely kink resistant, even at low pressure
- » Standard with our Permatek HP™ Treatment in (9) color options
- » Uses through the weave extrusion lining process, which completely encapsulates the jacket textile
- » Resistant to most chemicals, petrol products, ozone & U.V. exposure, hydrolysis, and rot & mildew
- » Will remain flexible to -35° F (-37° C)



Hose Spec.	Trade Size		Bowl Size		Weight Un-coupled 50' (15.2m)		Coil Diameter 50' (15.2m)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
785	1.50	38	1 13/16	46	16.5	7.5	18.0	45.7	400	2 755	800	5 515	1 200	8 275
786	1.75	44	2 1/8	54	19.0	8.6	18.0	45.7	400	2 755	800	5 515	1 500	10 345
788	2.50	64	2 7/8	73	28.0	12.7	18.5	47.0	400	2 755	800	5 515	1 200	8 275



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# HOW TO SPECIFY

## AQUAPOWER™

THE HOSE SHALL BE DOUBLE JACKET WITH A SERVICE TEST PRESSURE OF 400 PSI / 2750 KPA.

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### JACKETS

The inner jacket shall be made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength. This jacket shall be encapsulated in nitrile rubber yielding a layflat rubber hose inner.

The outer jacket shall be made with virgin spun polyester warp yarn and a filament polyester weft yarn. Hose made using nylon or other materials shall not be considered as meeting this specification. The hose outer jacket shall have a minimum of 10.0 filler yarns per inch (394 per Meter). The jacket shall have two ¼" (6 mm) wide stripes, ¼" (6 mm) apart, running the full length of the jacket. The outer jacket shall be impregnated in one of the standard NFPA colors with high performance polymeric dispersion.

### LINING

The inner jacket shall be made using the through the weave extrusion process and the elastomer lining shall completely encapsulate the jacket textile with an almost inseparable bond.

### ADHESION

The adhesion shall be such that the rate of separation of a 1 ½" / 38mm strip of nitrile rubber, transversely cut, shall not be greater than 1/4" / 6mm per minute under a weight of 12 lbs / 5.5 kg.

### COLD TEMPERATURE FLEXIBILITY

The hose must remain flexible to -35°F (-37°C).

### SERVICE, TEST, BURST PRESSURES

Minimum service, test and burst pressures shall be as detailed in the specification table on the previous page.

### KINK TEST

A full length will withstand a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

### WEIGHT

Each length of fire hose shall not weigh more than indicated in the specification table.

### COUPLING SPECIFICATIONS

The female coupling shall have at least 3 reflective arrows, in order to be visible from any position. The reflective arrows must be engraved into and below the surface of the coupling, to resist abrasion. The arrows must point in the direction of the water source for a standard hose connection. The male coupling and female swivel nut must both have a recessed area to facilitate color and bar coding and/or identification markings.

Couplings shall be in conformance with the current NFPA standard and made of extruded aluminum, hard coated a minimum of .002" thick. They shall be manufactured in North America and permanently labeled with country of origin. They shall be expansion ring type.

### MANUFACTURE

Both hose and couplings must be manufactured in North America and be NAFTA compliant.