

DIAMETERS

- 3.50in/89mm
- 4.00in/102mm
- 5.00in/127mm
- 6.00in/152mm

MEGAFLO®

Designed for large volume supply and attack where light weight and low drag coefficient are critical.

- » Unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life
- » Available with our Hydrowick Gold Anodized Storz™ couplings with iReflect™ lock levers. These couplings also come with the IDentify™ recessed area for color and bar coding and/or identification markings
- » Features our Mercedes Textiles Limited 2-10-L warranty (“2 year All Hazards”, “10 year against manufacturing defects” and “Lifetime against delamination”)
- » Choice of Threaded or Storz lightweight couplings
- » Standard with our Permatek HP™ Treatment in (9) color options
- » Will remain flexible to -65° F (-55° C)

clear

tan

black

orange

red

blue

green

yellow

purple

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
400	3.50	89	3 13/16	97	31.0	14.1	16.0	40.6	330	2 275	660	4 550	1 000	6 900
401	4.00	102	4 3/8	111	34.0	15.5	16.0	40.6	300	2 070	600	4 140	900	6 200
402	5.00	127	5 3/8	137	43.0	19.5	17.0	43.2	300	2 070	600	4 140	900	6 200
403	6.00	152	6 3/8	162	62.5	28.4	17.5	44.5	300	2 070	600	4 140	900	6 200



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HOW TO SPECIFY MEGAFLO®

THE HOSE SHALL BE DOUBLE JACKET WITH A MINIMUM SERVICE TEST PRESSURE OF 300 PSI / 2070 KPA.

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JACKETS

The inner hose jacket shall have 100% filament polyester warp and weft yarn. The outer jacket shall be made with virgin spun polyester warp yarn and a minimum of 11.3 filament polyester weft yarn picks per inch (445 per Meter). The outer jacket shall be impregnated in one of the standard NFPA colors with high performance polymeric dispersion.

LINING

The lining (waterway) must be made from polyurethane and must be applied using a fused process that welds the polyurethane directly to the textile while the hose is being woven, without the use of adhesives or hot melt. The fused lining process must create a virtually inseparable unit without the use of adhesives, yielding an extremely low friction (pressure) loss by filling in the corrugations of the weave, creating an ultra thin and smooth waterway. Fire hose made using adhesives of any type do not meet this specification. The lining shall be approved for use with potable water.

ADHESION

The adhesion shall be such that the rate of separation of a 1 1/2" / 38mm strip of polyurethane, 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 -65°F (-55°C).

SERVICE, TEST, BURST PRESSURES

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

WEIGHT

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

COUPLING SPECIFICATIONS

The coupling shall have the country of origin legibly marked on the outside surface as required in NFPA 1963. When Storz couplings are specified, hose must have a coupling that features "lock protector" technology.

When Gold anodized finish is specified, the Storz lock lever must have recessed reflective material to facilitate rapid identification and night time visibility. The coupling must also have a recessed engraved arrow indicating the direction of coupling engagement as well as a reflective lock indicator located 180 degrees opposite the lock lever. These recessed reflective arrows and lock indicator must also provide nighttime visibility. The coupling must also have a recessed area to facilitate color and bar coding and/or identification markings.

MANUFACTURE

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

WARRANTY

The fire hose shall have a 2-10-L warranty, as described below.

"2" denotes Two year "all hazards" warranty against any damage incurred during firefighting applications

"10" denotes Ten year warranty against manufacturing defects

"L" denotes Lifetime warranty against liner delamination