



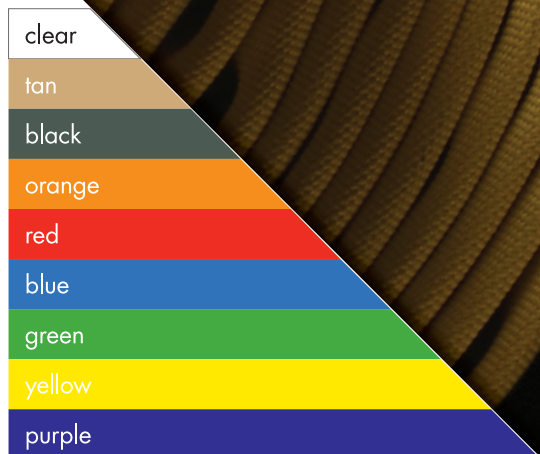
DIAMETERS

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

MEGAFLO[®] BREATHER

Large diameter hose (LDH) designed for fastest deployment, easiest recovery and the best packability in the industry, enhanced with our patented Breather Technology™

- » Innovative patented Breather technology™
 - Allows air to escape between layers for superior packability
 - Increases flexibility
 - Creates superior strength
- » Large volume attack and supply where both light weight and superior strength are critical
- » Unique Mertex[®] lining yields extremely low friction loss, achieving maximum flow and superior adhesion for long life and flexibility to -65° F (-55° C)
- » Features Mercedes Textiles Limited 2-10-L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")
- » Standard with our Permatek HP™ Treatment in (9) color options
- » Available with Hydro-Wick Gold Anodized Storz couplings
 - iReflect[®] lock levers (Patented) with lock protector technology
 - identify[®] recessed area identification coding system



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
490	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
491	4.00	102	4 3/8	111	34.0	15.5	16.0	40.6	300	2 070	600	4 140	900	6 200
492	5.00	127	5 3/8	137	43.0	19.5	17.0	43.2	300	2 070	600	4 140	900	6 200
493	6.00	152	6 3/8	162	62.5	28.4	17.5	44.5	300	2 070	600	4 140	900	6 200



MERCEDES TEXTILES LIMITED
Innovation delivered.™

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HOW TO SPECIFY MEGAFLO[®] BREATHER

**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 10.2 picks per inch (400 per Meter) of filament polyester weft yarn.

The outer jacket shall also have "Breather Technology" created by four sections with twenty ends each of heavy gauge filament polyester yarn, spaced equidistant from each other with a dual red and black boarder. This unique construction must provide increased flexibility, superior packability, greater strength, ease of air evacuation and added visibility. The outer jacket shall be impregnated in one of the standard NFPA colors with high performance polymeric dispersion (Treatment may result in shade change of the boarder color line).

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).

WEIGHT

The maximum weight shall be as detailed in the table on the previous page.

SERVICE PRESSURES

Service pressure shall be minimum 300 PSI / 2070 kPa and must be stenciled on the hose.

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 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. Couplings must be USMCA/CUSMA 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

INNOVATION DELIVERED.