



DIAMETER

● 1.75" / 44mm

EXOMETRO[®] LPX

LEADING LOW PRESSURE ATTACK EVOLVING THE EXO LEGEND TO ENHANCE NOZZLE HANDLING

Engineered to lead the attack, our new **ExoMetro[®] LPX 1.75"** offers superior low-pressure nozzle handling on a true 1.75" inner diameter line.

Newly developed LPX Technology™ fortifies the nozzle-end of the hose to avoid whip or kinking *without* sacrificing the lightweight packability & flexibility of the rest of the line. Designed for 50–75 PSI applications delivering a flow range of 150–200 GPM.

- » Our newly developed Low Pressure eXpansion (LPX) Technology reinforces a section of the hose leading up to the male coupling to minimize nozzle whip while avoiding excess weight or stiffness — offers the same performance of our standard EXO lines!
- » Patented Breather™ technology adds flexibility & strength, releasing trapped air and water for superior packability.
- » Unique Mertex[®] lining yields low friction loss for maximum flow and superior lifelong adhesion — NEVER DELAMINATES!
- » Standard with our patented WAYOUT[®] couplings with recessed reflective arrows and IDentify[®] areas for color coding, barcoding, and/or identification markings.
— LPX couplings are anodized black with red WAYOUT[®] arrows for easy distinction when using exclusively as a lead length on our standard KrakenEXO & ExoMetro lines.
- » Manufactured to exceed NFPA 1961, UL and FM performance requirements. UL approval pending.
— Designed to beat the heat; tested according to the 2020 UL 19 heat testing standards
- » Burst safety factor of 3.75 times the service pressure for greater security. Remains flexible to -65° F / -55° C.
- » Covered by our industry-best Mercedes Textiles Limited 2-10-L warranty.



ATTACK



LOW
PRESSURE

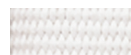


150–200
GPM



NOZZLE
HANDLING

PERMATEK HP™



EXCLUSIVE



Hose Spec.	Trade Size	Dry Inner Diameter	CHARGED ID @ 150	Weight UNCOUPLED (50' / 15.2m)	Weight CHARGED (50' / 15.2m)	Coil Diameter (50' / 15.2m)	Service Pressure	Proof Pressure	Burst Pressure
866	1.75 in 44 mm	1.77 in 44.96 mm	1.81 in 45.97 mm	15.2 lbs 6.9 kg	71.3 lbs 32.3 kg	17 in 432 mm	400 PSI 2 760 kPa	800 PSI 5 520 kPa	1,500 PSI 10 350 kPa



**MERCEDES
TEXTILES LIMITED**
Innovation delivered.™

REQUEST A DEMO AT [KNOWYOURHOSE.COM/LPX](https://www.knowyourhose.com/lpx)

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EXOMETRO[®] LPX

DOUBLE JACKET POLYURETHANE-LINED ATTACK HOSE
WITH A SERVICE TEST PRESSURE OF 400 PSI / 2 755 KPA

SCOPE

Hose specified shall be manufactured in North America to the highest quality and craftsmanship. Hose shall be built for superior nozzle handling and overall performance on the fireground, with firefighter safety at the forefront. Hose shall meet the NFPA 1960 (1961) and UL-19 standards. The hose shall be free from defects in materials and workmanship.

DIAMETER & WEIGHT

Hose shall have a nominal diameter of 1-3/4" (44mm) with an internal diameter not exceeding 1.8" (46 mm) when charged to 150 PSI. Each 50' (15.2M) length of fire hose shall not weigh more than 15.2 lbs (6.9 kg) dry uncoupled or 71.3 lbs (32.3 kg) coupled and charged to 100 PSI.

NOZZLE-END REINFORCEMENT

The hose shall incorporate patent-pending LPX™ Technology – an integrated, factory-applied reinforcement zone at the male coupling end, permanently built into the hose during manufacture. This reinforcement shall extend a set length back from the male coupling and provide increased circumferential stability at the nozzle end to improve hose control during low-pressure and transitional flow conditions.

The reinforcement shall be inherent to the hose construction and continuous with the hose jackets. External sleeves, post-manufacturing wraps, adhesive-applied reinforcements, aftermarket devices, or removable components shall not meet this specification.

JACKETS

The inner hose jacket shall be made with 100% filament polyester warp and weft yarn. The outer jacket shall be made with virgin spun polyester warp yarn and a minimum of 10 filament polyester weft yarn picks per inch (394 per meter). Outer jacket shall have two 5/8" (16 mm) wide red stripes, 1/4" (6 mm) apart running the full length.

The outer jacket shall also have patented Breather™ technology created by sections of heavy gauge filament polyester yarn. 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.

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. Fire hose made using adhesives of any type does not meet this specification. The lining shall be approved for use with potable water.

COUPLINGS

Must come standard with Black anodized couplings. The female coupling shall have at least 3 reflective arrows to ensure 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.

FLOW AND FRICTION LOSS

Hose shall be specified for a flow range of 125-200 GPM at 50-75 PSI (473-757pm at 345-517 kPa). Friction loss shall not exceed 15.5 PSI per 100 ft. at 150 GPM (106.8 kPa per 30.4M at 568 lpm).

KINK TEST

HIGH PRESSURE: A full length shall withstand, without damage, a hydrostatic pressure of 600 PSI (4 140 kPa) while kinked.

LOW PRESSURE: The hose shall not kink when formed into a 25" (64 cm) wide loop (outside measure) at 60 PSI (415 kPa) internal water pressure.

ADHESION

The adhesion shall be such that the rate of separation of a 1-1/2" (38 mm) strip shall not be greater than 1/4" (6.4 mm) per minute under a weight of 12 lbs (5.5 kg).

COLD TEMPERATURE FLEXIBILITY

The hose must remain flexible to -65°F (-55°C).

STANDARDS

Hose must be manufactured to meet or exceed all NFPA 1960 (1961) standards. The hose must be tested in accordance with the procedures specified in 2020 UL 19 radiant heat testing.

MANUFACTURE

Both hose and couplings must be manufactured in North America.

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 fire fighting applications "10" denotes Ten year warranty against manufacturing defects "L" denotes Lifetime warranty against liner delamination.

GET SPECS:



INNOVATION DELIVERED.

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