

DIAMETERS

- 1.50in/38mm
- 1.75in/44mm
- 2.00in/51mm
- 2.50in/64mm
- 3.00in/76mm

KRAKENEXO®

Designed for aggressive fire fighting applications where durability coupled with lightweight, excellent low pressure kink resistance and superior water flow are critical factors.

- » The most advanced attack hose
- » Weighs less, Kinks Less, and Flows more Water
- » Unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life
- » Standard with Mertex Wayout® couplings. The reflective recessed arrows help guide the way out of a fire. These couplings have 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")
- » Standard with our Permatak HP™ Treatment in (9) color options
- » Burst safety factor of 3.75 times the service pressure for greater security (exception 3" / 76mm)
- » Remains flexible to -65° F / -55° C.
- » Manufactured to exceed NFPA 1960 (1961), UL and FM performance requirements.
- » All sizes and colors are tested according to the procedures specified in "2020 UL 19 radiant heat test"
- » UL approved in all sizes and can be UL labeled upon request
- » Request a demonstration at KrakenHammer.com

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
815	1.50	38	1 15/16	49	12.7	5.8	16.5	42	400	2 755	800	5 515	1 500	10 345
816	1.75	44	2 1/8	54	14.9	6.8	17.0	43	400	2 755	800	5 515	1 500	10 345
817	2.00	51	2 5/16	59	17.0	7.7	17.0	43	400	2 755	800	5 515	1 500	10 345
818	2.50	64	2 7/8	73	21.5	9.8	19.0	48	400	2 755	800	5 515	1 500	10 345
819	3.00	76	3 5/16	84	26.5	12.0	21.0	53	400	2 755	800	5 515	1 250	8 620



**MERCEDES
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Innovation delivered.™

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HOW TO SPECIFY KRAKENEXO®

**THE HOSE SHALL BE DOUBLE JACKET
WITH A SERVICE TEST PRESSURE
OF 400 PSI / 2755 KPA.**

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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). The jacket shall have two 5/8" (16 mm) wide red stripes, 1/4" (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 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)

FLOW AND FRICTION LOSS

When requested the friction loss test results shall be given to the customer.

SERVICE, TEST, BURST PRESSURES

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

KINK TEST

HIGH PRESSURE: A full length shall withstand, without damage, a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

LOW PRESSURE: For sizes up to 2 1/2" / 64mm, the hose shall not kink when formed into a 25" / 64 cm wide loop (outside measure) at 60 psi / 415 kPa internal water pressure.

For 3" / 76mm size, the hose shall not kink when formed into a 36" / 91 cm wide loop (outside measure) at 60 psi / 415 kPa internal water pressure.

WEIGHT

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

COUPLING SPECIFICATIONS

Must come standard with anodized couplings.

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.

STANDARDS

The hose must meet or exceed all performance requirements of NFPA 1960 (1961), Underwriters Laboratories and Factory Mutual.

The hose must also be tested in accordance with the procedures specified in "2020 UL 19 radiant heat test".

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 fire fighting applications.

"10" denotes Ten year warranty against manufacturing defects

"L" denotes Lifetime warranty against liner delamination.

INNOVATION DELIVERED.



MODEL: 815 MTL KRAKENEXO
SIZE: 1.5" (38 mm)
SERVICE TEST: 400 psi – 2760 kPa
TYPE: Double Jacket
 Ozone resistant
 For use down to -65 F (-54 C)

ID UNCHARGED: 1.66" (42.16 mm)
ID @ 50 PSI: 1.72" (43.69 mm)
ID @ 150 PSI: 1.75" (44.45 mm)
OD @ 150 PSI: 2.00" (50.80 mm)

RADIANT HEAT TEST

RADIANT HEAT EXPOSURE: 30 KW/M2

HOSE SIZE in. (mm)	COLOR / MARKING	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
1 1/2 (38)	Clear/White with Red Stripe	1 min 30 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Yellow with Red Stripe	2 min 4 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Red with Red Stripe	1 min 39 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Blue with Red Stripe	1 min 46 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Green with Red Stripe	1 min 39 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Tan with Red Strip	1 min 44 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Black with Red Stripe	1 min 32 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Purple with Red Stripe	1 min 21 sec	< 1 gpm	< 1 gpm
1 1/2 (38)	Orange with Red Stripe	1 min 23 sec	< 1 gpm	< 1 gpm

CONDUCTIVE HEAT TEST

CONDUCTIVE HEAT EXPOSURE: STEEL
BLOCK AT 400° C (752° F)

HOSE SIZE in. (mm)	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
1 1/2 (38)	13 sec	1 gpm	1 gpm

TYPE HOSE: 2



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MODEL: 816 MTL KRAKENEXO
SIZE: 1.75" (45 mm)
SERVICE TEST: 400 psi – 2760 kPa
TYPE: Double Jacket
 Ozone resistant
 For use down to -65 F (-54 C)

ID UNCHARGED: 1.875" (47.5 mm)
ID @ 50 PSI: 1.91" (48.51 mm)
ID @ 150 PSI: 1.96" (49.78 mm)
OD @ 150 PSI: 2.21" (56.13 mm)

RADIANT HEAT TEST

RADIANT HEAT EXPOSURE: 30 KW/M2

HOSE SIZE in. (mm)	COLOR / MARKING	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
1 3/4 (45)	Clear/White with Red Stripe	1 min 29 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Yellow with Red Stripe	1 min 34 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Red with Red Stripe	1 min 27 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Blue with Red Stripe	1 min 25 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Green with Red Stripe	1 min 28 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Tan with Red Strip	1 min 30 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Black with Red Stripe	1 min 38 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Purple with Red Stripe	1 min 31 sec	< 1 gpm	< 1 gpm
1 3/4 (45)	Orange with Red Stripe	1 min 33 sec	< 1 gpm	< 1 gpm

CONDUCTIVE HEAT TEST

CONDUCTIVE HEAT EXPOSURE: STEEL
BLOCK AT 400° C (752° F)

HOSE SIZE in. (mm)	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
1 3/4 (45)	15 sec	2 gpm	6 gpm

TYPE HOSE: 2



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MODEL: 817 MTL KRAKENEXO
SIZE: 2.0" (51 mm)
SERVICE TEST: 400 psi – 2760 kPa
TYPE: Double Jacket
 Ozone resistant
 For use down to -65 F (-54 C)

ID UNCHARGED: 2.04" (51.69 mm)
ID @ 50 PSI: 2.15" (54.36 mm)
ID @ 150 PSI: 2.17" (55.37 mm)
OD @ 150 PSI: 2.42" (61.72 mm)

RADIANT HEAT TEST

RADIANT HEAT EXPOSURE: 30 KW/M2

HOSE SIZE in. (mm)	COLOR / MARKING	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
2.0 (51)	Clear/White with Red Stripe	1 min 10 sec	< 1 gpm	< 1 gpm
2.0 (51)	Yellow with Red Stripe	1 min 10 sec	< 1 gpm	< 1 gpm
2.0 (51)	Red with Red Stripe	1 min 15 sec	< 1 gpm	< 1 gpm
2.0 (51)	Blue with Red Stripe	1 min 14 sec	< 1 gpm	< 1 gpm
2.0 (51)	Green with Red Stripe	1 min 8 sec	< 1 gpm	< 1 gpm
2.0 (51)	Tan with Red Strip	1 min 20 sec	< 1 gpm	< 1 gpm
2.0 (51)	Black with Red Stripe	1 min 10 sec	< 1 gpm	< 1 gpm
2.0 (51)	Purple with Red Stripe	1 min 16 sec	< 1 gpm	< 1 gpm
2.0 (51)	Orange with Red Stripe	1 min 15 sec	< 1 gpm	< 1 gpm

CONDUCTIVE HEAT TEST

CONDUCTIVE HEAT EXPOSURE: STEEL
BLOCK AT 400° C (752° F)

HOSE SIZE in. (mm)	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
2.0 (51)	12 sec	1 gpm	1 gpm

TYPE HOSE: 2





MODEL: 818 MTL KRAKENEXO
SIZE: 2.5" (65 mm)
SERVICE TEST: 400 psi – 2760 kPa
TYPE: Double Jacket
 Ozone resistant
 For use down to -65 F (-54 C)

ID UNCHARGED: 2.52" (64.01 mm)
ID @ 50 PSI: 2.65" (67.31 mm)
ID @ 150 PSI: 2.67" (67.82 mm)
OD @ 150 PSI: 2.92" (74.17 mm)

RADIANT HEAT TEST

RADIANT HEAT EXPOSURE: 30 KW/M2

HOSE SIZE in. (mm)	COLOR / MARKING	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
2 1/2 (65)	Clear/White with Red Stripe	1 min 2 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Yellow with Red Stripe	1 min 11 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Red with Red Stripe	1 min 9 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Blue with Red Stripe	57 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Green with Red Stripe	1 min 5 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Tan with Red Strip	1 min 7 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Black with Red Stripe	1 min 2 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Purple with Red Stripe	51 sec	< 1 gpm	< 1 gpm
2 1/2 (65)	Orange with Red Stripe	56 sec	< 1 gpm	< 1 gpm

CONDUCTIVE HEAT TEST

CONDUCTIVE HEAT EXPOSURE: STEEL
BLOCK AT 400° C (752° F)

HOSE SIZE in. (mm)	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
2 1/2 (65)	11 sec	5 gpm	15 gpm

TYPE HOSE: 2



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MODEL: 819 MTL KRAKENEXO
SIZE: 3.0" (76 mm)
SERVICE TEST: 400 psi – 2760 kPa
TYPE: Double Jacket
 Ozone resistant
 For use down to -65 F (-54 C)

ID UNCHARGED: 3.01" (76.45 mm)
ID @ 50 PSI: 3.18" (80.77 mm)
ID @ 150 PSI: 3.21" (81.53 mm)
OD @ 150 PSI: 3.46" (87.88 mm)

RADIANT HEAT TEST

RADIANT HEAT EXPOSURE: 30 KW/M2

HOSE SIZE in. (mm)	COLOR / MARKING	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
3.0 (76)	Clear/White with Red Stripe	1 min 21 sec	< 1 gpm	< 1 gpm
3.0 (76)	Yellow with Red Stripe	1 min 4 sec	< 1 gpm	< 1 gpm
3.0 (76)	Red with Red Stripe	1 min 9 sec	< 1 gpm	< 1 gpm
3.0 (76)	Blue with Red Stripe	1 min 7 sec	< 1 gpm	< 1 gpm
3.0 (76)	Green with Red Stripe	1 min 7 sec	< 1 gpm	< 1 gpm
3.0 (76)	Tan with Red Strip	1 min 7 sec	< 1 gpm	< 1 gpm
3.0 (76)	Black with Red Stripe	1 min 3 sec	< 1 gpm	< 1 gpm
3.0 (76)	Purple with Red Stripe	1 min 1 sec	< 1 gpm	< 1 gpm
3.0 (76)	Orange with Red Stripe	1 min 3 sec	< 1 gpm	< 1 gpm

CONDUCTIVE HEAT TEST

CONDUCTIVE HEAT EXPOSURE: STEEL
BLOCK AT 400° C (752° F)

HOSE SIZE in. (mm)	EXPOSURE DURATION	AVG LEAKAGE RATE @ 150 psi	MAX LEAKAGE RATE @ 150 psi
3.0 (76)	10 sec	6 gpm	18 gpm

TYPE HOSE: 2



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