

MERCEDES
TEXTILES LIMITED

AND

HIGHWATER
HOSE INC

INNOVATION DELIVERED

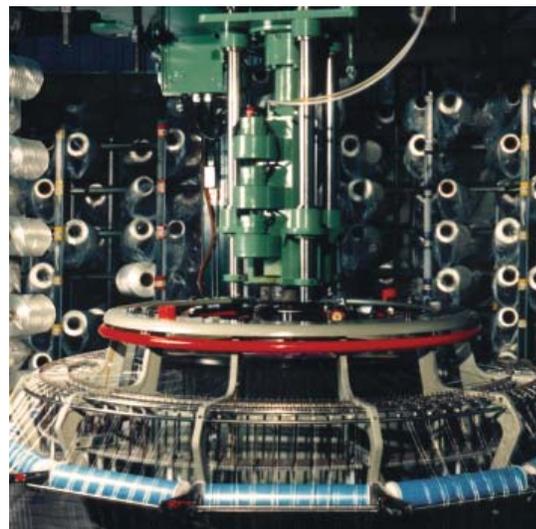
HOSE PRODUCT CATALOGUE

Unique Mertex® Lining Process

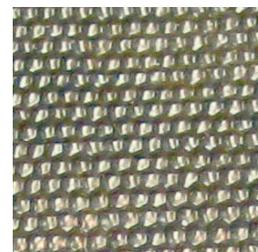
A unique Mertex® process designed especially for the manufacturing of fire hose was developed exclusively by Mercedes Textiles Limited. This process uses a lining material in a molten state which is then introduced into the fabric jacket as it is being woven at the loom. No adhesives, glues or other bonding agents are used in this process. With this method, a smoother waterway is produced, yielding greater water flow at the discharge end. This continuous process is your assurance that Mercedes Fire Hose will provide the most efficient products available. Some advantages of our Mertex® process are:

- The superior liner adhesion of the Mertex® process allows for the use of high strength Filament Polyester yarn in both the warp & weft directions, for a greater burst safety margin
- Creates a virtually inseparable bond without the use of adhesives "NO DELAMINATION"
- Locks fibers together for even greater strength while still allowing for a high flexibility
- Creates an amazingly smooth waterway which yields an extremely low friction (pressure) loss "HIGHER FLOW"
- Produces lower elongation under pressure. Lower elongation means less back pull when water is suddenly shut-off, resulting in a safer hose to work with in firefighting
- Permits manufacturing to any length (Call factory for non-standard lengths)

Hose Loom with "Extruder"
Experience up to 66% greater flow



Our Mertex® Process
Synthetic Hose Lining
(smooth surface = less
friction/greater flow)



Example: Competitor's
Synthetic hose lining
(rough surface = less flow)

Permatek™ Treatment for Hose Jackets

Permatek™ treatment is a high performance polymeric dispersion which saturates each and every fiber of the hose jacket, ensuring superior physical properties. Some of the advantages of the Permatek™ treatment are:

- Locks all fibers together for greater strength
- Produces a lower drag coefficient in charged hose lays which results in greater ease of advancement
- Reduces water pickup and absorption
- Provides excellent protection against abrasion
- Provides resistance to petroleum products, hydrocarbons, most solvents and greases
- Excellent resistance against UV and Ozone
- Results in much shorter drying time
- Available in the 9 NFPA colors

Note: Actual hose colors may vary from the colors shown in this catalogue



About the Companies

Since our inception in 1978, our vision has been to manufacture the finest, most durable and highest performing hose products in the world. Dedication, hard work and a series of critical decisions helped us to realize our objectives in a relatively short period of time. Across the spectrum, proactive thinking, unrivaled advancement and continued customer acceptance are the qualities that set Mercedes Textiles Limited apart. We hold over 60 patents and have grown into three facilities producing a vast array of products sold worldwide.

Fueled by the early creation of innovative product offerings, we created Hydro-Wick Industries Inc. in 1995. This production facility focuses on the manufacture of high-pressure pumps, advanced coupling systems and technology enhanced, wildland firefighting products.

The next year, in 1996, we continued to expand with the formation of HighWater Hose Inc. to extend our product offerings to include a wide range of rubber covered and lightweight, lay-flat hose.

Today Mercedes Textiles is widely recognized as the world's leader in innovative municipal, forestry, snowmaking and industrial fluid delivery systems and specialty equipment. A relentless focus on research and development continues to be at the forefront of our growth strategy. Mercedes Textiles has come a long way, yet we remain just as committed to improving, redefining and transforming our industry as we did when we first began.



**MERCEDES
TEXTILES LIMITED**



**HIGHWATER HOSE^{INC.}
MERCEDES TEXTILES LIMITED**

M

[MUNICIPAL]



KRAKENEXO[®]

NO NEED FOR PLAN B.

Weighs less. Kinks Less. Flows more water. There's no fire hose like it.



KRAKENHAMMER[®]

A hose and coupling line by
Mercedes Textiles Limited

MEGAFLO® BREATHER

Designed for fastest deployment, easiest recovery and the best packability in the industry.

Applications

- NFPA rated, LDH attack /supply hose
- Boosting pressure to pumps and aerial devices
- Supplying stand pipe systems
- Supplying stand alone portable hydrants and monitors
- Pumper to pumper relay
- Potable water transfer hose (stenciled)

Features and Benefits

- 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 Permatek HP™ treatment against abrasion, moisture pick up and mildew
 - Available with Hydro-Wick Gold Anodized Storz couplings
 - iReflect® patented lock levers with lock protector technology
 - Identify® recessed area identification coding system
- Breather technology patents : US 9,752,707; Canada 2,865,920

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

iREFLECT®

Designed for enhanced durability, visibility and improved functionality in a storz coupling system.

- The iReflect® Lock Lever (patented) has a recessed, highly reflective material which provides rapid identification of the coupling locks
- Anodized in a bright color to enhance visibility
- Lock protector technology protects the lock lever mechanism against damage, such as when the coupling is dropped during deployment
- Recessed reflective arrows (patented), located 180 degrees from the lock lever
 1. Point to the location of the lock
 2. Greatly enhance visibility to oncoming traffic
 3. Point towards the direction of rotation to engage (lock) the couplings
- Features the Identify® recessed area for color coding, bar coding and/or identification markings



- Anodized process provides added resistance to abrasion, salt and corrosion
- Two Year All Hazards Warranty and 10 years against manufacturing defects

iReflect® Lock Lever patents :
US 9,895,562; Canada 2,772,960 ; China ZL201090001151.4

Diameters

3.00in/76mm

4.00in/102mm

5.00in/127mm

KRAKENEXO®

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

Applications

- Aggressive interior attack hose
- Rapid intervention team (RIT) hose
- For stand pipe and high rise operations
- Pre-connected cross-lay attack hose
- Pre-connected front bumper attack hose
- Potable water transfer hose (stenciled)

Features and Benefits

- Extremely kink resistant, even at low pressure
- Comes standard with Wayout® couplings
- Standard with the Identify® recessed area for color coding, bar coding and/or identification markings
- Features our 2-10L warranty 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")



- Unique Mertex® lining
- Premium all synthetic double jacket
- 400 PSIG / 2755 kPa service pressure
- Standard with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Burst safety factor of 3.75 times the service pressure for greater security, with the exception of 3" (76mm)
- Remains flexible to -65° F (-55° C)
- Exceeds NFPA 1961, UL and FM performance requirements
- UL approved and can be UL labeled upon request

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

EXOMETRO™

Designed specifically for aggressive fire fighting applications with true diameter waterways.

Applications

- Aggressive interior attack hose
- Rapid intervention team (RIT) hose
- For stand pipe and high rise operations
- Pre-connected cross-lay attack hose
- Pre-connected front bumper attack hose
- Potable water transfer hose (stenciled)

Features and Benefits

- True diameter means less water weight, which makes this hose easier to stretch, advance and maneuver
- Kinks less than any other hose in its class, especially at low pressures
- Unique Mertex® lining yields extremely low friction loss, for maximum flow and superior adhesion
- Standard with anodized Wayout® couplings and IDentify® coding system.
 - The reflective recessed arrows help guide the way out of a fire
 - The IDentify® recessed area provides for color and bar coding and/or identification markings



- Features our Mercedes Textiles Limited 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")
- Standard with our Permatek HP™ treatment in (9) color options
- Burst safety factor of 3.75 times the service pressure for greater security
- Remains flexible to -65° F / -55° C
- Exceeds NFPA 1961, UL and FM performance requirements
- UL approved and can be UL labeled upon request

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
820	1.75	44	2 0	51	14.5	6.6	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

AQUAFLOW[®] PLUS

Designed for fire services where durability and light weight are paramount.

Applications

- Pre-connected cross-lay attack hose
- Rapid intervention team (RIT) hose
- Pre-connected front bumper attack hose
- Potable water transfer hose (stenciled)

Features and Benefits

- Features our 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "lifetime against delamination")
- Optional Mertex Wayout[®] couplings



- Available with the Identify[®] recessed area for color coding, bar coding and/or identification markings
- Unique Mertex[®] lining
- Premium all synthetic double jacket
- Standard with Permatek HP[™] treatment against abrasion, moisture pick up and mildew
- Remains flexible to -65° F (-55° C)
- Meets ULC requirements and can be labeled upon request in the sizes* specified below

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
411	1.00	25	1 9/32	33	7.3	3.3	14.5	36.8	400	2 755	800	5 515	1 450	10 100
412	1.5*	38*	1 15/16	49	12.5	5.7	16.5	41.9	400	2 755	800	5 515	1 450	10 100
413	1.75*	44*	2 1/8	54	14.0	6.4	17.0	43.2	400	2 755	800	5 515	1 500	10 345
414	2*	51*	2 5/16	59	16.8	7.6	17.0	43.2	400	2 755	800	5 515	1 450	10 100
415	2.5*	64*	3	76	21.0	9.5	19.0	48.3	400	2 755	800	5 515	1 450	10 100
416	3*	76*	3 5/16	84	26.0	11.8	21.0	53.3	400	2 755	800	5 515	1 250	8 620

MERTEX WAYOUT[®]

Designed to improve life safety in the Fire Service.

- Directional arrows (patented) are engraved into and below the surface of the female coupling, pointing in the direction of the water source with standard connectivity. Available in sizes 1 to 3 inch (25 to 76mm)
 - The visibility of the recessed arrows are enhanced by the addition of a highly reflective material
 - Arrows reflect under low lighting to assist in guiding the way out
 - Recessing the arrow helps prevent damage to the reflective material from abrasion
 - The reflective arrow greatly improves night time visibility of the hose line on the fire ground, reducing accidental damage
- Features the Identify[®] recessed area for color coding, bar coding and/or identification markings in sizes 1.5 to 3 inch (38 to 76mm)
- Two Year All Hazards Warranty and 10 years against manufacturing defects



- Available with the following fire hose products:
 - AQUAFLOW-PLUS[®]
 - AQUAPOWER[™]
 - CARRY-LITE[®]
 - EXOMETRO[™]
 - FUTURE-LINE[®]
 - HYDRATAK[™]
 - KRAKENEXO[®]
 - X-STREAM[®]
 - X-STREAM[®] PLUS

Patents : US 9,539,449; Canada 2,753,087; South Africa 2011/06223; UK 2,480,968. Other patents pending.

Diameters	1.00in/25mm	1.50in/38mm	2.00in/51mm	2.50in/64mm	3.00in/76mm
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MTFS-800-DP[®]

Designed for normal day to day wear and tear.

Applications

- Pre-connected cross-lay attack hose
- Rapid intervention team (RIT) hose
- High-rise hose kits, attack hose
- Pre-connected front bumper attack hose
- Decontamination and wash down hose
- Potable water transfer hose (stenciled)

Features and Benefits

- It's light weight reduces fire fighter fatigue and stress
- Tough and ready for action
- Unique Mertex[®] lining
- Premium all synthetic double jacket
- Available with the Identify[®] recessed area for color coding, bar coding and/or identification markings



- coding and/or identification markings
- Standard with Permatek HP[™] treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, and hydrolysis
- Remains flexible to -65° F (-55° C)
- Meets ULC requirements and can be labeled upon request in the sizes* specified below

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
422	1.00	25	1 9/32	33	7.0	3.2	14.5	36.8	400	2 755	800	5 515	1 200	8 275
417	1.5*	38*	1 13/16	46	10.5	4.8	14.5	36.8	400	2 755	800	5 515	1 200	8 275
418	1.75*	44*	2	51	12.0	5.5	14.5	36.8	400	2 755	800	5 515	1 200	8 275
419	2*	51*	2 5/16	59	16.0	7.3	15.5	39.4	400	2 755	800	5 515	1 200	8 275
420	2.5*	64*	2 7/8	73	19.0	8.6	16.0	40.6	400	2 755	800	5 515	1 200	8 275
421	3*	76*	3 5/16	84	25.5	11.6	16.0	40.6	400	2 755	800	5 515	1 200	8 275

iIDENTIFY[®] CODING SYSTEM

Designed to receive and protect identification markings and decals from abrasion damage.

Applications

- Barcode labeling of products
- Hose line color code identification
- Recessed identification markings of products
- Reflective labeling of products

Features and Benefits

- Recessed identification zone on hose couplings for multipurpose applications
- Protects barcode labels, color labels, identification markings and reflective decals from abrasion damage
- Bar coding and stamped markings facilitate the ability to track and inventory hose, track hose testing and/or repair, as well as warranty validation
- Facilitates color coding of a hose line for identification purposes and therefore eliminates the need to color code the complete length of hose



- Allows hose line color coding to be changed as required
- Reflective decals facilitate increased night visibility
- VERSATILITY X3 .. Bar code, stamping and/or color coding. Multiple combinations. Have it your way.

AQUAPOWER™

Designed for interior attack applications requiring high kink resistance and durability.

Applications

- Aggressive interior attack hose
- Pre-connected cross-lay attack hose
- Pre-connected front bumper attack hose

Features and Benefits

- Features our "2 year All Hazards" and "10 years against manufacturing defects"
- Optional Mertex Wayout® couplings
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings



- Extremely kink resistant, even at low pressure
- Standard with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Uses through the weave extrusion lining process, which completely encapsulates the jacket textile
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and 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

MTSS-800™

Designed for the cost conscious fire service.



Applications

- Pre-connected cross-lay attack hose
- Decontamination and wash down hose

Features and Benefits

- Unique Mertex® lining
- Premium all synthetic double jacket
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings

- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Will remain flexible to -40° F (-40° 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
429	1.50	38	1 13/16	46	11.0	5.0	15.5	39.4	400	2 755	800	5 515	1 200	8 275
430	1.75	44	2	51	13.0	5.9	15.5	39.4	400	2 755	800	5 515	1 200	8 275
432	2.50	64	2 7/8	73	20.0	9.1	16.5	41.9	400	2 755	800	5 515	1 200	8 275
433	3.00	76	3 5/16	84	26.0	11.8	18.0	45.7	400	2 755	800	5 515	1 200	8 275

CARRY-LITE®

Designed as the most easily advanced high rise attack hose.

Applications

- High-rise hose kits, attack hose
- Rapid intervention team (RIT) hose

Features and Benefits

- Light weight yet rugged with the lowest drag coefficient, for RIT and high rise fire fighting
- Optional Mertex Wayout® couplings
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings



- Highly flexible and snag resistant due to unique inner bonding process of the outer jacket, which locks outer fibers in place
- Unique Mertex® lining
- Premium all synthetic double jacket
- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew

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
405	1.50	38	1 3/4	44	10.5	4.8	12.0	30.5	300	2 070	600	4 140	900	6 200
406	1.75	44	2	51	12.0	5.5	14.0	35.6	300	2 070	600	4 140	900	6 200

MERLITE™ 2 x 2 1/2

Designed as a Lightweight fire hose coupling with protective shoulder.

- Our innovative MERLITE™ 2x2½ is a lightweight 2 ½ inch (64mm) fire hose coupling that facilitates greater flow for a 2 inch (51mm) fire hose
- A patented* protective shoulder protects the male threads from damage
- Half the weight (approximately) of competitive couplings. The nearly 1 ½ pound (0.7 Kg) weight reduction per set is an important feature for firefighters in high rise / standpipe operations
- Available with our Mertex Wayout® engraved reflective arrows (patented) that assist in guiding the way out. These couplings also come with the Identify® recessed area for color coding, bar coding and/or identification markings
- Our anodized process provides added resistance to abrasion, salt and corrosion
- The coupling is available in standard or gold color, as shown
- Two Year All Hazards Warranty and 10 years against manufacturing defects



* Patents : US 9,103,474; Canada 2,808,486



[INDUSTRIAL]



MD-500™

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

Applications

- Industrial applications hose
- Supplying stand pipe systems
- Pumper to pumper relay
- Potable water transfer hose (stenciled)

Features and Benefits

- Unique Mertex® lining
- Premium all synthetic double jacket



- Choice of Threaded or Storz lightweight couplings
- Standard with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° 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
650	4.00	102	4 3/8	111	34.5	15.7	16.0	40.6	250	1 725	500	3 450	750	5 175
651	5.00	127	5 3/8	137	43.5	19.8	17.0	43.2	250	1 725	500	3 450	750	5 175

MD-800™

Designed for normal day to day wear and tear.

Applications

- Industrial applications hose
- Public works, parks (hockey rinks, swimming pools, etc)
- Potable water transfer hose (stenciled)
- Decontamination and wash down hose

Features and Benefits

- Tough and ready for action but light in weight
- Unique Mertex® lining
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings



- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° 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
860	1.00	25	1 9/32	33	7.0	3.2	14.5	36.8	400	2 755	800	5 515	1 200	8 275
637	1.50	38	1 13/16	46	10.8	4.9	15.0	38.1	400	2 755	800	5 515	1 200	8 275
638	1.75	44	2	51	14.0	6.4	15.0	38.1	400	2 755	800	5 515	1 200	8 275
639	2.00	51	2 5/16	59	16.0	7.3	15.5	39.4	400	2 755	800	5 515	1 200	8 275
640	2.50	64	2 7/8	73	19.0	8.6	16.0	40.6	400	2 755	800	5 515	1 200	8 275
641	3.00	76	3 5/16	84	25.5	11.6	18.0	45.7	400	2 755	800	5 515	1 200	8 275

SNOWBLASTER 2000®

The ultimate in snowmaking hose.

Applications

- Snow making hose

Features and Benefits

- Superior performance and durability withstands the rigorous demands of high pressure snow making and winter environments
- Remains flexible to -65° F (-55° C)
- Unique Mertex® lining
- Premium all synthetic double jacket



- Standard with Permatak HP™ treatment against abrasion, moisture pick up and mildew
- Available with the Identify® recessed area for reflective markings, bar coding and/or identification markings
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 50'(15.2M)		Coil Diameter 50'(15.2M)		Service Pressure (Maximum)		Proof (Test) Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
620	1.5	38	1 13/16	46	12	5.5	16	40.6	650	4 480	800	5 515	2 000	13 775
621	2	51	2 5/16	59	18.5	8.4	16	40.6	650	4 480	800	5 515	2 000	13 775
654	2.5	64	2 13/16	71	22	10	16	40.6	600	4 140	800	5 515	1 800	12 400
655	3	76	3 3/8	86	34	15.5	16	40.6	650	4 480	800	5 515	1 950	13 440

All hoses are water tested to 800 PSI (5 515 kPa) as a coupled assembly at the factory, to ensure hose integrity and coupling retention. Random samples are also subjected to a burst pressure test per the above table, for design requirements. Note that all hose will deteriorate over time based on such factors as usage, environmental, etc.

FUTURE-LINE®

The ultimate in a rapid cleanup, packable, lightweight hose.

Applications

- Pre-connected front bumper attack hose
- Pre-connected cross-lay attack hose
- Chemical and petroleum product environments
- Public works, parks (hockey rinks, swimming pools, etc)
- Decontamination and wash down hose
- Potable water transfer hose (stenciled)
- Marine fire hose and RV potable water (when specified potable water)

Features and Benefits

- Polyurethane covered outer jacket greatly reduces clean-up time and effort
- Excellent packability and extremely light in weight
- Premium all synthetic double jacket



- Unique Mertex® lining
- Optional Mertex Wayout® couplings
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Available in red and blue for 1 1/2"/38mm, and red for 1 3/4"/45mm and 2 1/2"/64mm
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual

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
903	1.50	38	1 13/16	46	10.5	4.8	14.0	35.6	400	2 755	800	5 515	1 200	8 275
905	1.75	44	2	51	14.0	6.4	14.5	36.8	400	2 755	800	5 515	1 200	8 275
907	2.50	64	2 7/8	73	24.4	11.1	17.0	43.2	400	2 755	800	5 515	1 200	8 275

HD SNOWBLASTER™

The ultimate in HD snowmaking hose

Applications

- Snow making hose

Features and Benefits

- Superior performance and durability withstands the rigorous demands of high pressure snowmaking and winter environments
- Specially designed **Krakenhammer® End-Protectors** for added robustness to prevent accidental damage, such as when clearing off ice during snowmaking
- A newly designed more robust inner core produces the highest working pressures of any snowmaking hose on the market today
- Available with **IDentify®** recessed area with reflective 360 degree protection for nighttime snowmaking operations, bar coding and/or identification markings on the coupling



- Unique Mertex® lining for low energy, higher efficiency water flow
- **Merflex™** technology produces superior flexibility even under extreme winter conditions to temperatures of -65° F (-55° C)
- Premium multilayer all synthetic snowmaking hose
- Standard with **Permatek HP™** treatment against abrasion, UV and moisture pick up

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure (Maximum)		Proof (Test) Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
835	1.5	38	1 13/16	46	12.25	5.57	16	40.6	650	4 480	800	5 515	2 000	13 775

All hoses are water tested to 800 PSI (5 515 kPa) as a coupled assembly at the factory, to ensure hose integrity and coupling retention. Random samples are also subjected to a pressure test of 2000 PSI (13 775 kPa) for design requirements.

Note that all hose will deteriorate over time based on such factors as usage, environmental, etc.

MTI-500™

Designed as a double jacket, "all purpose" industrial hose.



Applications

- Industrial applications hose
- Public works, parks (hockey rinks, swimming pools, etc)
- Decontamination and wash down hose

Features and Benefits

- Tough and ready for action and light in weight
- Strong, compact and practical, and will fit on most hose storage devices
- Unique Mertex® lining
- Premium all synthetic double jacket
- Available with the **IDentify®** recessed area for color coding, bar coding and/or identification markings

- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual

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
546	1.50	38	1 3/4	44	12.6	5.7	16.0	40.6	250	1 725	500	3 450	750	5 175

NIAGARA®

Most rugged single jacket "all purpose /everyday use" industrial /forestry /municipal fire hose.

Applications

- Cabinet /reel fire hose
- Industrial applications hose
- Public works, parks (hockey rinks, swimming pools, etc)
- Potable water transfer hose (stenciled)
- Marine fire hose and RV potable water (when specified potable water)
- Decontamination and wash down hose
- High-rise hose kits, supply hose
- Urban interface, forestry, grass fire kits, supply hose

Features and Benefits

- Strong, compact, light in weight, and will fit on most hose storage devices
- Unique Mertex® lining
- Premium all synthetic single jacket



- Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Factory Mutual approved and can be FM labeled in the sizes specified*
- Remains flexible to -65° F (-55° C)
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
612	1.00	25	1 5/32	29	7.6	3.5	15.0	38.1	250	1 725	500	3 450	750	5 175
613	1.5*	38*	1 3/4	44	12.9	5.9	15.0	38.1	250	1 725	500	3 450	750	5 175
615	1.75*	44*	1 15/16	49	13.9	6.3	16.0	40.6	250	1 725	500	3 450	750	5 175
616	2.00*	51*	2 3/16	56	15.6	7.1	16.0	40.6	250	1 725	500	3 450	750	5 175
617	2.5*	64*	2 3/4	70	22.8	10.4	16.5	41.9	250	1 725	500	3 450	750	5 175
646	2.75	70	2 7/8	73	23.7	10.8	16.5	41.9	250	1 725	500	3 450	750	5 175
618	3.00*	76*	3 3/16	81	25.0	11.4	17.0	43.2	250	1 725	500	3 450	750	5 175
619	4.00	102	4 3/16	106	37.0	16.8	18.0	45.7	200	1 375	400	2 755	600	4 140
645	5.00	127	5 3/16	132	48.0	21.8	18.0	45.7	200	1 375	400	2 755	600	4 140
649	6.00	152	6 3/16	157	66.0	30.0	18.0	45.7	150	1 031	300	2 066	500	3 450

TRYME®

Designed for industrial protective applications in chemical and petroleum environments.

Applications

- Decontamination and wash down hose
- Chemical and petroleum product environments
- Public works, parks (hockey rinks, swimming pools, etc)

Features and Benefits

- Black polyurethane covered jacket
- Tough and ready for action and light in weight
- Unique Mertex® lining



- Premium all synthetic double jacket
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Combines the advantages of covered single jacket hose with the hydrostatic superiority of double jacket hose

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
993	1.50	38	1 3/4	44	9.5	4.3	14.0	35.6	200	1 375	400	2 755	1 200	8 275

POLYFLEX®

All synthetic, rack and reel fire hose for interior use.



Applications

- Cabinet /reel fire hose

Features and Benefits

- Strong, compact, light in weight and will fit on most hose storage devices
- Unique Mertex® lining
- Premium all synthetic single jacket

- Factory Mutual and UL approved and can be FM and /or UL labeled in the sizes specified*
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
503	1.5*	38*	1 11/16	43	10.2	4.6	11.5	29.2	250	1 725	500	3 450	750	5 175
507	2.5*	64*	2 3/4	70	20.6	9.4	14.5	36.8	250	1 725	500	3 450	750	5 175

MTS-500™

Designed as a single jacket, "all purpose" industrial hose.



Applications

- Industrial and forestry applications hose
- Public works, parks (hockey rinks, swimming pools, etc)
- Marine fire hose and RV potable water (when specified potable water)

Features and Benefits

- Strong, compact, light in weight, and will fit on most hose storage devices
- Unique Mertex® lining
- Premium all synthetic single jacket

- Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
528	1.50	38	1 11/16	43	12.6	5.7	16.0	40.6	250	1 725	500	3 450	750	5 175
529	1.75	44	1 15/16	49	13.2	6.0	16.0	40.6	250	1 725	500	3 450	750	5 175

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[FORESTRY]



HYDRO-WICK® PROCESS

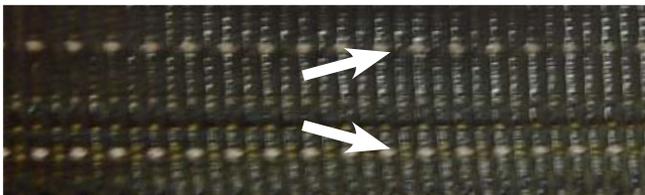
Patented Hydro-Wick® Weeping Process

Special problems require special solutions and Mercedes Textiles Limited is particularly innovative in creating practical solutions to difficult problems. When the Forest Services of North America needed a more finely controlled weeping (self-protecting) hose than the previous technology could provide, Mercedes Textiles Limited created this clever yet simple design wherein carefully spaced yarns were exposed into the waterway. Through capillary action, a controlled amount of water is allowed to wick through the yarn and quickly soak the jacket thoroughly. This action produces a wetted outer surface without reducing flow or creating additional turbulence. When the jacket is fully wet, the capillary action automatically stabilizes.

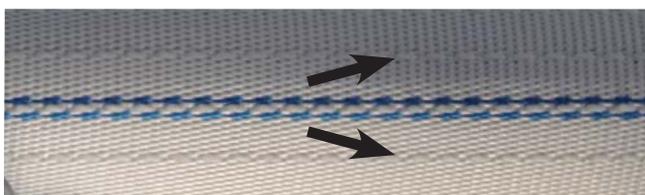
- The Hydro-Wick® weeping process results in considerably less pressure loss than competing products, while still maintaining protection against fire and heat
- Virtually eliminates clogging, as compared to competing products
- Complete wet out is achieved in up to 300% less time than the needle prick method
- The resulting wet jacket provides excellent protection against heat, i.e., forest fire applications

Hydro-Wick® Weeping Process “Wick Effect”

Liner Wicks Pick up the Water



Jacket Wicks Distribute the Water



FIREBREAK II®

Worldwide, the #1 choice for weeping hose among forest fire agencies.



Applications

- Forestry light weight, self-protecting, attack /supply hose
- Urban interface, grass fire kits, and mop up hose
- Wildland brush fire truck attack hose
- Cottage and forestry home values protection hose

Features and Benefits

- Patented Hydro-Wick® weeping process producing a “wick” effect to dampen the hose jacket
- Tough and light in weight

- Unique Mertex® lining
- Premium all synthetic single jacket
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual
- Meets ULC S519.1 requirements and can be labeled upon request in the sizes* specified below

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
730	1.00	25	1 5/32	29	8.0	3.6	14.0	35.6	300	2 070	600	4 140	900	6 200
731	1.5*	38*	1 11/16	43	11.0	5.0	14.0	35.6	300	2 070	600	4 140	1 000	6 900
734	2.50	64	2 11/16	68	16.5	7.5	15.0	38.1	250	1 725	500	3 450	800	5 515

FORESTFLO®

Cotton/synthetic jacket combined with Hydro-Wick® weeping process provides maximum heat protection.



Applications

- Forestry light weight, self-protecting, attack hose
- Urban interface, grass fire kits, and mop up hose

Features and Benefits

- Cotton /synthetic single jacket
- Patented Hydro-Wick® weeping process producing a “wick” effect to dampen the hose jacket
- Standard treatment of cotton jacket includes anti-fungal and anti-microbe as per ULC S518/S519 and CGSB CAN2-4.2 method 28.3

- Light weight and compact with superior heat and abrasion resistance
- Unique Mertex® lining
- Meets or exceeds all performance requirements of NFPA 1961, ULC S519 and ULC 400° C Hot Block test
- Meets ULC requirements and can be labeled upon request in the sizes* specified below
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, and hydrolysis

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
762	1.00	25	1 5/32	29	8.5	3.9	15.0	38.1	300	2 070	600	4 140	900	6 200
707	1.5*	38*	1 11/16	43	12.0	5.5	15.0	38.1	300	2 070	600	4 140	900	6 200

PERCOLITE™

All synthetic ULC weeping hose approved for helicopter deployment, where every pound matters.



Applications

- Helicopter attack hose
- Forestry extra light weight, self-protecting, attack hose
- Urban interface, grass fire kits, and mop up hose
- Cottage and forestry home values protection hose

Features and Benefits

- Extremely light in weight
- Patented Hydro-Wick® weeping process producing a "wick" effect to dampen the hose jacket

- Unique Mertex® lining
- Premium all synthetic single jacket
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Meets ULC S519.1 requirements and can be labeled upon request in the sizes* specified below

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
710	1.00	25	1 5/32	29	6.6	3.0	14.0	35.6	300	2 070	600	4 140	900	6 200
711	1.5*	38*	1 11/16	43	9.0	4.1	14.0	35.6	300	2 070	600	4 140	900	6 200

FIRE BOSS®

Most rugged with lowest friction loss, all synthetic non-percolating forestry hose, standard with yellow Permatek HPT™ treatment.



Applications

- Forestry and industrial applications hose
- Wildland brush fire truck attack hose
- Cottage and forestry home values protection hose
- High-rise hose kits, attack hose

Features and Benefits

- Tough and ready for action and light in weight.
- Spun yarn jacket for superior abrasion resistance
- Standard strobe yellow Permatek HP™ treatment against abrasion, moisture pick up and mildew

- Unique Mertex® lining
- Premium all synthetic single jacket
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual
- Meets or exceed all performance requirements of U.S.D.A. spec 5100-187C Type II for 1" (25mm) and 1 ½" (38mm)

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
750	1.00	25	1 5/32	29	9.0	4.1	17.0	43.2	300	2 070	600	4 140	1 000	6 900
751	1.50	38	1 11/16	43	13.5	6.1	17.0	43.2	300	2 070	600	4 140	1 000	6 900
752	1.75	44	1 7/8	48	15.5	7.0	17.0	43.2	300	2 070	600	4 140	1 000	6 900

FIRE STOP®

A rugged all synthetic non-percolating forestry hose.



Applications

- Forestry and industrial applications hose
- Wildland brush fire truck attack hose
- Cottage and forestry home values protection hose

Features and Benefits

- Tough and ready for action and light in weight
- Spun yarn jacket for superior abrasion resistance
- Unique Mertex® lining
- Premium all synthetic single jacket

- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual
- Meets or exceed all performance requirements of U.S.D.A. spec 5100-187C Type II for 1" (25mm) and 1 1/2" (38mm), when coated

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
740	1.00	25	1 5/32	29	8.6	3.9	16.0	40.6	300	2 070	600	4 140	1 000	6 900
741	1.50	38	1 11/16	43	13.0	5.9	16.0	40.6	300	2 070	600	4 140	1 000	6 900
742	1.75	44	1 7/8	48	14.8	6.7	16.0	40.6	300	2 070	600	4 140	1 000	6 900

FORESTGUARD II®

Tough, all synthetic, ULC approved non-percolating forestry hose.



Applications

- Forestry lightweight, attack /supply hose
- Urban interface, grass fire kits, and mop up hose
- Wildland brush fire truck attack hose
- Cottage and forestry home values protection hose

Features and Benefits

- A tough versatile lightweight forestry fire hose
- Unique Mertex® lining
- Premium all synthetic single jacket
- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew

- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters' Laboratories of Canada Spec .1, Factory Mutual and USDA Spec 5100-187C Type I for 1" (25mm) and 1 1/2"(38mm), when treated yellow
- Meets ULC requirements and can be labeled upon request in the sizes* specified below

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
704	1.00	25	1 5/32	29	8.0	3.6	14.0	35.6	300	2 070	600	4 140	1 000	6 900
705	1.5*	38*	1 11/16	43	11.8	5.4	14.0	35.6	300	2 070	600	4 140	1 000	6 900
706	1.75	44	1 7/8	48	13.5	6.1	15.0	38.1	300	2 070	600	4 140	900	6 200
701	2.50	64	2 3/4	70	22.0	10.0	16.5	41.9	300	2 070	600	4 140	900	6 200

FORESTSTREAM®

A light weight all synthetic, non-percolating, ULC approved forestry hose for both helicopter deployment and over-land supply.

Applications

- Forestry extra lightweight, attack /supply hose
- Helicopter attack hose
- Urban interface, grass fire kits, and mop up hose
- Cottage and forestry home values protection hose

Features and Benefits

- Extremely light in weight
- Unique Mertex® lining
- Premium all synthetic single jacket
- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew



- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters' Laboratories of Canada Spec S518.1, Factory Mutual and USDA Spec 5100-187C Type I, when coated for 1"(25mm) and 1 1/2"(38mm)
- Meets ULC requirements and can be labeled upon request in the sizes* specified below

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
713	1.00	25	1 5/32	29	6.5	3.0	13.5	34.3	300	2 070	600	4 140	900	6 200
715	1.5*	38*	1 11/16	43	9.5	4.3	13.5	34.3	300	2 070	600	4 140	900	6 200
718	2.50	64	2 11/16	68	16.5	7.5	15.0	38.1	250	1 725	500	3 450	750	5 175

MTS-187 T-2™

Rugged all synthetic, single jacket forestry hose, c/w our yellow Permatek™ HP treatment and our "lowest friction loss" lining.

Applications

- Wildland Brush Fire Truck Attack Hose
- High-Rise Hose Kits, Attack Hose
- Industrial and Forestry Applications Hose
- Cottage and forestry home values protection hose

Features and Benefits

- Tough and ready for action but light in weight
- Our unique Mertex® lining process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow

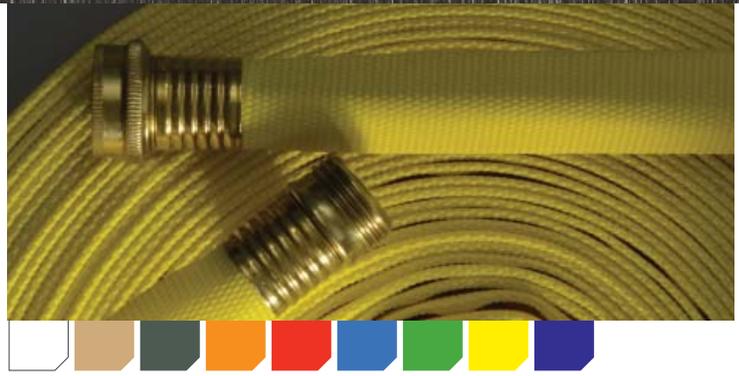


- Standard Strobe Yellow Permatek™ HP treatment for greater visibility & abrasion resistance and greatly reduces moisture absorption through the jacket
- Resistant to most chemicals, petrol products, ozone & U.V. exposure, hydrolysis, and rot & mildew Meets or exceeds all performance requirements of NFPA 1961, Underwriter's Laboratories & Factory Mutual
- Meets or exceed all performance requirements of U.S.D.A. spec 5100-187B Type II

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	LBS	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
535	1.00	25	1 5/32	29	8.8	4.0	16.0	40.6	300	2 070	600	4 140	900	6 200
536	1.50	38	1 11/16	43	11.8	5.4	16.5	41.9	300	2 070	600	4 140	900	6 200
537	1.75	44	1 7/8	48	14.2	6.5	16.5	41.9	300	2 070	600	4 140	900	6 200

MYTI-FLO®

A circular woven, seamless, all synthetic hose featuring "lowest friction loss lining".



Applications

- Forestry mop-up and sprinkler hose
- Cottage and forestry home values protection hose
- Decontamination and wash down hose
- Industrial applications hose
- Marine fire hose and RV potable water (when specified)

Features and Benefits

- Seamless, light weight, and multipurpose
- Unique Mertex® lining
- Premium all synthetic single jacket

- Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Remains flexible to -65° F (-55° C)
- Meets or exceeds all performance requirements of NFPA 1961, Underwriters Laboratories and Factory Mutual
- Available with both GHT and patented Baby Merlug® ¾"/19mm QC couplings

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
810	5/8	16	N/A	N/A	1.5	0.7	8.0	20.3	250	1 725	500	3 450	750	5 175
719	3/4	19	N/A	N/A	1.7	0.8	8.0	20.3	250	1 725	500	3 450	750	5 175

BOOSTLITE®

A non-collapsible reel hose designed to meet a variety of fire attack requirements.



Applications

- Booster reel hose
- Range control attack hose
- Wildland brush fire truck attack hose
- Compressed Air Foam System (CAFS) applications

Features and Benefits

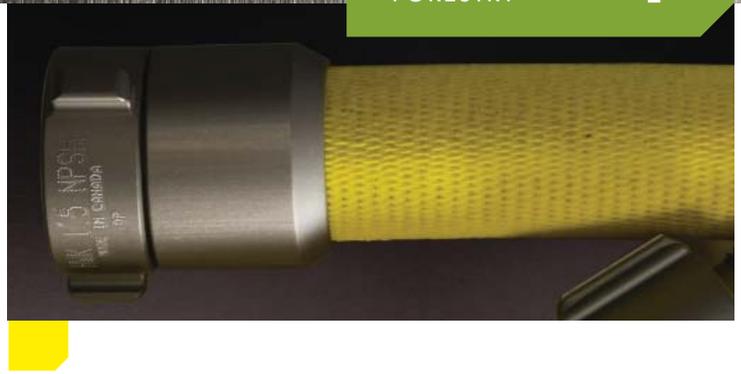
- Extremely kink resistant, even at low pressure
- Bend radius is less than 3 ½"/8.9cm for a ¾"/19mm hose; 4 ½"/11.4cm for a 1.0"/25mm hose; and 9.0"/23cm for a 1 ½"/38mm hose
- Non-Collapsible and fits standard hose reels

- Heavy duty spun yarn construction
- Unique Mertex® lining
- Premium all synthetic single jacket
- Standard Strobe Yellow Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, and hydrolysis
- Temperature range of -60° F to 160° F (-50° C to 71° C)
- Available with expansion ring and field repairable couplings, field repairable splice, factory installed compression splice and compression couplings

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
799	0.75	19	1 1/16	27	14.9	6.8	15.3	38.9	400	2 755	800	5 515	2 000	13 775
800	1.00	25	1 9/32	33	19.3	8.8	18.0	45.7	400	2 755	800	5 515	2 000	13 775
801	1.50	38	1 13/16	46	32.0	14.5	25.0	63.5	400	2 755	800	5 515	1 800	12 400

DRAFTLITE®

A crush resistant draft hose where light weight and high pressure resistance are critical.



Applications

- Suction /Supply Line

Features and Benefits

- Extremely kink resistant - See table for bend radius
- Heavy duty spun yarn construction
- Ideal for helicopter applications
- Unique Mertex® lining
- Premium all synthetic single jacket
- Standard Strobe Yellow Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Temperature range of -60° F to 160° F (-50° C to 71° C)
- Available with NH, NPSH, BSP, Cam & Groove in both sizes and QC couplings in 1.5" / 38mm

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 10'(3M)		Bend Radius		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
802	1.50	38	1 13/16	46	4.6	2.1	12.5	32	400	2 755	800	5 515	1 200	8 275
803	2.00	51	2 5/16	59	5.5	2.5	15.0	38	400	2 755	800	5 515	1 200	8 275

QUICKCONNECT

The only End to End Quick Connect (1/4 turn) System From 3/4" (19mm) through to 2 1/2" (63mm).

Applications

- Forestry, industrial and municipal hose

Features and Benefits

- The only sexless system to offer a full flow waterway
- Rapid connect and disconnect equals faster firefighting
- No threads or swivel to damage
- Compatibility among fire agencies
- Can attach hose sizes from 3/4" (19mm) To 2 1/2" (63mm)
- Hose can be rolled from either end
- High strength, forged couplings allow for multiple re-use
- Patented extended Merlug® facilitates universal spanner wrenches
- Patented Babylug™ is the only quick connect coupling in the industry for 5/8" / 16mm and 3/4" / 19mm forestry hose
- ULC and USDA approved for 1" / 25mm and 1 1/2" / 38mm
- Field proven for over 20 years



H

[HIGHWATER HOSE]



DELUGE™

Designed for high volume water supply where excellent friction loss, packability and cold temperature flexibility are critical.

Applications

- "LDH" supply hose
- Supplying stand pipe systems
- Supply stand alone portable hydrants
- Pumper to pumper relay

Features and Benefits

- Large diameter rubber layflat supply hose
- When specified, available with Hydowick Storz couplings with "Lock Protector" technology, in sizes 4" & 5" (102 & 127 mm)
- Available with Hydro-Wick Gold Anodized Storz couplings with the patented iReflect® lock levers and "Lock Protector" technology in sizes 4" & 5" (102 mm & 127 mm).
These couplings also feature the Identify® recessed area for color coding, bar coding and/or identification markings



- Various threaded and other lightweight Storz couplings available
- Remains flexible to -35° F (-36° C)
- Meets UL requirements and can be labeled upon request in sizes 4" & 5" (102 & 127 mm)
- Carries a Five (5) Year Warranty*
*With iReflect® technology couplings, Deluge™ carries a 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")
- Available colors: 4" (102mm) red and yellow; 5" (127mm) orange, red, blue and yellow; 6" (152mm) orange

Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
4	102	4 3/8	111	37.1	16.9	18.0	46.0	250	1 725	500	3 450	750	5 175
5	127	5 3/8	137	47.9	21.8	18.5	47.0	200	1 375	400	2 755	600	4 140
6	152	6 3/8	162	53.0	24.1	19.0	48.0	200	1 375	400	2 755	600	4 140

INTREPIDXP®

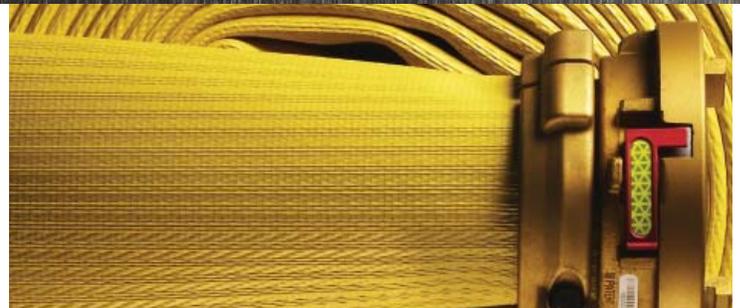
Designed for high pressure and high flows on the attack side of the pumper.

Applications

- "LDH" supply / attack hose
- Supplying stand pipe systems
- Supply stand alone portable hydrants
- Pumper to pumper relay

Features and Benefits

- 300 PSI / 2070 kPa working pressure NFPA compliant attack hose
- 20% lighter than any other large diameter rubber attack hose
- Exclusive triple ribbed design for superior abrasion resistance
- Outstanding packability
- Excellent low temperature flexibility remaining flexible to -35° F (-36° C)



- Offered with Hydro-Wick Gold Anodized Storz couplings
 - iReflect® lock levers* with lock protector technology
 - Identify® recessed area identification coding system
- IntrepidXP® with Hydro-Wick Gold Anodized Storz couplings features a 2-10L warranty
 - 2 year All Hazards
 - 10 year against manufacturing defects
 - Lifetime against delamination

*patent pending

Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
4.00	102	4 3/8	111	39.5	17.9	17.5	44.5	300	2 070	600	4 140	900	6 200
5.00	127	5 3/8	137	52.0	23.6	19.5	49.5	300	2 070	600	4 140	900	6 200

X-STREAM[®] PLUS

Designed for aggressive interior attack where excellent abrasion and cut resistance are essential and where color coded attack lines are crucial.

Applications

- Aggressive interior attack hose
- Pre-connected cross-lay and attack hose
- Pre-connected front bumper attack hose
- Compressed Air Foam System (CAFS) applications

Features and Benefits

- Features our 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")
- Comes standard with Mertex Wayout[®] couplings



- Standard with the Identify[®] recessed area for color coding, bar coding and/or identification markings
- Premium all synthetic double jacket
- Standard with Technolac[™] treatment in eight (8) NFPA colors options
- Remains flexible to -35° F (-36° C)
- Exceeds NFPA 1961 and UL Standard Performance requirements

Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
1 3/4	45	2 1/8	54	18.5	8.4	16.5	41.9	500	3 450	1 000	6 900	1 500	10 345
2 1/2	64	3	76	26.5	12.0	17.0	43.2	400	2 755	800	5 515	1 200	8 275

X-STREAM[®]

Designed for aggressive interior attack where excellent abrasion and cut resistance are essential.

Applications

- Aggressive interior attack hose
- Pre-connected cross-lay and attack hose
- Pre-connected front bumper attack hose
- Compressed Air Foam System (CAFS) applications



Features and Benefits

- Extremely kink resistant, even at low pressure
- Features our 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")
- Optional Mertex Wayout[®] couplings
- Available with the Identify[®] recessed area for color coding, bar coding and/or identification markings
- Standard with clear Technolac[™] treatment
- Remains flexible to -35° F (-36° C)
- Exceeds NFPA 1961 and UL standard performance requirements

Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
1 3/4	45	2 1/8	54	18.5	8.4	16.5	41.9	500	3 450	1 000	6 900	1 500	10 345
2 1/2	64	3	76	26.5	12.0	17.0	43.2	400	2 755	800	5 515	1 200	8 275

FLASHFLOOD 500™

Lightweight 3rd generation layflat oil resistant rubber fire hose for industrial fire protection.

Applications

- Industrial and forestry applications hose
- Chemical and petroleum product environments
- Pulp and paper mills
- Power plants including nuclear
- Decontamination and wash down hose
- In-plant racks, reels or apparatus

Features and Benefits

- UL listed and can be labeled upon request in all sizes



- Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- Colors: 1½"/38mm and 2½"/64mm black red, blue and yellow; 1¾"/45mm red and yellow; 2.0"/51mm blue
- Exceeds NFPA 1961 and UL standard performance requirements
- Maintenance free; just wipe down and return to service
- Highly resistant to fuels, chemicals, oils, heat & environmental pollutants. Impervious to molds, mildew & other airborne organisms

Trade Size		Bowl Size		Weight Un-coupled 50'(15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
1 1/2	38	1 3/4	44	11.0	5.0	12.5	31.8	250	1 725	500	3450	750	5 175
1 3/4	45	2	51	14.0	6.4	13.5	34.3	250	1 725	500	3450	750	5 175
2	51	2 3/16	56	17.5	8.0	14.0	35.6	250	1 725	500	3450	750	5 175
2 1/2	64	2 3/4	70	20.0	9.1	14.5	36.8	250	1 725	500	3450	750	5 175

HYDRATAK 600™

Designed as a flexible, primary attack, rubber fire hose for municipal firefighting.

Applications

- Interior attack hose
- Decontamination and wash down hose
- Marine fire hose
- Industrial applications hose

Features and Benefits

- Optional Mertex Wayout® couplings
- Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- All sizes available in red and yellow, 1¾"/45mm size also available in blue, orange and green



- Maintenance free; just wiped down and return to service
- Constructed from specially formulated synthetic nitrile rubber to produce excellent abrasion resistance
- Highly resistant to fuels, chemicals, oils, heat & environmental pollutants. Impervious to molds, mildew & other airborne organisms
- Carries a Five (5) Year Warranty
- With Mertex Wayout® technology couplings, Hydratak™ carries a 2-10L warranty ("2 year All Hazards", "10 year against manufacturing defects" and "Lifetime against delamination")

Trade Size		Bowl Size		Weight Un-coupled 50'(15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
1	25	1 9/32	33	9.3	4.2	16.0	40.6	300	2 070	600	4 140	900	6 200
1 1/2	38	1 3/4	45	14.5	6.6	16.0	40.6	300	2 070	600	4 140	900	6 200
1 3/4	45	2	51	17.0	7.7	16.5	41.9	300	2 070	600	4 140	900	6 200
2	51	2 3/16	56	18.3	8.3	17.0	43.2	300	2 070	600	4 140	900	6 200
2 1/2	64	2 3/4	70	24.0	10.9	17.5	44.5	300	2 070	600	4 140	900	6 200
3	76	3 5/16	84	29.0	13.2	18.0	45.7	300	2 070	600	4 140	900	6 200

FLD FORESTRY™

A rubber covered, layflat hose for forestry fire fighting where small size, heat resistance and low weight are an asset.



Applications

- Forestry agency attack hose
- Wildland brush fire truck attack hose

Features and Benefits

- Available in bright yellow

- Lower friction loss than comparable jacketed hose
- The ¾"(19mm) version comes with garden hose fittings for greater flexibility
- Exceeds NFPA 1961 and UL standard performance requirements
- Maintenance free; just wipe down and return to service

Trade Size		Bowl Size		Weight Un-coupled 50' (15.2M)		Coil Diameter 50' (15.2M)		Service Pressure		Test Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
3/4	19	1	25	5.5	2.5	12.0	30.5	300	2 070	600	4 140	900	6 200
1	25	1 3/16	30	7.0	3.2	12.5	31.8	300	2 070	600	4 140	900	6 200
1 1/2	38	1 3/4	44	11.0	5.0	12.5	31.8	300	2 070	600	4 140	900	6 200

Courses Offered

We offer training courses in the following categories:

- Fireline operating procedures for power pumps
- Repair and maintenance of portable fire pumps
- Basic Forest Fire Fighting

Training courses are offered in classroom and field environments with a hands-on, certified S100 instructor. Our courses can be given either in our classroom facilities or at a remote location anywhere in the world.

Ordering Information

Our distributors are located worldwide. Please contact us or go to our website to request the distributor nearest you.

Our Patents

- Unique Mertex® process (Argentina AR027882B1; Australia 773140; Malaysia 117519-A)
- Hydro-Wick® process (Canada # 2,087,576; U.S. # 5,515,262 #5,676,783 # 5,858,148)
- Baby Merlug® (Canada # 2168802; US # 6328350). Other patents pending
- Extended Merlug® Coupling (Canada # 2,152,661; US # 6,318,767; New Zealand # 286,872; Australia # 706,326)
- Mertex Wayout® coupling (US 9,539,449; Canada 2,753,087; South Africa 2011/06223; UK 2,480,968). Other patents pending
- IReflect® high visibility lock lever (US 9,895,562; Canada 2,772,960 ; China ZL201090001151.4). Other patents pending
- Identify® recessed area for couplings (China ZL201220060166.9; Germany 20 2012 100 577.8). Other patents pending
- High speed C/O switch (US 6,298,820). Other patents pending
- MERLITE™ lightweight coupling with protective shoulder (US 9,103,474; Canada 2,808,486).
- Fuel can adaptor (Canada 2,853,322; US 9,505602). Other patents pending
- Breather technology™ for fire hose (US 9,752,707; Canada 2,865,920)
- Plus other patents pending in several countries

Notations

- UL denotes Underwriters Laboratory USA and ULC denotes Underwriters Laboratory of Canada
- FM denotes Factory Mutual
- ® Represents registered trademarks of Mercedes Textiles Limited or Highwater Hose Inc, unless otherwise noted
- ™ Represents trademarks of Mercedes Textiles Limited or Highwater Hose Inc., unless otherwise noted
- All our hoses meet or exceed all performance requirements of NFPA 1961, Underwriter's Laboratories and Factory Mutual
- Specifications subject to change without notice

Terms and Conditions of Sale

Shortages or Damaged Merchandise

Any shortage, damage or error in shipment should be reported to us immediately upon receipt of goods and at the latest within 10 days after delivery. All packages should be carefully inspected for visible damage prior to acceptance, and delivery refused or damage noted when signing for receipt of packages.

Warranties

Standard warranty

Mercedes Textiles Limited and/or Highwater Hose Inc. offer a limited warranty on items manufactured by Mercedes Textiles Limited and/or Highwater Hose Inc., as described below under "defects in material", and disclaims liability for the following:

- Failure of the product if it is used for other than its intended purpose
- Changes or modifications not expressly approved by Mercedes Textiles Limited and/or Highwater Hose Inc.
- Unreasonable use, supplemental damage, or damage to the product not resulting from defects in material or workmanship
- Any personal injury, damage to property, or any incidental or consequential damages of any kind resulting from misuse, improper installation, negligence, repair, or alteration of the product

Note: Mercedes Textiles Limited and/or Highwater Hose Inc. make no warranty with respect to any item non-manufactured by it. The buyer is subject only to any such warranty made by these respective manufactures, and to the extent available to the buyer.

Defects in Material

Mercedes Textiles Limited and/or Highwater Hose Inc. guarantee all merchandise manufactured by Mercedes Textiles Limited and/or Highwater Hose Inc. to be free from defects in material and/or workmanship for a period of one (1) year from date of invoice (See pump manuals for limitations on hours of use, etc.). Any item believed to contain a defect must be returned to Mercedes Textiles Limited and/or Highwater Hose Inc. for examination and evaluation. If the merchandise is defective as a result of a manufacturing defect, Mercedes Textiles Limited and/or Highwater Hose Inc. will repair or replace the defective item and reimburse the buyer for reasonable transportation charges.

2-10-L warranty for the following coupled hose products

KrakenExo[®]; Aquaflow Plus[®]; EXOmetro[™]; Aquapower[™]; Megaflo[®] Breather; X-Stream[®] Plus; X-Stream[®]; Hydratak 600^{™*}; Deluge^{™**}; and IntrepidXP^{®**} hose products.

* When coupled with the patented Mertex Wayout[®]

** When coupled with the patented Storz IReflect[®]

"2" denotes Two year "all hazards" warranty (details below) against any damage incurred during firefighting applications

"10" denotes Ten year warranty against manufacturing defects

"L" denotes Lifetime warranty against liner delamination

Two year all hazards warranty

This warranty applies to selected products purchased after January 1, 2003 for a period of two (2) years. Mercedes Textiles Limited and/or Highwater Hose Inc. will repair or replace, at our option, any accidental damage to these products within this warranty period. Accidental damage can occur due to fire causes, cuts, abrasion or any other hazards that are present while fighting fires, which could render the hose unfit for use. Products that are used for purposes other than fire fighting, the use for which they are intended, shall not enjoy this warranty. Mercedes Textiles Limited and/or Highwater Hose Inc. reserve the right of final decision in cases of any ambiguity concerning a damaged hose.

10-L warranty for the following coupled hose products

MTFS-800-DP[®]; Carry-Lite[®]; Future-Line[®]; MTSS-800[™]

Coupling Warranty

The Mertex Wayout[®] and Storz IReflect[®] couplings carry a 2-10 warranty.

Returned Goods

If there is a need to return goods, please contact our customer service department with full details concerning the reason for return of any goods. The customer service will issue a Return Goods Order number (RGO), which should be indicated with the return goods shipment. Material being returned for credit will carry a minimum 20% handling and restocking charge. Goods must be in new and original condition subject to inspection, and returned freight prepaid.

Note: Non-standard items are non-cancelable and non-returnable for credit.

Return Goods Order Number (RGO)

To obtain repair or replacement, please request a Return Goods Order Number (RGO) prior to shipment of the hose and/or couplings to the factory. The cost of shipping to the factory will be paid by the Fire Department or customer. Mercedes Textiles Limited and/or Highwater Hose Inc. will cover the cost of returning the hose and couplings to the Fire Department or customer.

To request a Return Goods Order (RGO) number, contact the dealer who sold the hose, or refer to the Returned Goods section.

These warranties may be modified or discontinued at any time at the discretion of Mercedes Textiles Limited and/or Highwater Hose Inc.



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