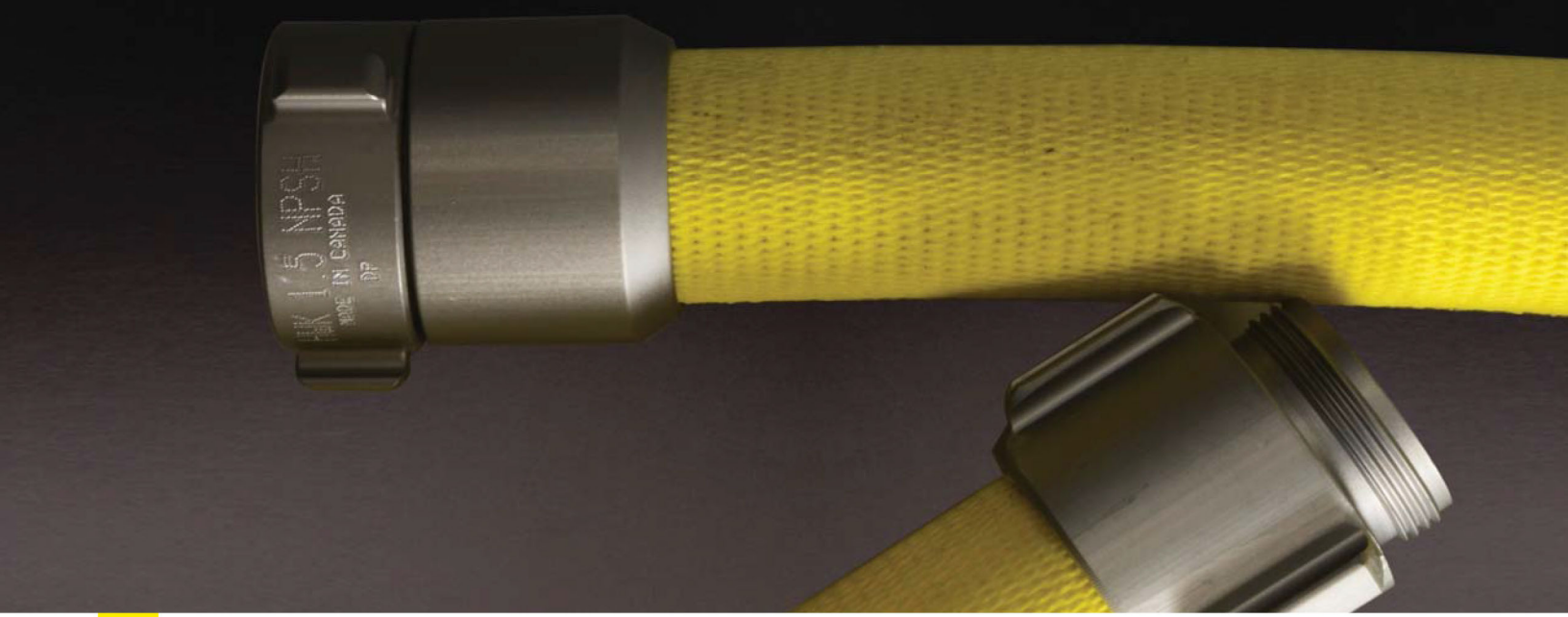
National Fire Equipment Ltd.

DRAFTLITE®

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



Applications

- Suction /Supply Line

DIAMETERS

- 1.50in/38mm
- 2.00in/51mm

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 to160° F (-50° C to 71° C)
- Available with NH, NPSH, QC and Cam and Groove couplings

Hose Spec	Trade Size		Bowl Size		Weight 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

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TORONTO: (905) 761-6355
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BURNABY: (604)-299-4498

EDMONTON: (780) 455-3870
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CALGARY: (403) 236-5661

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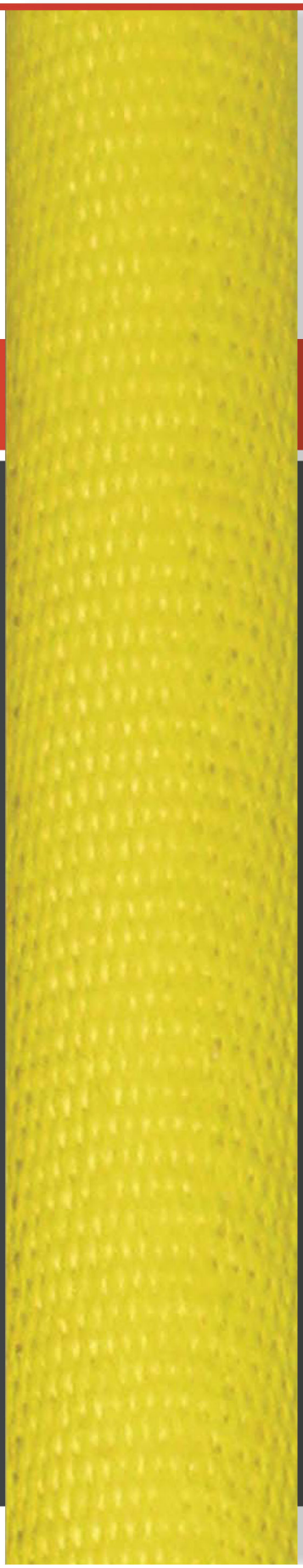
HOW TO SPECIFY DRAFTLITE®

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



JACKET
The jacket shall be a tight twill weave with a minimum filler (weft) yarns of 12.2 per inch (480 per Meter). It shall be made with 100% high tenacity heavy duty polyester spun yarn to assure maximum strength to weight ratio and excellent abrasion resistance.

The jacket shall be impregnated in Strobe Yellow color 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 ½" / 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 shall have a temperature range of -60° F to160° F (-50° C to 71° C).

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

KINK TEST
The bend radius shall be less than 12.5" (32 cm) for a 1 ½ inch (38mm) hose and less than 15.0" (38cm) for a 2.0 inch (51mm) hose.

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

COUPLING SPECIFICATIONS
Couplings shall be in conformance with the current NFPA standards. The coupling shall have the country of origin legibly marked on the outside surface as required in NFPA 1963.

The hose shall be available with NH, NPSH, QC and Cam & Groove couplings.

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

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