

HP

DIAMETERS

- 1.50in/38mm



HP SNOWMAKING HOSE

The ultimate solution for high pressure snowmaking environments

- » A newly designed more robust inner core produces the highest working pressures of any snowmaking hose on the market today
- » Superior performance and durability withstands the rigorous demands of high pressure snowmaking and winter environments
- » Specially designed **End-Protectors** for added robustness to prevent accidental damage, such as when clearing off ice during snowmaking
- » Standard 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

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)		Max. Working Pressure		Factory Test Pressure		Factory Burst Pressure (New)	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
835	1.50	38	1 13/16	46	12.25	5.57	16.0	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 for hose integrity and coupling retention. Random samples are also subjected to a pressure test of 2000 PSI (13 775 kPa) for design requirements. The working pressure shown in this table is the maximum working pressure. Note that all hose will deteriorate over time based on such factors as usage, environmental, etc.



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HOW TO SPECIFY HKD HP Snowmaking Hose

THE HOSE SHALL BE A MULTI-LAYER SYNTHETIC FABRIC MEETING THE PRESSURE REQUIREMENTS AS SPECIFIED ON THE PREVIOUS PAGE

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JACKETS

The inner alone shall be made with 100% filament polyester warp & weft yarn. The outer jacket shall be made with virgin spun polyester warp yarn, be impregnated with high performance polymeric dispersion and be available in the colors shown on the opposite page.

There shall be a polyester sleeve at both ends of the hose for added robustness to prevent accidental damage, such as when clearing off ice during snowmaking.

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 technology must produce superior flexibility even under extreme winter conditions to temperatures of -65° F (-55° C).

SERVICE, TEST AND BURST PRESSURES

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

KINK TEST

A full length will withstand a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

WEIGHT

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

COUPLING SPECIFICATIONS

Couplings shall be made of extruded aluminum, hard coated a minimum of .002" thick. They shall be manufactured in North America and permanently labeled with country of origin.

The couplings must come standard with a recessed area to accommodate reflective 360 degree protection for nighttime snowmaking operations, bar coding and/or identification markings on the coupling.

MANUFACTURE

Both hose and couplings must be manufactured in North America.

