

HY-FLOW

LIGHTWEIGHT RUBBER LINED FIRE HOSE

MADE IN
USA



THIS IS **KEY**

Lightweight, double jacket construction, combining 100% premium ring spun staple and filament polyester fibers over a thin wall, high tensile, EPDM rubber liner. The outer jacket is mildew resistant and available with double dip "Key-Lok" polyurethane based polymer impregnation for abrasion and moisture resistance. A proprietary reverse twill weave construction reduces friction loss, while engineered yarn selections lighten the hose compared to competitive offerings. This reliable, double jacket fire hose with Key-Lok treatment is tested to 600 psi and meets MIL-H-24606 latest edition for abrasion resistance. Features a 10-year warranty and lifetime liner delamination guarantee.

KEY HOSE

DOUBLE JACKET ATTACK/SUPPLY HOSE



RUBBER LINED FIRE HOSE

HY-FLOW

LIGHTWEIGHT DOUBLE JACKET RUBBER LINED HOSE

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
4"	DP40-600	300 psi	600 psi	900 psi	4 1/2"	0.82 lbs/ft
5"	DP50-600	300 psi	600 psi	900 psi	5 1/2"	1.14 lbs/ft

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified shall meet NFPA 1961 standards. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship.

Jacket Construction

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet Hy-Flow minimum standards. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV rays and ozone. It shall not be affected by rot or mildew. Hy-Flow double jacket hose may be woven with a double tracer stripe for ease in identification and twist. The inside and outside jackets shall be manufactured with a minimum pick count of 11 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction. The hose must be of sufficient body and weight to meet the demands of fire fighting usage.

Abrasion

Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance. NFPA colors may be specified by the end-user. A double dip process for twice the abrasion resistance is available upon request.

Lining

The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The tube thickness shall be a minimum of .023". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1 1/2" strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube requirement shall be 1800 psi.

Couplings

Hy-Flow coupling options are as required by purchaser, expansion ring threaded, Storz clamp ring, etc.

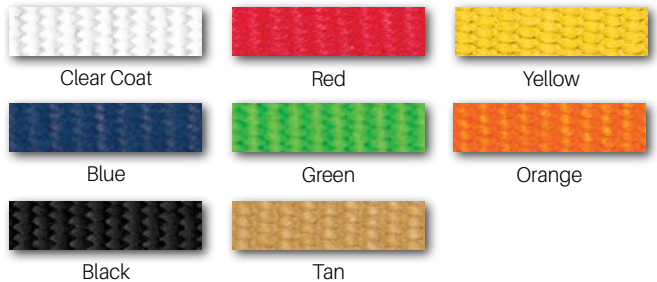
Performance

The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Hy-Flow diameters up to 5" shall be 900 psi / 62 bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962. Lengths available up to 100'.

Standards

Fire hose manufactured to this specification shall meet all performance requirements of NFPA 1961 and MIL-H-24606 latest edition for abrasion resistance.

Colors



NFPA colors available



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 09/21