



"The Hose Company"

BIG - 10 - Product Specification

BIG - 10

heavy duty double jacket
rubber lined attack hose

- 100% synthetic all polyester double jacket
- 100% mildew resistant
- Heavy wall EPDM rubber liner
- MIL-H-24606 first article tested and approved
- UL Listed
- Featuring special FDNY Spec 1-3/4" attack hose for 21% reduction in friction loss
- 10 year warranty
- Diameters: 1 1/2", 1 3/4", 1 3/4" FDNY Spec, 2 1/2", 3", 3 1/2", 4"



NFPA colors and special stripe available



clear



red



yellow



blue



green



orange



black



tan



striped

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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. For North American customers, due to lack of verification of adherence to NFPA 1961 standards, import hose shall not be accepted. Hose furnished under these specifications will have a potential service life and warranty of 10 years, 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 Big-10 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. The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 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 heavy-duty fire fighting usage.

Abrasion Impregnation: Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification. Impregnated hose shall meet the requirements of MIL-H-24606B 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 EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish with a minimum wall thickness of .040". No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. FDNY LINING is constructed with an ultra smooth oversized rubber liner to reduce friction loss by 21% when compared to standard 1-3/4". Tensile Strength, Ultimate Elongation & Adhesion: Shall meet the standards of Underwriters Laboratories, Inc. as well as all other properties of UL-19 for rubber lined hose. A valid USA/ULC Underwriters inspection procedure shall be in force.

Performance: The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Big-10 diameters up to 3" shall be 1200 PSI/82 Bar. Minimum burst test requirements for 3^{1/2}" and 4" diameters shall be 900 PSI/62 Bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962. A valid USA/ULC Underwriters 800 PSI/55 Bar listing shall be in force. Lengths available up to 100 feet.

Standards: Fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961, Underwriter's Laboratories and MIL-H-24606 standards.

Couplings: Big-10 shall be coupled with 6061-T6 extruded aluminum threaded couplings or forged storz. Special threads or other custom features available upon request.

Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised special diameters or construction characteristics may be produced by special request. For more information please contact a Key Hose authorized distributor.

*UL Listed

Performance Chart

Size	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight/ft. Uncoupled
*1 1/2"	DP15-800	400 psi	800 psi	1200 psi	1 15/16"	.34 lbs.
*1 3/4"	DP17-800	400 psi	800 psi	1200 psi	2 1/8"	.38 lbs.
*1 3/4" FDNY	DP18-800-FDNY	400 psi	800 psi	1200 psi	2 1/4"	.42 lbs.
*2 1/2"	DP25-800	400 psi	800 psi	1200 psi	3"	.54 lbs.
*3"	DP30-800	400 psi	800 psi	1200 psi	3 1/2"	.74 lbs.
*3 1/2"	DP35-600	330 psi	660 psi	990 psi	4 5/16"	.90 lbs.
*4"	DP40-600	300 psi	600 psi	900 psi	4 1/2"	1.0 lbs.