The Right Connection®

Specification Sheet

Single Jacket 500 Pound Test

- Rubber Lined
- 1", 1½", 1¾", 2", 2½", 3"

Scope

Quality: The fire hose assembly supplied under this specification shall be constructed with superior quality materials. NFPA 1961 standards shall be observed in production of the assembly, in order to ensure its quality and durability.

Service Life: Hose furnished under these specifications will have a potential service life **warranty** of not less than **five years**; barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in workmanship and materials. Any defective hose will be replaced at no charge.

Jacket Construction

The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurations that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of staple polyester yarn. The use of filament or entangled yarn is expressly forbidden due to the lack of inherent abrasion resistance. The filler yarns shall be constructed of high strength, low elongation, filament polyester to reduce weight and increase flexibility.

Abrasion Impregnation

Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Colors include: yellow, orange, red, tan, black, blue and green. Color shall be pure and even in each hose. Impregnated hose shall meet the requirements of Mil-H-24606B for abrasion resistance.

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. No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable.

Backing: The backing shall be of adequate thickness to create a smooth waterway but not greater than .020. The fire hose constructed under this specification shall be manufactured fully backed.

Tensile Strength & Ultimate Elongation: Shall meet the standards of Underwriters Laboratories, Inc.TM as well as all other properties of UL-19 for rubber lined hoses. A valid U.S. Underwriters inspection procedure shall be in force at the time of bid.

Hydrostatic Testing

Stock Lengths: Standard lengths are 50, 75 and 100 feet.

Size	1"	1½"	2"	2½"	3"
Part Number	A510	A515	A520	A525	A530
Test Pressure	500psi	500psi	500psi	500psi	400psi
Elongation	4%	5%	6%	7%	8%
Twist per foot	71° right	64° right	64° right	25° right	25° right
Warp	10"	10"	10"	10"	10"
Rise	4"	3"	1"	0	0
Burst Test	800psi	800psi	750psi	750psi	750psi
Kink Test	500psi	400psi	350psi	350psi	300psi

Finished Hose

Markings: Beginning at a point not less than four feet from the end, each fifty foot section shall be stencilled in indelible ink with letters at least one inch high stating the name of the manufacturer, month and year of manufacture, and service test to 250 PSI per NFPA 1962. The ink used will be of a contrasting color.

Methods of Testing: All measurements and tests necessary to determine compliance of the fire hose specified requirements shall be made with ASTM, UL and NFPA 1961 designation, unless otherwise prescribed.

Weights and Measures

Size	1"	1½" *	2" *	2½" *	3" *
Part Number	A510	A515	A520	A525	A530
Bowl Size	1¼"	1 ¾"	2 3/8"	2 13/16"	3 3/8"
Weight per 50' length Uncoupled	9 lbs.	13 lbs.	21 lbs.	24 lbs.	32 lbs.
Weight per 50' length Coupled	11 lbs.	14 lbs.	22 lbs.	25 lbs.	35 lbs.

* Available with a UL label add-on

Couplings

As required by purchaser, expansion ring threaded, STORZ clamp ring, etc. Dixon Fire reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced on special request. For more information, please contact your Dixon Fire authorized distributor.

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