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## ► 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 **one year**; 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 whatsoever.

## ► Jacket Construction

The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurements 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 rubber 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.

## ► Couplings

As required by purchaser, expansion ring threaded, STORZ clamp ring, etc.

# Specification Sheet

- **Single Jacket Mill Hose – 250**
- **Double Jacket Contractors Hose – 400**
- **Rubber Lined**
- **1", 1½", 2", 2½", 3", 4"**

## ► Single Jacket Hydrostatic Testing

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

Size	1"	1½"	2"	2½"	3"	4"
Part Number	SP10-MHH	SP15-MHH	SP20-MHH	SP25-MHH	SP30-MHH	SP40-MHH
Test Pressure	250psi	250psi	250psi	250psi	250psi	250psi
Service Test Pressure	125psi	125psi	125psi	125psi	125psi	125psi
Elongation	4%	5%	6%	7%	8%	8%
Burst Test	500psi	500psi	500psi	500psi	450psi	450psi
Kink Test	250psi	250psi	250psi	250psi	250psi	250psi

## ► Single Jacket Weights and Measures

Size	1"	1½"	2"	2½"	3"	4"
Part Number	SP10-MHH	SP15-MHH	SP20-MHH	SP25-MHH	SP30-MHH	SP40-MHH
Bowl Size	1¼"	1¾"	2¾"	2 <sup>13</sup> / <sub>16</sub> "	3¾"	4¾"
Weight per 50' length Uncoupled	8 lbs.	12 lbs.	18 lbs.	21 lbs.	29 lbs.	32 lbs.
Weight per 50' length Coupled	10 lbs.	13 lbs.	20 lbs.	23 lbs.	31 lbs.	41 lbs.

## ► Double Jacket Contractors Hose Hydrostatic Testing

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

Size	1½"	2"	2½"
Part Number	DP15-MHH	DP20-MHH	DP25-MHH
Test Pressure	400psi	400psi	400psi
Service Test Pressure	200psi	200psi	200psi
Elongation	5%	7%	8%
Burst Test	600psi	600psi	600psi
Kink Test	400psi	400psi	400psi

## ► Double Jacket Contractors Hose Weights and Measures

Size	1½"	2"	2½"
Part Number	DP15-MHH	DP20-MHH	DP25-MHH
Bowl Size	1 <sup>15</sup> / <sub>16</sub> "	2½"	3"
Weight per 50' length Uncoupled	17 lbs.	25 lbs.	28 lbs.
Weight per 50' length Coupled	18 lbs.	27 lbs.	30 lbs.

Key Fire Hose 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 Key Fire Hose Corporation authorized distributor.