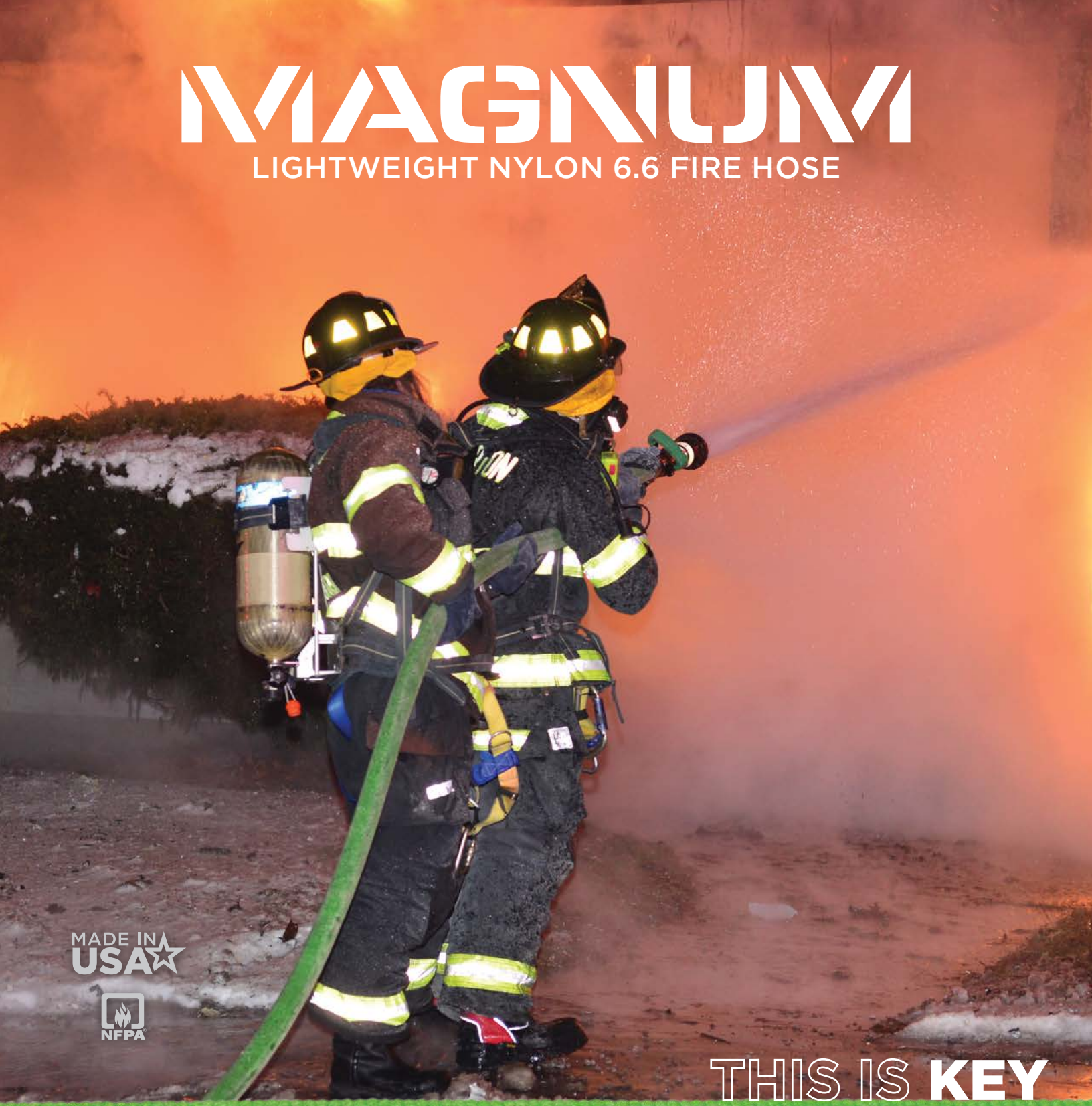
MAGNUM

LIGHTWEIGHT NYLON 6.6 FIRE HOSE



MADE IN USA

NFPA

THIS IS **KEY**

Unique double jacket construction, combining the supple high strength of Nylon 6.6 yarn and polyester filament fibers to form a highly abrasion resistant outer jacket and an inner jacket with increased tensile strength and durability. Our proprietary reverse twill weave construction reduces friction loss while ensuring the hose is lightweight, easy to handle and easy to pack. Thin wall, high tensile, EPDM, dependable, rubber liner provides superior kink resistance and eliminates ozone deterioration while maintaining the lightweight integrity of the hose. The outer jacket is mildew resistant and is also available with iconic "Key-Lok" polyurethane based polymer impregnation for additional abrasion and moisture resistance.

KEY HOSE

DOUBLE JACKET ATTACK/SUPPLY HOSE

NYLON 6.6 FIRE HOSE

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NYLON 6.6 DOUBLE JACKET ATTACK/SUPPLY HOSE

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1½"	DN15-800	400 psi	800 psi	1200 psi	1 15/16"	0.24 lbs/ft
1¾"	DN17-800	400 psi	800 psi	1200 psi	2 1/8"	0.28 lbs/ft
2½"	DN25-800	400 psi	800 psi	1200 psi	3"	0.42 lbs/ft
3"	DN30-800	400 psi	800 psi	1200 psi	3½"	0.54 lbs/ft
4"	DN40-600	300 psi	600 psi	900 psi	4½"	0.81 lbs/ft
5"	DN50-600	300 psi	600 psi	900 psi	5½"	0.90 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. Magnum hose furnished under these specifications with an EPDM liner will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination. 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 from entangled filament Nylon 6.6 yarn in both the inner and outer jackets and be highly abrasion resistant. The filler yarns of both the inner and outer jackets shall be high tenacity filament polyester for increased tensile strength and durability. 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 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 heavy-duty fire fighting usage.

Abrasion
Hose assemblies shall come standard with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance.

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. The tube thickness shall be a minimum of .020". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1½" strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube shall be 1800 psi. A valid UL/ULC Underwriters Inspection procedure shall be in force.

Couplings
Magnum can be coupled with 6061-T6 aluminum threaded couplings or forged Storz. Special threads or other custom features available upon request. Barcode recess available at additional charge.

Performance
The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Magnum diameters up to 3" shall be 1200 psi / 82 bar. Minimum burst test requirements for 4" and 5" 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. Lengths available up to 100'.

Standards
Fire hose manufactured to this specification shall meet or exceed all performance requirements of NFPA 1961 and MIL-H-24606 latest edition standards.

Colors
Clear Coat, Red, Yellow
Blue, Green, Orange
Black, Tan

NFPA colors available

KEY HOSE

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. 07/23

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