



OVER **114 YEARS** OF QUALITY & SERVICE IN THE HOSE INDUSTRY

MANUFACTURER OF MUNICIPAL, FORESTRY AND INDUSTRIAL HOSE

# UIF 600™



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NIEDNER IS ISO9001:2000 CERTIFIED

SUPERIOR TECHNOLOGY FOR **FLUID TRANSFER**

**FORESTRY FIRE HOSE**

**UIF 600™**

A very durable single jacket forestry hose, with a service test pressure of 300 PSI (2100 kPa) and constructed of 100% spun polyester lined with TPU elastomer. Beige ENCAP™ treatment improves abrasion resistance and reduces water absorption. The high quality construction of UIF 600™ makes it an excellent choice for many single jacket applications

- Construction:** Circular bias woven, single jacket 100% spun polyester.
- Tube:** Extruded T.P.U. elastomer - Ozone and age resistant.
- Standard Lengths:** 50' and 100' (15,2 and 30,5 m)

**How to specify UIF 600™**

- The hose shall be a single jacket construction with 100% spun polyester yarn.
- There shall be a minimum of 12.0 filler yarns per inch in the jacket.
- The thickness of the lining shall be 0.015" (381 µm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with beige ENCAP™ elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 140°F (-51°C to 60°C).
- FM abrasion test of 5,000 cycles minimum and Taber abrasion test of 1,000 cycles minimum.
- At 600 PSIG (4200 kPa), its elongation shall not exceed 8% of the initial hose length, it shall not warp more than 20 inches (51 cm) and should not rise from the test table.
- The hose shall not twist more than 12 turns for the 1" (25 mm) size, and not more than 8 turns for the 1 1/2" (38 mm) hose per 100 ft (30,5 m) while at 600 PSIG (4200 kPa)
- Minimum service test pressure of 300 PSIG (2100 kPa).
- Minimum proof test pressure of 600 PSIG (4200 kPa).
- Minimum straight burst test pressure of 900 PSIG (6300 kPa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 900 PSIG (6300 kPa).

**UIF 600™ PHYSICAL PROPERTIES**

Hose size	Spec number	Bowl size	Weight 100' (30,5 m) Uncpld.	Service test press.	Proof press.	Burst press.
1" / 25 mm	<b>50090E11</b>	1 3/16" / 30,2 mm	8.0 lbs / 3,9 kg	300 PSI / 2100 kPa	600 PSI / 4200 kPa	900 PSI / 6300 kPa
1 1/2" / 38 mm	<b>50095E11</b>	1 11/16" / 42,9 mm	13.25 lbs / 6,0 kg	300 PSI / 2100 kPa	600 PSI / 4200 kPa	900 PSI / 6300 kPa

For more information please call your authorized dealer.

**NIEDNER**

ISO9001:2000

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