



## **“BIG WATER” ATTACK LITE POLY 7¼, 8 & 10 INCH LDH**

The 7 ¼”, 8” and 10” LDH to be supplied under these specifications is specifically designed to supply extra large volumes of water at high pressure with minimal friction loss to oil refinery and large storage tank fires. Tough and ready for action, but light in weight and strong, compact and practical, and will fit on most hose storage devices.

The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets. There shall also be a minimum of 10.0 filler yarns per inch in both the inner and outer jackets. The Warp shall be 15D polyester for outer jacket and the Weft shall be 11D polyester for the inner jacket. The thickness of the liner shall be 0.22” minimum and shall be constructed of TPU elastomer. Our liner process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow.

The outer hose jacket shall be mechanically impregnated with specially developed Wear Guard treatment, which greatly increases abrasion resistance, heat and flame resistance, practically eliminates water absorption and adds superb resistance to petro chemicals that are commonly found around oil refineries and tank farms. Wear Guard also adds extreme resistance to bacterial and mildew growth. The Wear Guard color shall be high visibility Safety Yellow.

The hose temperature range shall be -60°F to 150°F.

Taber abrasion test minimum of 100,000 cycles and FM abrasion test minimum of 65,000 cycles.

Elongation shall not exceed 14% at 300 PSI, the warp shall be no more than 6” and shall not rise from test table and shall not twist more than ½ turn per 100’ at 300 PSI.

Factory hydrostatic test shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961. Each length of hose is to be subjected to a hydrostatic proof test pressure of 600 PSI for the 7 ¼”, and 400 PSI for the 8” and 10”, for at least 15 seconds and no longer than 1 minute.

The Storz couplings shall be manufactured of 6061-T6 extruded aircraft aluminum with stainless steel bolts and locks and shall be hardcoat anodized. Cast or forged aluminum is not considered to meet this specification and is not acceptable. Couplings shall be manufactured in the USA.

The manufacturer of the hose shall be ISO-9001:2015 Quality Certified

Hose Size	Service Test PSI	Proof Test PSI	Burst Kink Test PSI	Weight 100ft Uncoupled	Coil Diameter Inches
7 1/4"	300	600	900	163 lbs	27
8"	300	600	900	200 lbs	31
10"	300	600	900	450 lbs	36

