



"The Hose Company"

HI Pressure LDH - Product Specification

HI PRESSURE - LDH

large diameter rubber
covered attack hose

- Nitrile/PVC through-the-weave rubber covered construction
- UL Listed
- NFPA compliant 300 psi attack hose
- Heat resistant
- Chemical resistant
- Maintenance free
- Thin rib construction to aid abrasion resistance
- High visibility green
- Diameters: 4" and 5"



www.keyhose.com

Hose Construction: Hose shall be made from 100 percent high tenacity synthetic polyester yarn, circularly woven and completely protected by a through-the-weave extruded PVC/Nitrile rubber, forming a single homogeneous construction without the use of glues or adhesives of any type. Hi-Pressure LDH features a thin rib construction for aid abrasion resistance. Hi-Pressure LDH exceeds all requirements of NFPA 1961. Hi-Pressure LDH shall carry a 10 year written warranty against defects in materials and workmanship. Lengths available up to 100 feet.

Lining Properties:

Ultimate Tensile Strength - Tensile strength of the lining and cover shall not be less than 1200 PSI.

Ultimate Elongation - 400% minimum.

Accelerated Aging Test - The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 PSI (± 10 PSI) and a temperature of 158° ($\pm 18^\circ$ F) for a period of 96 hours shall retain 60 percent of its originally stated properties.

Abrasion Resistance: Hose shall withstand 10,000 cycles on the Taber Abrasion Machine (H-22Wheel: 1/2 kg). Key Hose on request will supply written warranties that Hi-Pressure LDH hose meets a minimum 10,000 cycles. Other abrasion test results (UL, DIN, etc.) can be supplied on request of purchaser.

Cold Resistance: Hose shall have a capability of use down to -35°F. Hose shall have no apparent damage to cover, reinforcement or lining when subjected to the following cold bending test: a 50 ft. length of dry hose is to be firmly coiled and placed in a cold box at -35°F for a duration of 24 hours. Immediately after removal of the hose from the box, hose should be uncoiled and laid out by one operator. Following this procedure, the hose shall not leak nor show any damage to the reinforcement when subjected to the hydrostatic acceptance test stated above.

Ozone Resistance: Hose shall show no visible signs of cracking to the lining or cover when tested in accordance to ASTM D518 Procedure B (100pphm/118°F/70 hours).

Chemical Resistance: Exposure to sea water and contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long term performance of the hose. A chemical resistance chart is available and Key Hose will supply specific chemical resistance data on request of purchaser for unique applications.

Heat Resistance: The hose, when subjected to a static pressure of 100 PSI, shall be capable of withstanding a surface temperature of 1200°F for a minimum of one minute without rupture or damage to the synthetic reinforcement.

Color: The color shall be of HI-VISIBILITY green.

Couplings: As required by purchaser, expansion ring threaded, STORZ clamp ring, etc. Plastic components within the storz assembly shall not be accepted.

Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised special diameters or construction characteristics may be produced by special request. For more information please contact a Key Hose authorized distributor.

*UL Listed up to 200 psi

Performance Chart

Size	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight/ft. Uncoupled
*4"	RC40-600	300 psi	600 psi	900 psi	4 1/4"	.93 lbs.
*5"	RC50-600	300 psi	600 psi	900 psi	5 1/4"	1.25 lbs.