LDH HOSE SPEC SHEET

LINE ITEM: RC (RUBBER COVERED HOSE)

COUPLINGS (NO EXCEPTIONS)

Couplings shall be 5" or 4" forged silver powder coated storz heads with aluminum shanks and 3 part black powder coated re-attachable bindings. Warranty shall be five years

HOSE CONSTRUCTION (NO EXCEPTIONS)

Hose shall be made from 100 percent high tenacity synthetic yarn circularly woven and completely protected and locked-in by tough highly resistant synthetic nitrile rubber, forming a single homogeneous construction without the use of glues or adhesives of any type. Meeting all requirements of NFPA 1961.

Warranty: Hose shall carry a **five year** written warranty.

COLOR

Hose color shall be HI-VISIBILITY yellow

LINING PROPERTIES

Ultimate tensile Strength:

Tensile strength of the lining and cover shall not be less than 1750 PSI

Ultimate Elongation:

500 percent 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 158º (±18ºF) for a period of 96 hours shall retain 60 percent of its originally stated properties.

HYDROSTATIC PRESSURE TESTS

Diameter	Service Test Pressure	Acceptance Test Pressure	Burst Pressure
5"	200psi	400psi	600psi

ABRASION RESISTANCE

Hose shall withstand 30000 cycles on the Taber Abrasion Machine (H-22 Wheel: 1 kg).

COLD RESISTANCE

Hose shall have a capability of use down to –35ºF. 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 –35ºF for 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/118ºF/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.

HEAT RESISTANCE

The hose, when subjected to a static pressure of 100 PSI, shall be capable of withstanding a surface temperature of 1200ºF for a minimum of two minutes without rupture or damage to the synthetic reinforcement

HOSE WEIGHT AND COIL DIAMETERS

The hose shall conform to the following average weights and diameters

Diameter	Weight per Foot Uncoupled	Coil Size Uncoupled 100' Lengths
5"	1.04 lbs	27"