

BIG FLOW NITRILE RUBBER COVERED HOSE



8", 10" and 12" Fire Hose – available in 25', 50', 100', 200', 300', 400' and 500' sections

Inner Diameter	Wall Thickness	Weight (Uncoupled)	Working Pressure	Bursting Pressure	Tensile Strength	Elongation at WP	Expansion at WP
(Inch)	(Inch)	(Pounds/Ft)	(PSI)	(PSI)	(Ton)	Max	Max
8"	0.197	2.75	400	1200	40.4	<5%	<5%
10"	0.177	3.35	300	900	45.4	<5%	<5%
12"	0.177	3.82	200	600	61	<5%	<5%

HOSE CONSTRUCTION

The tube and cover shall be constructed from a Nitrile / PVC blend in a ribbed construction for maximum abrasion resistance. The hose shall be made from 100% virgin high tenacity synthetic yarn circular woven and completed protected and locked-in by tough highly resistant synthetic nitrile rubber, forming a single homogenous through-the-weave construction without the use of glues or adhesives of any type eliminating delamination issues.

LINING PROPERTIES

Ultimate Tensile Strength: Tensile strength of the lining and cover shall not be less than 1500 PSI (10,500 kpa)

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 (+/- 10PSI) and temperature of 158° (+/-18° F) for a period of 96 hours, shall be 60% of the original properties stated.

ABRASION RESISTANCE

The hose shall withstand 10,000 cycles on the Taber Abrasion Machine (H-22 Wheel: ½ kg). The manufacturer shall, upon request, supply written warranties the hose meets a minimum 10,000 cycles.

COLD RESISTANCE

The hose shall be capable of use at temperatures to -22 °F (-30 °C). The hose shall have no apparent damage to the 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 -22 °F for a duration of 24 hours. Immediately after the 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

The hose shall exhibit no visible signs of cracking to the lining or cover when tested in accordance to ASTM D518 Procedure B (100 pphm/118° F/70 hours).

CHEMICAL RESISTANCE

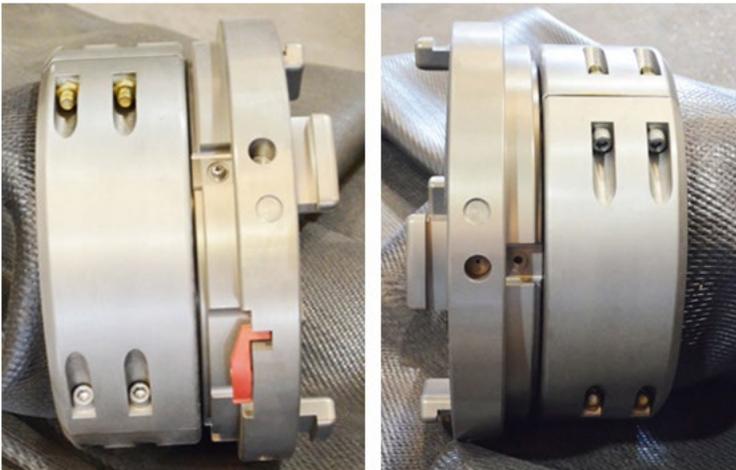
Exposure to sea water and contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long term performances of the hose.

HEAT RESISTANCE

When subjected to a static pressure of 100 PSI, the hose 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.

COUPLINGS

The hose shall be provided with three (3) or four (4) lug Storz couplings with field repairable, three part, heavy duty double width collars with a minimum of six (6) Allen head bolts for secure attachment to the extended coupling shank.



Heavy Duty Anodized Aluminum, 4 lug, 12" Coupling