



Industry
Fire Fighting



Mandals Guardman has been developed, manufactured and continuously updated since 1960's.

It's a World Class Lay-Flat hose made of a special rubber blend extruded through the circular woven polyester jacket, ensuring an exceptional good bonding and no delamination.

Our red fire hose has been chosen by the most demanding customers for decades.

Key Features

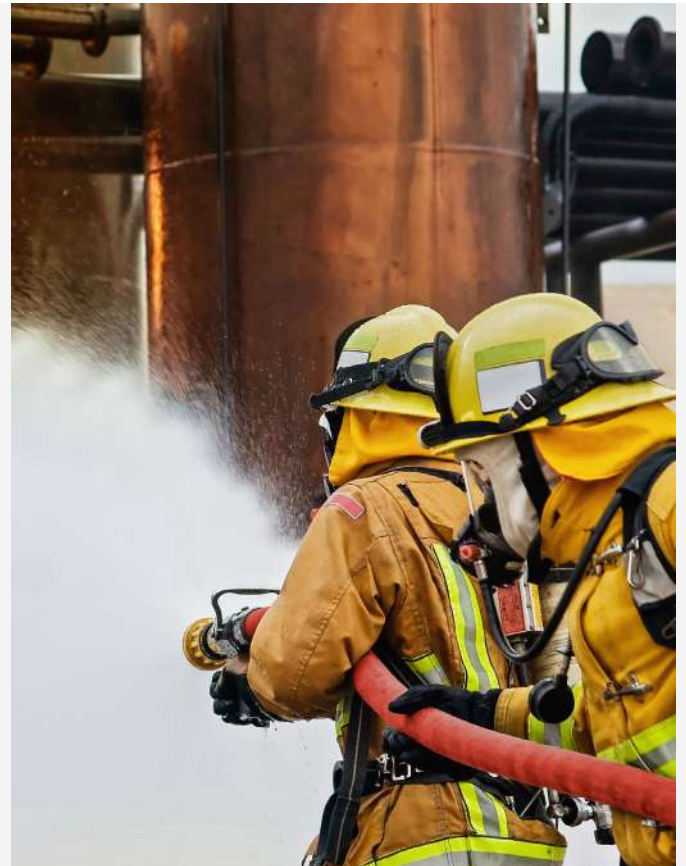
- Developed and manufactured since 1960's.
- Can withstand great physical strain and temperature fluctuation.
- Light weight design.
- Operating temperature from -30°C to +75°C (-22°F to +167°F). Intermittent use up to +80°C (+176°F).
- Fully extruded hose where the rubber blend has been extruded through the circular woven polyester jacket, ensuring exceptionally good bonding and no delimitation.

Design

- The hose is designed to absorb the pressure increase by swelling rather than stretching. This means increased diameter under pressure and reduced friction loss.
- The rubber blend has added UV barrier to prevent damage to the rubber from UV radiation. It can stand most of the commonly used chemicals and low aromatic oil products.

Advantages

- Specifically designed for marine use providing the user a long life product suitable for extreme climatic and fire fighting conditions.



Guardman (Technical data)

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Internal Diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength	
Inch	mm	Inch	mm	Lbs / ft	Kg / m	Psi	Bar	X1000 lbs	Tons
1 1/2	38.0 + 1.6	0.09	2.2	0.23	0.34	940	65	6.9	3.1
1 2/3	42.0 + 1.6	0.09	2.2	0.23	0.32	940	65	6.9	3.1
1 3/4	45.0 + 1.6	0.09	2.2	0.23	0.35	725	50	7.6	3.4
2	51.0 + 2.0	0.09	2.2	0.29	0.44	700	48	8.7	3.9
2 1/2	65.0 + 2.0	0.09	2.2	0.38	0.57	700	48	11.1	5.0
3	76.0 + 2.0	0.09	2.4	0.49	0.73	680	47	15.6	7.0
3 1/2	90.0 + 2.0	0.11	2.7	0.67	1.00	640	44	21.3	9.6
4	102.0 + 2.5	0.11	2.8	0.77	1.15	610	42	20.4	9.2
6	150.0 + 3.0	0.13	3.3	1.27	1.90	610	42	35.8	16.1

NOTE: Safety factor (BP/WP) is 3:1, meaning actual Working pressure should not exceed 1/3 of the listed Burst pressure

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