



## STAUFF FLEX MARINE HOSE - SAE 100R8

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### Construction

#### Inner :

Polyester thermoplastic with medium toughness and hardness with excellent mechanical properties. It maintains a high degree of flexibility even at low temperature. It shows high resistance to tearing, abrasion and creep and has excellent resistance to mineral and synthetic oils, hydraulic fluids, fuels and organic solvents

#### Reinforcement :

Kevlar an extremely tough yarn with excellent mechanical, thermal and chemical resistance. Expressly created to reinforce thermoplastic flexible tubes, it allows the product to reach very high performance with minimum volumetric expansion.

#### Cover :

White thermoplastic polyurethane with high mechanical strength and abrasion resistance. It provides very good hydrolysis and microbial resistance. It keeps good low temperature flexibility

Normal Temperature Range: -40°C + 90°C

**Ferrules:** BPT - 04 | - 06 | - 08

Nominal Size	Part No.	Diameter		Pressures Bar		Weight
		Internal	External	Working	Burst	
1/4"	SFM 04	6.5mm	12mm	345	1380	11kg/100m
3/8"	SFM 06	9.5mm	16mm	275	1100	17kg/100m
1/2"	SFM 08	12.7mm	19mm	240	970	22kg/100m

### COMPATIBILITY CHART

Fluid	Temperature °C	Fluid	Temperature °C
Acetic acid, 30%	25	Ammonium chloride, 10%	25
Acetylene	25	Oil Panolin 9632	100
Water	70	Oil Kluber Summit HY SYN FG 22	100
Sea water	25	Oil Panolin HLP SYNTH	100
Ammonium chloride, 10%	25	Oil Fiat Tutela LHM	100
Amyl acetate	25	Sulphuric acid, 10%	25
Amyl alcohol	25	Freon 113	50
ASTM oil n. 1	100	Freon 114	50
ASTM oil n. 3	100	Glycerin	25
ASTM fuel A	25	Potassium hydroxide, (10%)	25
ASTM fuel B	25	linseed oil	100
ASTM fuel C	25	Carbonic acid, 10%	25
Atrazine	25	Hydrogen	25
Beer	25	Hydrogen sulphide, 5%	25
Borax solutions	25	Isooctane	25
Boric acid, 10%	25	Isopropyl alcohol	25
Butane	25	Mercury	25
Calcium chloride, 5%	25	Methyl alcohol	25
Calcium hypochlorite, 5%	25	Mineral oil	100
Carbon dioxide	25	Oleic acid	25
Carbon monoxide	25	Palmitic acid	25
Hydrochloric acid, 10%	25	Silicone oils	100
Citric acid	25	Soap solution	25
Cyclohexane	25	Sodium hydroxide, 10%	25
Copper chloride, 10%	25	Sodium hydroxide, 20%	25
Copper sulfate	25	Sodium hypochlorite, 5%	25
Cottonseed oil	100	Sulfuric acid, 20 - 50%	25
Dibutyl phthalate	25	Tannic acid, 10%	25
Diocetyl phthalate	25	Zinc chloride, 10%	25
Ethyl alcohol	25	Petrol	25
Ethylene glycol	125	Acetaldehyde	25
Freon 11	50	Hexane	25
Freon 12	50	Trisodium phosphate	25
Freon R134a	50	Shell Brake Fluid DOT4	100
Freon R22	50		
Freon R 407C	50		

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