

### Description

Composite hose made from heavy duty polypropylene fabrics and films with a double layer of abrasion resistant PVC coated fabric cover, reinforced with internal and external wire helixes. The standard manufacture is with SS 316L inner and outer wires.

### Principal Applications

Chemarine is suitable for heavy duty suction and discharge of bulk chemicals in dockside and ship to shore applications.



### Construction

**Inner wire** : SS 316L  
**Lining** : Polypropylene Fabric  
**Outer cover** : PVC Coated Terylene Weave Fabric  
**Colour Code** : Royal Blue outer cover with white stripe  
**Outer Wire** : Galvanised zinc coated mild steel

### Physical Properties

**Max. Elongation** : 10% on proof pressure  
**Maximum Twist** : 10° /mtr  
**Vacuum range** : 0.9 bar  
**Electrical resistance** : 2.5 Ohms/mtr < 2" Hose  
 1.0 Ohms/mtr > 2" Hose

### Standards

Manufactured to the specifications where applicable to EN 13765 Type 3

### Temperature

Depending on the conveyant -30°C to +80°C

### Special application

Chemarine -S - (Inner) SS 316L - (Outer) SS 316L  
 Chemarine-P - (Inner) Polypropylene coated steel - (Outer) Galvanised zinc coated mild steel  
 Chemarine-F - (Inner) SS 316L - (Outer) Galvanised zinc coated mild steel Inner lining : PTFE

### Specifications

Bore diameter		Bend radius		Max work. pressure		Weight / meter		Maximum length	
mm	inch	mm	inch	psi	bar	Lbs/Ft	kg/m	meter	feet
25	1	125	4.9	200	14	0.73	1.10	30	100
38	1.5	150	5.9	200	14	1.14	1.70	30	100
50	2	190	7.5	200	14	1.41	2.10	30	100
65	2.5	200	7.9	200	14	1.91	2.85	30	100
75	3	300	11.8	200	14	2.55	3.80	30	100
100	4	430	16.9	200	14	3.76	5.60	30	100
150	6	550	21.6	200	14	8.66	12.90	30	100
200	8	750	29.5	200	14	11.42	17.00	20	65
250	10	1000	39.3	150	10	12.90	19.20	20	65

**Minimum Burst Pressure: 5 times Working Pressure (safety factor 5:1)**

**NOTE:** This information is for guidance only, dimensions and weights shown are approximate.  
 We reserve the right to alter or amend specifications as deemed necessary.

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