

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 helices. The standard manufacture is with SS 316L inner wires - see below for other options. The hose can be covered with rope lagging for external protection if required.

Principal Applications

Chemdock is suitable for heavy duty suction and discharge of bulk chemicals in road and rail tanker, dockside and ship to shore applications. The addition of the PTFE liner in Chemdock-F makes it suitable for the most aggressive chemicals and searching solvents.



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

Chemdock-S	- (Inner) SS 316L	- (Outer) SS 316L	
Chemdock-P	- (Inner) Polypropylene coated steel	- (Outer) Galvanised zinc coated mild steel	
Chemdock-PS	- (Inner) Polypropylene coated steel	- (Outer) SS 316L	
Chemdock-F	- (Inner) SS 316L	- (Outer) Galvanised zinc coated mild steel	Inner liner: PTFE
Chemdock-FS	- (Inner) SS 316L	- (Outer) SS 316L	Inner liner: 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	0.87	1.30	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	1.95	2.90	30	100
75	3	300	11.8	200	14	2.35	3.50	30	100
100	4	430	16.9	200	14	3.70	5.50	30	100
150	6	550	21.6	200	14	8.06	12.00	30	100
200	8	750	29.5	200	14	10.75	16.00	20	65
250	10	1000	39.3	200	14	13.00	19.30	20	65

Minimum Burst Pressure: 4 times Working Pressure (safety factor 4:1)

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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