



Chemiflex® Composite Hose Type 444

Applications

This type is recommended for heavy duty marine transfer service where the chemical resistance of PTFE lining is required. It is designed to handle liquid chemicals and acids not compatible with standard heavy duty polypropylene hoses and is suitable for dock, barge and ship transfer applications. A stainless steel outer wire is available for applications which include a corrosive environment.

Technical description

Lining	: PTFE
Inner Wire	: Stainless Steel 316
Outer Wire	: SGF444 Galvanized Steel SSF444 Stainless Steel 304 or 316
Cover	: PVC coated Nylon, Abrasion, UV and Ozone resistant, Red
Temperature range	: -30°C to + 100°C (-22°F to + 212°F)
Electrical properties	: Electrically conductive
Standard*	: EN13765:2010, Type 3
Complies with	: IMO IBC Code
Approval	: ClassNK Certificate NO. TA11773E(AL)

Physical properties

Maximum elongation	: 10% on test pressure
Vacuum range	: 0,9 bar

End Fittings

Specially designed end fittings have been developed for use with United Flexible Composite hoses, including threaded ends, flanged ends and other connections. By means of a hydraulic operated press, a ferrule is externally swaged onto the hose to secure the hose shank and guarantee a leak proof connection between hose and fitting. All ferrules are welded to the end fitting before swaging for even safer operating conditions.

TECHNICAL DATA: TYPE SGF444/ SSF444

Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	Ib/ft	kg/m	Feet	Meters
3	80	200	14	11	280	2.50	3.70	65	20
4	100	200	14	16	400	4.40	6.50	65	20
5	125	200	14	18	460	5.80	8.60	65	20
6	150	200	14	20	500	7.00	10.50	79	24
8	200	200	14	29	740	12.00	18.00	65	20
10	250	150	10	36	920	15.00	23.00	50	15

* 10''=Type 2

Pressure based on safety factor 5:1