



Chemiflex® Composite Hose Type 434

Applications

This type is recommended for multi chemical transfer service in heavy duty marine operations where the strength of a stainless steel 316 inner wire is desired. It is, for example, suitable for use as a dock, barge, and ship transfer hose, in chemical plants, refineries and paint producers and is also available with a stainless steel outer wire for applications which include a corrosive environment.

Technical description

Lining	: Polypropylene
Inner Wire	: Stainless Steel 316
Outer Wire	: SGP434 Galvanized Steel SSP434 Stainless Steel 304 or 316
Cover	: PVC coated Nylon, Abrasion, UV and Ozone resistant, Green
Temperature range	: -30°C to + 80°C (-22°F to + 176°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 SGP434/ SSP434									
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