

## Chemiflex® Composite Hose Type 415

### 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	: SGP415 Galvanized Steel SSP415 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	: EN13765:2018, Type 3
Complies with	: IMO IBC code
Approval	: ClassNK Certificate N0. TA21511E(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 Amniflex 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 SGP415/SSP415**

Inside Diameter		Working Pressure		Min. Bend Radius		Approx. Weight		Max. length	
inches	mm	psi	Bar	inches	mm	lbs/ft	kg/m	ft.	m
1	25	200	14	4	100	0,80	1,10	65	20
1 ½	40	200	14	5 ¼	130	0,95	1,40	65	20
2	50	200	14	6 ½	165	1,35	2,00	65	20
2 ½	65	200	14	7 ½	185	1,80	2,70	65	20
3	80	200	14	9 ½	240	2,15	3,20	65	20
4	100	200	14	14 ½	360	3,25	4,80	65	20

Safety factor acc. EN 13765:2018

*All information in this document is without any obligation, specifications subject to change without any notice.*

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