



## Vapor Recovery Composite Hose Type 446

### Applications

This type is recommended for use with vapor recovery systems in tanktruck, bottom loading and ship to shore applications. This type is recommended for aggressive chemical vapors and version for sewer bypass back up system.

### Technical description

Lining	: PTFE
Inner Wire	: Stainless Steel 316
Outer Wire	: SGF446 Galvanized Steel SSF446 Stainless Steel 304 or 316
Cover	: PVC coated Nylon, abrasion and ozone resistant, Yellow
Temperature range	: -30°C to + 100°C
Electrical properties	: Electrically conductive
According Standard	: EN13765:2010, Type 1
Complies with	: IMO IBC code

### 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 SGF446/ SSF446

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	<b>100</b>	<b>7</b>	7	175	1.75	2.60	65	20
4	100	<b>100</b>	<b>7</b>	11	275	2.55	3.80	65	20
6	150	<b>100</b>	<b>7</b>	16	410	3.60	5.30	79	24
8	200	<b>100</b>	<b>7</b>	22	560	8.05	11.90	65	20
10	250	<b>100</b>	<b>7</b>	30	760	10.35	15.30	50	15

Pressure based on safety factor 5:1