



## Heavy Duty Special Chemiflex® Fluoropolymer Chemical Hose

### Type: SGF969 and SSF969

**Applications:** This hose is specifically designed as a bulk liquid transfer hose from barges, ships and ocean going vessels for all aggressive chemicals where a fluoropolymer liner is standard.

**Construction:**

Color/Cover:	SGF969 Red with a blue stripe/2x PVC coated Nylon, Abrasion, UV and Ozone resistant
	SSF969 Red with a double blue stripe/2xPVC coated Nylon, Abrasion and Ozone resistant
Inner Wire:	Galvanized Steel T316 Stainless Steel
Inner lining:	PTFE, PFA, FEP, ECTFE
Carcass:	Polypropylene fabrics, films and Polypropylene/Nylon
Outer Wire:	304 Stainless Steel (T316 Stainless Steel available)
Logo:	Special Chemiflex®

**Physical properties:**

Temperature Range:	-22°F to +212°F (-30°C to +100°C)
Maximum elongation:	≤10% on test pressure
Vacuum range:	26 inHg (660 mmHg), 0.9 bar
Electrical properties:	Electrically Conductive ≤1.0 ohm/m

**Standards:** EN13765 Type 3, BS5842, USCG 33CFR 154.500

**Approvals:** Bureau Veritas and Nippon Kaiji Kyokai Type Approval to IBC & BCH codes of IMO Resolutions for carrying dangerous chemicals in bulk at sea.

**End Fittings:** Specially designed end fittings have been developed for use with United Flexible composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 22 for more information about end connections.

#### TECHNICAL DATA: SGF969 AND SSF969

Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
4	100	<b>200</b>	<b>14</b>	16	400	5.3	7.9	100	30
6	150	<b>200</b>	<b>14</b>	20	500	7.4	11	100	30
8	200	<b>200</b>	<b>14</b>	29	740	12	18	100	30
10	250	<b>150</b>	<b>10</b>	36	920	14	20.9	40	12

Pressure based on safety factor 4:1

Dimensions and weight are approximate and are subject to change

For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering

Increased operating temperatures will reduce working pressure of the assemblies

Fitting pressure rating may limit or reduce the rated working pressure of the assembly

Rated working pressure is @ 70°F (21°C)