



## TITANFLEX® UHMWPE Chemical Hose FDA, USDA, 3-A Series SWC693

Series SWC693 is an extremely flexible, high pressure, high temperature suction and discharge hose designed to handle approximately 98% of commonly used acids, chemicals and solvents as well as food, pharmaceutical and sanitary materials. The hose is manufactured using polished stainless steel mandrels for an ultra-smooth tube that will not impart taste or odor. The ultra high molecular weight polyethylene (UHMWPE) tube meets FDA, USDA and 3-A requirements and will not leach into and contaminate the product being conveyed. The lightweight corrugated hose construction incorporates a dual wire helix that provides full suction capability, superior kink resistance, minimal force-to bend and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals and ozone.

**NOTE:** Refer to the [Safety and Technical](#) section of this catalog for safety, handling and use information. Refer to the [Chemical Guide](#) section of this catalog to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

<b>Tube:</b>	Translucent ultra high molecular weight polyethylene (UHMWPE)
<b>Reinforcement:</b>	Multiple textile plies with dual wire helix
<b>Cover:</b>	Green EPDM; corrugated wrapped finish
<b>Temp. Range:</b>	-40°F to +250°F (-40°C to +121°C)
<b>Brand Method:</b>	Black text on yellow stripe
<b>Brand Example:</b>	PARKER SERIES SWC693 TITANFLEX® UHMWPE CHEMICAL SUCTION HOSE XXX PSI MADE IN USA
<b>Design Factor:</b>	4:1
<b>Industry Standards:</b>	FDA, USDA, 3-A
<b>Applications:</b>	<ul style="list-style-type: none"> <li>• Non-fatty and non-oily foods and liquids, potable water, sanitary products</li> <li>• Acids, chemicals, solvents</li> <li>• In-plant and tank transfer, delivery, transport</li> </ul>
<b>Vacuum:</b>	Full
<b>Packaging:</b>	Coils

(Continued on the following page)

### ⚠️ WARNINGS!

- It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- At operating temperatures of 125°F and above, only permanently attached couplings should be installed. At any operating temperature, couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the [NAHAD Industrial Hose Assembly Guidelines](#).
- Do not use with internally expanded couplings. Refer to chemical hoses that incorporate a MXLPE tube.

## Series SWC693 Hose – Titanflex® UHMWPE Chemical Hose (Continued)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
SWC693-1000	1	25.4	2	1.375	34.9	0.38	0.17	1.0	25.4	250	17.2	HAPS	100	Y
SWC693-1250	1-1/4	31.8	2	1.625	41.3	0.48	0.22	1.3	33.0	250	17.2	*	100	N
SWC693-1500	1-1/2	38.1	2	1.875	47.8	0.62	0.28	1.5	38.1	250	17.2	HAPS	100	N
SWC693-2000	2	50.8	2	2.438	61.9	0.93	0.42	2.0	50.8	250	17.2	HAPS	100	Y
SWC693-3000	3	76.2	2	3.438	87.3	1.45	0.66	4.5	114.3	200	13.8	*	100	Y
SWC693-4000	4	101.6	2	4.500	114.3	2.17	0.98	8.0	203.2	200	13.8	*	100	Y

\* **Couplings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.

\*\* **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.