



# FEP Chemical Hose

## FDA, USDA, 3-A

### Series SW373

Series SW373 is a premium quality high pressure, high temperature suction and discharge hose designed to handle approximately 99.5% of commonly used acids, chemicals and solvents, as well as food and sanitary materials. The fluorinated ethylene propylene (FEP) tube meets FDA, USDA and 3-A requirements, will not leach into and contaminate the product being conveyed, and features a temperature rating to 300°F (149°C). The hose construction incorporates a dual wire helix that provides full suction capability, kink resistance 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>	White fluorinated ethylene propylene (FEP)
<b>Reinforcement:</b>	Multiple textile plies with dual wire helix
<b>Cover:</b>	Yellow EPDM; wrapped finish
<b>Temp. Range:</b>	-40° to +300°F (-40°C to +149°C)
<b>Brand Method:</b>	Yellow text on red stripe
<b>Brand Example:</b>	PARKER SERIES SW373 FEP HOSE MEETS FDA, 3-A & USDA REQUIREMENTS XXX PSI WP 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

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 **
SW373-500	1/2	12.7	2	0.969	24.6	0.37	0.17	7.0	177.8	500	34.5	*	100	N
SW373-750	3/4	19.1	2	1.250	31.8	0.55	0.25	8.0	203.2	500	34.5	*	100	N
SW373-1000	1	25.4	2	1.531	38.9	0.69	0.31	9.0	228.6	400	27.6	*	100	N
SW373-1250	1-1/4	31.8	2	1.750	44.5	0.75	0.34	11.0	279.4	375	25.9	*	100	N
SW373-1500	1-1/2	38.1	2	2.125	54.0	1.11	0.50	12.0	304.8	350	24.1	*	100	N
SW373-2000	2	50.8	2	2.688	68.3	1.57	0.71	16.0	406.4	300	20.7	*	100	N
SW373-3000	3	76.2	4	3.875	98.4	2.86	1.30	30.0	762.0	200	13.8	*	100	N
SW373-4000	4	101.6	4	5.000	127.0	4.28	1.94	42.0	1066.8	150	10.3	*	100	N

\* **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.

### ⚠️ 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](#).

