



# EXACT-CHEM™

## Modified XLPE Chemical and Food Suction Hose

### FDA, USDA, 3-A

### Series SW383

Series SW383 is a high pressure, high temperature suction and discharge hose designed to handle many commonly used acids, chemicals and solvents. The hose construction incorporates a modified cross-linked polyethylene (MXLPE) tube that features a temperature rating to 180°F (82°C), meets FDA, USDA and 3-A requirements, and will not leach into and contaminate the product being conveyed. The dual wire helix provides full suction capability, kink resistance and a path to conduct a static electrical charge to ground, and is suitable for use with internally expanded couplings. 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.

<b>Tube:</b>	Tan modified cross-linked polyethylene (MXLPE)
<b>Reinforcement:</b>	Multiple textile plies with dual wire helix
<b>Cover:</b>	Blue EPDM; wrapped finish
<b>Temp. Range:</b>	-40°F to +180°F (-40°C to +82°C)
<b>Brand Method:</b>	Blue text on yellow stripe
<b>Brand Example:</b>	PARKER SERIES SW383 EXACT-CHEM™ MOD X-LINK HOSE 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>• Acid, chemicals, solvents</li> <li>• Non-fatty and non-oily foods and liquids, potable water, sanitary products</li> <li>• In-plant and tank transfer, delivery, transport</li> </ul>
<b>Vacuum:</b>	Full
<b>Compare to:</b>	Boston Panther Chemical Transfer; Gates Mustang 45HW; Veyance Blue Flexwing
<b>Packaging:</b>	Coils

#### ⚠️ 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](#).

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)
SW383-1000	1	25.4	2	1.500	38.1	0.56	0.25	6.0	152.4	200	13.8	*	100
SW383-1250	1-1/4	31.8	2	1.750	44.5	0.68	0.31	8.0	203.2	200	13.8	*	100
SW383-1500	1-1/2	38.1	2	2.000	50.8	0.77	0.35	9.0	228.6	200	13.8	*	100
SW383-2000	2	50.8	2	2.531	64.3	1.08	0.49	12.0	304.8	200	13.8	*	100
SW383-3000	3	76.2	2	3.656	92.9	2.02	0.92	18.0	457.2	150	10.3	*	100
SW383-4000	4	101.6	2	4.719	119.9	3.03	1.37	28.0	711.2	150	10.3	*	100
SW383-6000	6	152.4	2	6.813	173.0	5.90	2.68	42.0	1066.8	150	10.3	*	100