



SPARTAN™

UHMWPE Chemical Hose

Series SW593

Series SW593 is a lightweight, high pressure, high temperature suction and discharge hose designed to handle approximately 98% of commonly used acids, chemicals and solvents. The ultra high molecular weight polyethylene (UHMWPE) tube will not leach into and contaminate the product being conveyed. The hose construction incorporates a dual wire helix that provides full suction capability, kink resistance, flexibility for ease of handling, 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.

Tube:	Translucent ultra high molecular weight polyethylene (UHMWPE)
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	Green EPDM; wrapped finish
Temp. Range:	-40°F to +250°F (-40°C to +121°C)
Brand Method:	Green text on yellow stripe
Brand Example:	PARKER SERIES SW593 SPARTAN™ UHMWPE CHEMICAL SUCTION HOSE 200 PSI WP
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Acids, chemicals, solvents • In-plant tank transfer • Delivery, transport
Vacuum:	Full
Packaging:	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 **
SW593-1000	1	25.4	2	1.375	34.9	0.41	0.19	6.0	152.4	200	13.8	*	100	Y
SW593-1500	1-1/2	38.1	2	1.875	47.6	0.63	0.29	9.0	228.6	200	13.8	*	100	N
SW593-2000	2	50.8	2	2.438	61.9	1.01	0.46	12.0	304.8	200	13.8	*	100	Y
SW593-3000	3	76.2	2	3.440	87.3	1.63	0.74	18.0	457.2	200	13.8	*	100	Y

* **Couplings:** Refer to CrimpSource at 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](#).
- ▶ Do not use with internally expanded couplings. Refer to chemical hoses that incorporate a MXLPE tube.