PTFE Chemical Transfer Hose

Series 5100

Inner Wire: Stainless steel (S)
Inner Liner: Polytetrafluoroethylene (PTFE / Teflon®) film
Hose Wall: Multiple layers of fabric/film/tubes
Cover: Red PVC coated polyester
Outer Wire: Stainless steel (S)
Temp Range: -40°F to +212°F (-40°C to +100°C)
Brand Method: Black text on gold stripe
Brand Example: PARKER SERIES 5100 PTFE CHEMICAL TRANSFER HOSE 250 PSI MAX WP MADE IN USA
Design Factor: 4:1
Industry Standards: None applicable
Applications: Chemicals, inks, paints, pharmaceuticals, plant processing, rail cars, tank trucks
NOTE: Not for dry material service.
Vacuum: Full
Compare To: Apollo 1052T; Dantec Danflon SS/SG; Peraflex SST/SGT Aggressive Chemical; Tift 947 Tel-Flex SS/SG; Uni-Chem Uni-Flon SS/SG; Wilcox 4124SS/4121SG

Part Number	ID (in)	ID (mm)	Approx Wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)	Max Lg (ft)
5100SS-1000	1	25.4	0.8	5.0	250	75
5100SS-1500	1-1/2	38.1	1.0	6.0	250	75
5100SS-2000	2	50.8	1.2	6.5	250	75
5100SS-2500	2-1/2	63.5	1.6	8.0	250	75
5100SS-3000	3	76.2	2.0	9.5	250	70
5100SS-4000	4	101.6	4.4	16.0	250	70
5100SS-6000	6	152.4	7.0	20.0	250	65
5100SS-8000	8	203.2	10.0	29.0	250	65

Standard Wire: S (Stainless) inner and outer
Available Wire Options: See table below
Alternate P/N Example: 5100SG-4000 (Stainless inner, Galvanized outer)
Coupling Rec: Permanently attached one-piece male pipe or flanged ends; cam and groove. Refer to page 387 for standard factory coupling options.
Assemblies: Per customer requirement; hydrostatically tested to 150% of the rated working pressure. Contact Parker.

Available Component Materials

Component	Description	Alpha Designation in Hose Part Number
Inner Wire	Stainless Steel (316)	S
Outer Wire	Galvanized Steel	G
	Stainless Steel (316)	S
Inner Liner	Polytetrafluoroethylene (PTFE)	n/a (Standard)
Couplings	Carbon Steel	–
	Stainless Steel	–

See page 387 for additional coupling materials data.

⚠WARNING! It is the responsibility of the user to determine if the hose is suitable for the application. Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose materials to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. Refer to the Safety and Technical section of this catalog for safety, handling and use information. Refer to the Composite Hose table in the Chemical Guide section of this catalog to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information. If no data exists, users are required to perform compatibility testing at the desired temperature.

Parker Industrial Hose Customer Service
866 810 HOSE (4673) Strongsville, OH Eastern USA
800 242 HOSE (4673) South Gate, CA Western USA
www.safehose.com
e-mail: indhose@parker.com