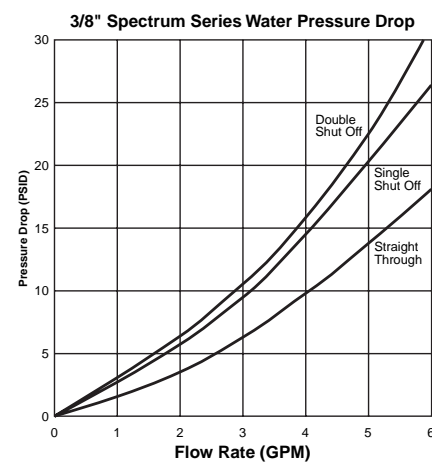
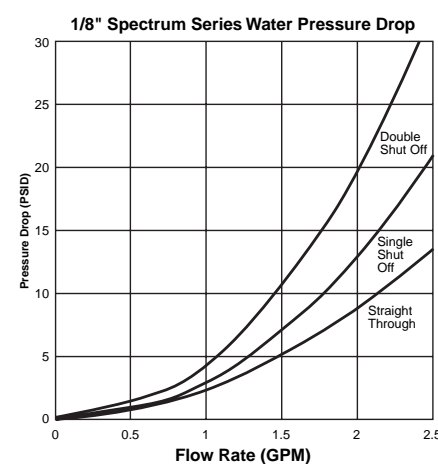




Description

Parker's Spectrum™ Series couplers are the most advanced engineered thermoplastic couplings available. Spectrum Series couplings combine compact size, high flow capability, and light weight design to meet a broad range of coupling applications. Three material combinations allow the couplings to be used in markets as diverse as chemical processing, automation equipment, semi-conductor and food processing. Spectrum Series can be used in many applications previously reserved for stainless steel couplings. Other features include: convenient push-to-connect design, a wide range of port options, and modular design.

Performance



How To Order

S 2 - A C V - 04 - FP
 S - Body Size
 2 - 1/8 Inch
 6 - 3/8 Inch
 A - Acetal
 P - PVDF
 K - PVDF/PEEK™
 C - Coupler
 N - Nipple
 P - Panel mount coupler
 V - Valved
 S - Straight thru
 Port Size 16^{ths}
 FP - Female pipe
 MP - Male pipe
 HB - Standard hose barb
 BHB - Bulkhead hose barb

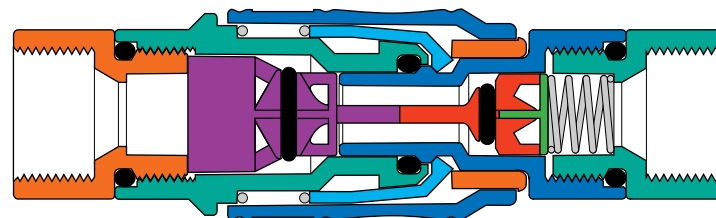
Specifications

	Acetal/SS (black with grey sleeve)		PVDF/SS (translucent with green sleeve)		PVDF/PEEK™ (translucent)
	1/8	3/8	1/8	3/8	3/8
Pressure Range	0-145 psi (0-10 bar)	0-145 psi (0-10 bar)	0-115 psi (0-8 bar)	0-115 psi (0-8 bar)	15-115 psi (1-8 bar)
Temperature Range	0° F to 180° F (-20° C to +80° C)	0° F to 180° F (-20° C to +80° C)	0° F to 250° F (-20° C to +120° C)	0° F to 250° F (-20° C to +120° C)	0° F to 250° F (-20° C to +120° C)
Rated Flow (DSO)	1.5 GPM (5.6 lpm)	4.5 GPM (17 lpm)	1.5 GPM (5.6 lpm)	4.5 GPM (17 lpm)	4.5 GPM (17 lpm)
Body Material	Acetal	Acetal	PVDF	PVDF	PVDF
Spring Material	316 SS	316 SS	316 SS	316 SS	PEEK™
Seal Material	Nitrile	Nitrile	Fluorocarbon	Fluorocarbon	Fluorocarbon

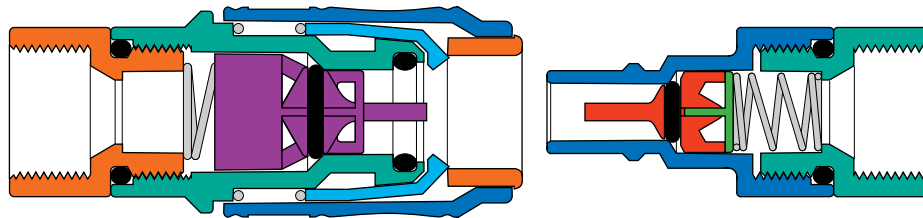
Thermoplastic Couplings

Spectrum™ Series Thermoplastic Couplings

Connected



Disconnected



Applications

Acetal/SS

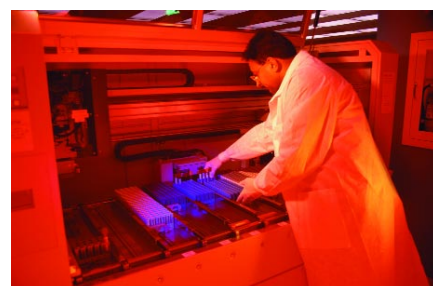
Pneumatic Controls
 Water Processing
 Lubrication Systems
 Mild Chemicals
 Cooling Lines
 Ink Transfer Lines
 Drain/Fill Lines

PVDF/SS

Lab Equipment
 Waste Treatment
 Chemical Dispensing
 Food and Beverage Service
 Deionized Water
 Photographic Equipment
 Agricultural Chemicals

PVDF/PEEK™

Semi Conductor Manufacturing
 High Purity Systems
 Harsh Chemicals
 Analyzers
 Lab Equipment
 Pharmaceutical
 Plating Lines



For more information, Call 1-800-C-PARKER

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 This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.
 The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

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Bulletin 3800-SPECTRUM v 2.0



Parker Hannifin Corporation
Quick Coupling Division
 8145 Lewis Road
 Minneapolis, MN 55427
 PH: (763) 544-7781 FAX: (763) 544-3418 www.parker.com/quickcouplings

5M, 3/99 MP

Parker Spectrum™ Series Thermoplastic Couplings



The Most Advanced Engineered Thermoplastic Couplings Available

Features

- Excellent Chemical Compatibility
- Three Material Combinations: Acetal/SS, PVDF/SS and PVDF/PEEK™
- High Flow Capacity
- Easy Push-To-Connect Operation
- Available Valved and Unvalved
- Flexible Modular Design
- Four Point 360° Locking Mechanism
- Temperatures Up To 250° F
- Panel Mounting Option

Bulletin 3800-SPECTRUM v 2.0



Quick Coupling Division
 8145 Lewis Road
 Minneapolis, MN



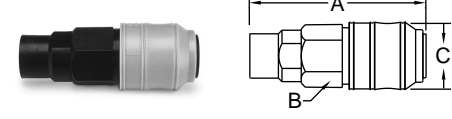
Quick Coupling Division
 8145 Lewis Road
 Minneapolis, MN

Thermoplastic Couplings

Spectrum™ Series
Thermoplastic Couplers

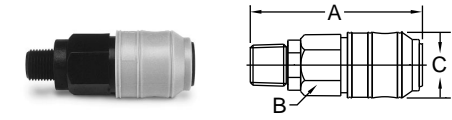
Couplers – Valved and Unvalved

Female Pipe



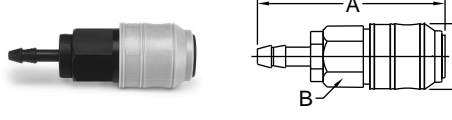
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-AC*-02-FP	S2-PC*-02-FP	—	1/8-27	2.15	.67	.82		
1/8	S2-AC*-04-FP	S2-PC*-04-FP	—	1/4-18	2.34	.67	.82		
3/8	S6-AC*-04-FP	S6-PC*-04-FP	S6-KC*-04-FP	1/4-18	2.63	.82	1.02		
3/8	S6-AC*-06-FP	S6-PC*-06-FP	S6-KC*-06-FP	3/8-18	2.63	.82	1.02		
3/8	S6-AC*-08-FP	S6-PC*-08-FP	S6-KC*-08-FP	1/2-14	3.10	.82	1.02		

Male Pipe



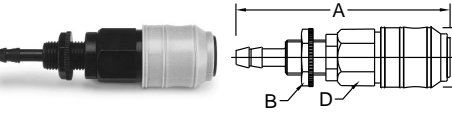
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-AC*-02-MP	S2-PC*-02-MP	—	1/8-27	2.04	.67	.82		
1/8	S2-AC*-04-MP	S2-PC*-04-MP	—	1/4-18	2.15	.67	.82		
3/8	S6-AC*-04-MP	S6-PC*-04-MP	S6-KC*-04-MP	1/4-18	2.90	.82	1.02		
3/8	S6-AC*-06-MP	S6-PC*-06-MP	S6-KC*-06-MP	3/8-18	2.77	.82	1.02		
3/8	S6-AC*-08-MP	S6-PC*-08-MP	S6-KC*-08-MP	1/2-14	3.10	.82	1.02		

Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-AC*-03-HB	S2-PC*-03-HB	—	3/16 (4 mm)	2.34	.67	.82		
1/8	S2-AC*-04-HB	S2-PC*-04-HB	—	1/4 (6 mm)	2.34	.67	.82		
3/8	S6-AC*-04-HB	S6-PC*-04-HB	S6-KC*-04-HB	1/4 (6 mm)	3.19	.82	1.02		
3/8	S6-AC*-06-HB	S6-PC*-06-HB	S6-KC*-06-HB	3/8 (9 mm)	3.19	.82	1.02		
3/8	S6-AC*-08-HB	S6-PC*-08-HB	S6-KC*-08-HB	1/2 (13 mm)	3.31	.82	1.02		

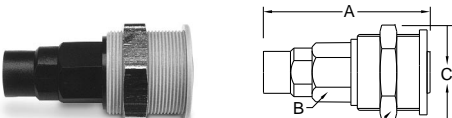
Bulkhead Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length				Hex Size	Largest Diameter	Bulkhead Hex
					A	B	C	D			
1/8	S2-AC*-03-BHB	S2-PC*-03-BHB	—	3/16 (4 mm)	2.89	.67	.82	.67			
1/8	S2-AC*-04-BHB	S2-PC*-04-BHB	—	1/4 (6 mm)	2.89	.67	.82	.67			

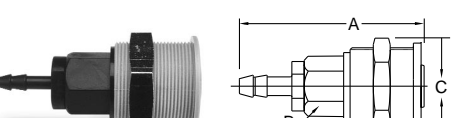
Panel Mount Couplers

Female Pipe



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length				Hex Size	Largest Diameter	Bulkhead Hex
					A	B	C	D			
1/8	S2-AP*-02-FP	S2-PP*-02-FP	—	1/8-27	2.04	.67	1.10	1.06			
1/8	S2-AP*-04-FP	S2-PP*-04-FP	—	1/4-18	2.16	.67	1.10	1.06			

Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length				Hex Size	Largest Diameter	Bulkhead Hex
					A	B	C	D			
1/8	S2-AP*-03-HB	S2-PP*-03-HB	—	3/16 (4 mm)	2.34	.67	1.10	1.06			
1/8	S2-AP*-04-HB	S2-PP*-04-HB	—	1/4 (6 mm)	2.34	.67	1.10	1.06			

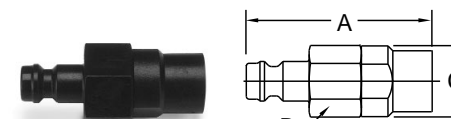
* NOTE: Replace * with "V" for Valved version and "S" for Non-Valved version

Thermoplastic Couplings

Spectrum™ Series
Thermoplastic Nipples

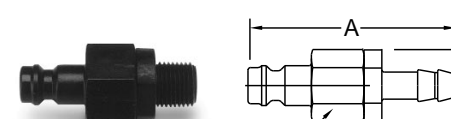
Nipples – Valved

Female Pipe



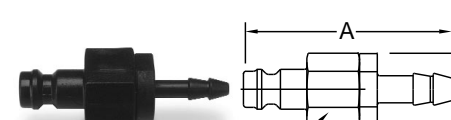
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-ANV-02-FP	S2-PNV-02-FP	—	1/8-27	1.61	.67	.76		
1/8	S2-ANV-04-FP	S2-PNV-04-FP	—	1/4-18	1.80	.67	.76		
3/8	S6-ANV-04-FP	S6-PNV-04-FP	S6-KNV-04-FP	1/4-18	2.02	.83	.91		
3/8	S6-ANV-06-FP	S6-PNV-06-FP	S6-KNV-06-FP	3/8-18	2.02	.83	.91		
3/8	S6-ANV-08-FP	S6-PNV-08-FP	S6-KNV-08-FP	1/2-14	2.49	.83	.91		

Male Pipe



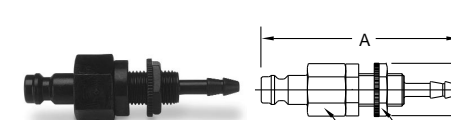
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-ANV-03-MP	S2-PNV-03-MP	—	1/8-27	1.49	.67	.76		
1/8	S2-ANV-04-MP	S2-PNV-04-MP	—	1/4-18	1.80	.67	.76		
3/8	S6-ANV-04-MP	S6-PNV-04-MP	S6-KNV-04-MP	1/4-18	2.24	.83	.91		
3/8	S6-ANV-06-MP	S6-PNV-06-MP	S6-KNV-06-MP	3/8-18	2.16	.83	.91		
3/8	S6-ANV-08-MP	S6-PNV-08-MP	S6-KNV-08-MP	1/2-14	2.49	.83	.91		

Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-ANV-03-HB	S2-PNV-03-HB	—	3/16 (4 mm)	1.80	.67	.76		
1/8	S2-ANV-04-HB	S2-PNV-04-HB	—	1/4 (6 mm)	1.80	.67	.76		
3/8	S6-ANV-04-HB	S6-PNV-04-HB	S6-KNV-04-HB	1/4 (6 mm)	2.59	.82	.91		
3/8	S6-ANV-06-HB	S6-PNV-06-HB	S6-KNV-06-HB	3/8 (9 mm)	2.59	.82	.91		
3/8	S6-ANV-08-HB	S6-PNV-08-HB	S6-KNV-08-HB	1/2 (13 mm)	2.71	.82	.91		

Bulkhead Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length				Hex Size	Largest Diameter	Bulkhead Hex
					A	B	C	D			
1/8	S2-ANV-03-BHB	S2-PNV-03-BHB	—	3/16 (4 mm)	2.35	.67	.76	.55			
1/8	S2-ANV-04-BHB	S2-PNV-04-BHB	—	1/4 (6 mm)	2.35	.67	.76	.55			

Thermoplastic Couplings

Spectrum™ Series
Thermoplastic Nipples

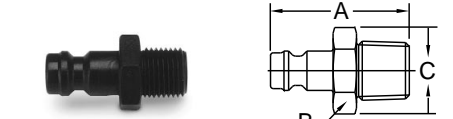
Nipples – Unvalved

Female Pipe



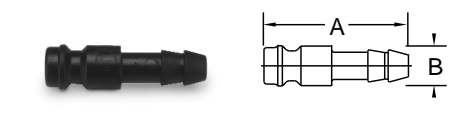
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-ANS-02-FP	S2-PNS-02-FP	—	1/8-27	1.02	.55	.62		
1/8	S2-ANS-04-FP	S2-PNS-04-FP	—	1/4-18	1.18	.67	.76		
3/8	S6-ANS-04-FP	S6-PNS-04-FP	—	1/4-18	1.52	.67	.73		
3/8	S6-ANS-06-FP	S6-PNS-06-FP	—	3/8-18	1.52	.83	.91		
3/8	S6-ANS-08-FP	S6-PNS-08-FP	—	1/2-14	1.68	.98	1.09		

Male Pipe



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length			Hex Size	Largest Diameter
					A	B	C		
1/8	S2-ANS-02-MP	S2-PNS-02-MP	—	1/8-27	1.08	.55	.62		
1/8	S2-ANS-04-MP	S2-PNS-04-MP	—	1/4-18	1.24	.67	.76		
3/8	S6-ANS-04-MP	S6-PNS-04-MP	—	1/4-18	1.64	.67	.73		
3/8	S6-ANS-06-MP	S6-PNS-06-MP	—	3/8-18	1.64	.83	.91		
3/8	S6-ANS-08-MP	S6-PNS-08-MP	—	1/2-14	1.83	.94	1.04		

Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length		Largest Diameter
					A	B	
1/8	S2-ANS-03-HB	S2-PNS-03-HB	—	3/16 (4 mm)	1.26	.34	
1/8	S2-ANS-04-HB	S2-PNS-04-HB	—	1/4 (6 mm)	1.26	.34	
3/8	S6-ANS-04-HB	S6-PNS-04-HB	—	1/4 (6 mm)	1.86	.71	
3/8	S6-ANS-06-HB	S6-PNS-06-HB	—	3/8 (9 mm)	1.87	.71	
3/8	S6-ANS-08-HB	S6-PNS-08-HB	—	1/2 (13 mm)	1.99	.71	

Bulkhead Hose Barb



Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length				Hex Size	Largest Diameter	Bulkhead Hex
					A	B	C	D			
1/8	S2-ANS-03-BHB	S2-PNS-03-BHB	—	3/16 (4 mm)	1.97	.55	.64	.55			
1/8	S2-ANS-04-BHB	S2-PNS-04-BHB	—	1/4 (6 mm)	1.97	.55	.77	.67			