Thermoplastic Couplings



www.parker.com/quickcouplings











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	Valving	Coupler Style	Body Size (in.)	Material	Locking Mechanism	Std. Seal Material	Temp Range**	Rate Pressure
	Flush Face	Push-to-	1/2", 1"& 2"	Polypropylene/	Pawl lock	Fluoro-	+40° to +140° F	30 to 100 PSI
PF Series	Non-Spill	Connect		Stainless		carbon		
Spectrum ™ Series	Valved or	Push-to-	1/8" & 3/8"	Acetal	Finger Lock	Nitrile	0°F to 180°F	0 to 145 PSI
	Unvalved	Connect		316 SS				
Spectrum ™Series	Valved or	Push-to-	1/8" & 3/8"	PVDF/SS	Finger Lock	Fluoro-	0°F to 250°F	0 to 115 PSI
·	Unvalved	Connect		316 SS		carbon		
Spectrum ™ Series	Valved or	Push-to-	3/8"	PVDF/	Finger Lock	Fluoro-	0°F to 250°F	15 to 115 PSI
	Unvalved	Connect		PEEK™		carbon		

Ordering Information

Optional Seals Suffix*

No suffix is required when ordering products with the standard Fluorocarbon seals. When specifying an optional seal, refer to the following chart to determine the appropriate suffix.**

Coupling Series	Ethylene Propylene	Neoprene	Perfluoro- elastomer
PF Series	E5	E12	E47

^{*}To select proper seal materials, see Fluid Compatibility Chart in Appendices section, or contact your Parker Quick Coupling Distributor.

^{**}N/A = Not Available; STD = Standard (No Suffix Needed)

Spectrum Series	are available with these materials
Body Material	Seal Material
Acetal/SS	Nitrile
PVDF/SS	Fluorocarbon
PVDF/PEEK™	Fluorocarbon



Spectrum™ Series



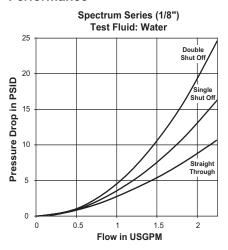
Applications

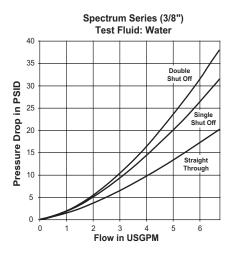
Parker's Spectrum[™] Series couplers are the most advanced engineered thermoplastic couplings available. Spectrum Series couplings combine compact size, high flow capability, and light weight design to meet a broad range of coupling applications. Three material combinations allow the couplings to be 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.

Features

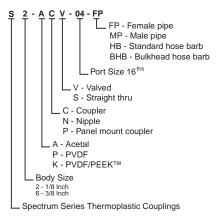
- · Excellent Chemical Compatibility
- Three Material Combinations: Acetal/SS, PVDF/SS and PVDF/PEEK™
- · High Flow Capacity
- Easy Push-To-Connect Operation
- Available Valved and Unvalved
- Flexible Modular Design
- Four Point 360° Locking Mechanism
- Temperatures Up To 250° F
- · Panel Mounting Option

Performance





How To Order



Specifications

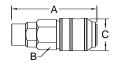
		tal/SS grey sleeve)		F/SS th green sleeve)	PVDF/PEEK TM (translucent)
Body Size	1/8		1/8	3/8	3/8
Pressure Range	0-145 psi (0-10 bar)	0-145 psi (0-10 bar)	0-115 psi (0-8 bar)	0-115 psi (0-8 bar)	15-115 psi (1-8 bar)
Temperature Range	0° F to 180° F (-20° C to +80° C)	0° F to 180° F (-20° C to +80° C)	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	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



Couplers

Female Pipe

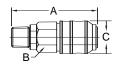




Body Size (in.)	Acetal* Part No.	PVDF* Part No.	PVDF/PEEK™* Part No.	Port NPT	Overall Length		Largest Diameter
					Α	В	С
1/8	S2-ACV-02-FP	S2-PCV-02-FP	_	1/8-27	2.15	.67	.82
1/8	S2-ACV-04-FP	S2-PCV-04-FP	_	1/4-18	2.34	.67	.82
3/8	S6-ACV-04-FP	S6-PCV-04-FP	S6-KCV-04-FP	1/4-18	2.63	.82	1.02
3/8	S6-ACV-06-FP	S6-PCV-06-FP	S6-KCV-06-FP	3/8-18	2.63	.82	1.02
3/8	S6-ACV-08-FP	S6-PCV-08-FP	S6-KCV-08-FP	1/2-14	3.10	.82	1.02

Male Pipe

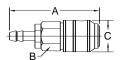




Body Acetal* Size (in.) Part No.		PVDF* Part No.	PVDF/PEEK™* Part No.	Port NPT	Overall Length		Largest Diameter
					Α	В	С
1/8	S2-ACV-02-MP	S2-PCV-02-MP	_	1/8-27	2.04	.67	.82
1/8	S2-ACV-04-MP	S2-PCV-04-MP	_	1/4-18	2.15	.67	.82
3/8	S6-ACV-04-MP	S6-PCV-04-MP	S6-KCV-04-MP	1/4-18	2.90	.82	1.02
3/8	S6-ACV-06-MP	S6-PCV-06-MP	S6-KCV-06-MP	3/8-18	2.77	.82	1.02
3/8	S6-ACV-08-MP	S6-PCV-08-MP	S6-KCV-08-MP	1/2-14	3.10	.82	1.02

Hose Barb

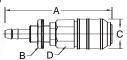




Body Size (in.)	Acetal* Part No.	PVDF* Part No.	PVDF/PEEK™* Part No.	Hose I.D.	Overall Length	Hex Size	Largest Diameter
					Α	В	С
1/8	S2-ACV-03-HB	S2-PCV-03-HB	_	3/16 (4 mm)	2.34	.67	.82
1/8	S2-ACV-04-HB	S2-PCV-04-HB	_	1/4 (6 mm)	2.34	.67	.82
3/8	S6-ACV-04-HB	S6-PCV-04-HB	S6-KCV-04-HB	1/4 (6 mm)	3.19	.82	1.02
3/8	S6-ACV-06-HB	S6-PCV-06-HB	S6-KCV-06-HB	3/8 (9 mm)	3.19	.82	1.02
3/8	S6-ACV-08-HB	S6-PCV-08-HB	S6-KCV-08-HB	1/2 (13 mm)	3.31	.82	1.02

Bulkhead Hose Barb



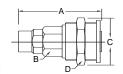


Body Size (in	Acetal* .) Part No.	PVDF* Part No.	PVDF/PEEK™ Part No.				Largest Diameter	Bulkhead Hex
					Α	В	С	D
1/8	S2-ACV-03-BHB	S2-PCV-03-BHB	_	3/16 (4 mm)	2.89	.67	.82	.67
1/8	S2-ACV-04-BHB	S2-PCV-04-BHB	_	1/4 (6 mm)	2.89	.67	.82	.67

Panel Mount Couplers

Female Pipe

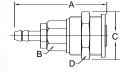




Body Size (in	Acetal* .) Part No.	PVDF* Part No.	PVDF/PEEK™ Part No.				Largest Diameter	
					Α	В	С	D
1/8	S2-APV-02-FP	S2-PPV-02-FP	_	1/8-27	2.04	.67	1.10	1.06
1/8	S2-APV-04-FP	S2-PPV-04-FP	' —	1/4-18	2.16	.67	1.10	1.06

Hose Barb





Body Size (in.	Acetal*) Part No.	PVDF* Part No.	PVDF/PEEK™ Part No.	Hose I.D.			Largest Diameter	
					Α	В	С	D
1/8	S2-APV-03-HB	S2-PPV-03-HB	-	3/16 (4 mm)	2.34	.67	1.10	1.06
1/8	S2-APV-04-HB	S2-PPV-04-HB	· –	1/4 (6 mm)	2.34	.67	1.10	1.06

^{*} NOTE: To Order Unvalved Coupler replace "V" with an "S".



Spectrum™ Series

Nipples - Unvalved

Female Pipe





Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Port NPT	Overall Length		Largest Diameter
					Α	В	С
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	<u> </u>	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
					Α	В	С
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

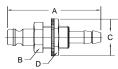




Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Part No.	Hose I.D.	Overall Length	Largest Diameter
					Α	В
1/8	S2-ANS-03-HB	S2-PNS-03-HB	_	3/16 (4 mm)	1.26	.34
1/8	S2-ANS-04-HB	S2-PNS-04-HB	_	1/4 (6 mm)	1.26	.34
3/8	S6-ANS-04-HB	S6-PNS-04-HB	_	1/4 (6 mm)	1.86	.71
3/8	S6-ANS-06-HB	S6-PNS-06-HB	_	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





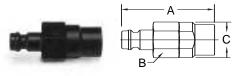
Body Size (in.	Acetal) Part No.	PVDF P Part No.	VDF/PEEK™ Part No.	1 Hose I.D.			Largest Diameter	Bulkhead Hex
					Α	В	С	D
1/8	S2-ANS-03-BHB	S2-PNS-03-BHE	3 —	3/16 (4 mm)	1.97	.55	.64	.55
1/8	S2-ANS-04-BHB	S2-PNS-04-BHE	3 —	1/4 (6 mm)	1.97	.55	.77	.67



Spectrum™ Series

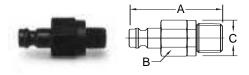
Nipples -Valved

Female Pipe



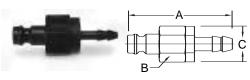
Body Size (in.)	Acetal Part No.	PVDF Part No.	PVDF/PEEK™ Port Part No. NPT		Overall Length		Largest Diameter
					Α	В	С
1/8	S2-ANV-02-FP	S2-PNV-02-FP	_	1/8-27	1.61	.67	.76
1/8	S2-ANV-04-FP	S2-PNV-04-FP	_	1/4-18	1.80	.67	.76
3/8	S6-ANV-04-FP	S6-PNV-04-FP	S6-KNV-04-FP	1/4-18	2.02	.83	.91
3/8	S6-ANV-06-FP	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



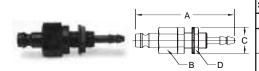
Body Size (in.)			PVDF/PEEK™ Port Part No. NPT		Overall Length		Largest Diameter
					Α	В	С
1/8	S2-ANV-02-MP	S2-PNV-02-MP	_	1/8-27	1.49	.67	.76
1/8	S2-ANV-04-MP	S2-PNV-04-MP	_	1/4-18	1.80	.67	.76
3/8	S6-ANV-04-MP	S6-PNV-04-MP	S6-KNV-04-MP	1/4-18	2.24	.83	.91
3/8	S6-ANV-06-MP	S6-PNV-06-MP	S6-KNV-06-MP	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
					Α	В	С
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 a.) Part No.	PVDF Part No.	PVDF/PEEK™ Part No.				Largest Diameter	Bulkhead Hex
					Α	В	С	D
1/8	S2-ANV-03-BHB	S2-PNV-03-BHE	3 —	3/16 (4 mm)	2.35	.67	.76	.55
1/8	S2-ANV-04-BHB	S2-PNV-04-BHE	3 —	1/4 (6 mm)	2.35	.67	.76	.55



PF Series - Chemical Transfer Couplings



Applications

- Chemical Dispensing Systems
- · Spray Application Equipment
- · Mini Bulk Tanks
- Replacement for Banjo Style Camlok Fittings & Ball Valves
- Bulk Transfer Barrels

Specifications

Body Size	1/2"	1"	2"			
Materials:						
Body	Pol	ypropylene				
Springs	316 Stainless Steel					
Seals	Fluorocarbon ⁽¹⁾					
Rated Pressure (at 68° F)	100 PSI	60 PSI	100 PSI			
Rated Flow	12 GPM	20 GPM	50 GPM			
Pressure Drop at Rated Flow	11.3 PSI	3.4 PSI	4 PSI			
Force to Connect	32 lbs.	54 lbs.	41 lbs.			
Force to Disconnect	12 lbs.	17 lbs.	17 lbs.			
Operating Temp.	+40	°F to +140° F				
Storage Temp.	-20	°F to +140° F				
Maximum Spillage per Disconnect	0.14 ml .01 cu. in.	1ml .06 cu. in. (1cc)	9 ml .5 cu. in.			
Vacuum Rating	ntact Factory1					

⁽¹⁾ Also available in EPDM, Nitrile, Neoprene, Perfluoroelastomer

Features

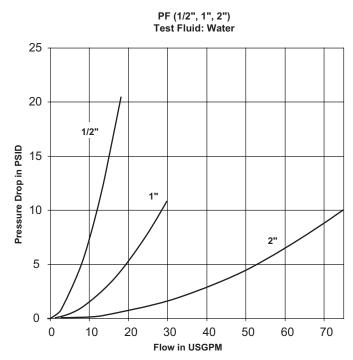
The Parker PF Series Dry Disconnect couplings virtually eliminate fluid loss upon disconnection and are designed to help meet the demand for closed system transfer and dispensing of chemicals and fluids with minimal environmental contamination. They can be used with concentrated or diluted industrial chemicals, fertilizers, herbicides, insecticides, fungicides or pesticides when transferring from bulk storage tanks, returnable containers, applicators, etc.

The PF Series 2" body size is ideal for large bulk transfer of fluids and eliminating fluid spillage when connecting and disconnecting.

Additional features include:

- Rugged Glass filled Polypropylene construction for chemical compatibility and reduced cost.
- · Push-to-connect design.
- Flush face valves exhibit minimal spillage upon connect or disconnect and air inclusion on connect, and enables ease of cleaning.
- PTFE coated Fluorocarbon tank gasket for improved chemical compatibility.
- 1" coupler has non-wetted springs.

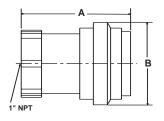
Performance



C Thermoplastics

Couplers



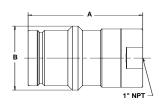


Body Size (in		Port* Thread	Overall Length	Largest Diameter	Wrench Flats	Wt. (LB.) P/Piece
			Α	В		
1/2	PF-501-8FP	1/2"NPT	3.02	1.88	1.38	0.18
1	PF-1001-16FP	1" NPT	3.99	3.00	1.99	0.53
2	PF-2001-32FP	2" NPT	6.63	5.00	-	1.75

^{*} Female NPT Threads standard. For other port options contact the division.

Nipples



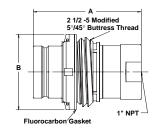


Body Size (in.)	Part No.	Port* Thread	Mount		Largest Diameter		
				Α	В		
1/2	PF-502-8FP	1/2" NPT	None	2.96	1.33	1.24	0.09
1	PF-1002-16FP	1" NPT	None	3.92	2.20	1.87	0.26
2	PF-2002-32FP	2" NPT	None	5.71	3.55	-	0.75

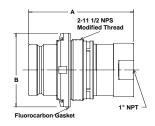
^{*} Female NPT Threads standard. For other port options contact the division.

Nipples - Tank Mount









Body Size (in.)		Port* Thread					Wt. (LB.) P/Piece
				Α	В		
1	PF-1002-32MB	1" NPT	Modified Buttress		2.75	1.87	0.33
1	PF-1002-32MP	1" NPT	Modified NPS	3.92	2.75	1.87	0.31

^{*} Female NPT Threads standard. For other port options contact the division.

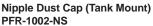
Dust Caps and Plugs







Body Coupler Dust Cap Nipple Dust Cap Material Size (in.) Part No. Part No. Synthetic Rubber 1/2 FR-501 FR-502 PFR-1002 None Ethylene Propylene PFR-1002-NS* Ethylene Propylene None





^{*} For use with Tank Mount Nipples

Ordering Information

Thermoplastic Couplings

When ordering Parker coupler bodies and nipples, please state the part number of each type of coupler body and each type of nipple desired. List coupler bodies and nipples as separate items rather than in combinations. Be sure to double check thread or hose sizes of items required.

Many of Parker's coupling products are available with unique non-standard options well suited to very specific applications. Examples of unusual end use applications might include: high temperatures (above 250° F), extremely caustic/corrosive solutions passing through the coupling, external/environmental corrosion situations, or other high wear and tear situations such as dragging the product along the ground. Please see the Fluid Compatibility Chart at the end of the catalog for a guide in selecting material for various media. It is always recommended that the Quick Coupling Division be contacted with any questions concerning specific product application needs.

Please Note: Certain couplings series have additional "Special Order Information" which should be referred to in ordering those products. If applicable to the product, "Special Order Information" is found next to the Features and Specifications charts.

Optional Seals Suffix*

No suffix is required when ordering products with the standard Fluorocarbon seals. When specifying an optional seal, refer to the following chart to determine the appropriate suffix.**

Coupling Series	Ethylene Propylene	Neoprene	Perfluoro- elastomer
PF Series	E5	E12	E35*** E47***

^{*} To select proper seal materials, see Fluid Compatibility Chart in Appendices section, or contact your Parker Quick Coupling Distributor.

^{****} DuPont Kalrez™

Spectrum Series – are available with these materials		
Body Material	Seal Material	
Acetal/SS	Nitrile	
PVDF/SS	Fluorocarbon	
PVDF/PEEK [™]	Fluorocarbon	



^{**} N/A = Not Available; STD = Standard (No Suffix Needed)

^{***} Parofluor™