



### 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:	Polypropylene <sup>(1)</sup>		
Body	Polypropylene <sup>(1)</sup>		
Springs	316 Stainless Steel <sup>(2)</sup>		
Seals	Fluorocarbon		
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	27.4 Hg	Contact Factory	Contact Factory

(1) Hastelloy™ & Kynar™ Coated available upon special request  
 (2) Also available in EPDM, Nitrile, Neoprene, Perfluoroelastomer

### Features

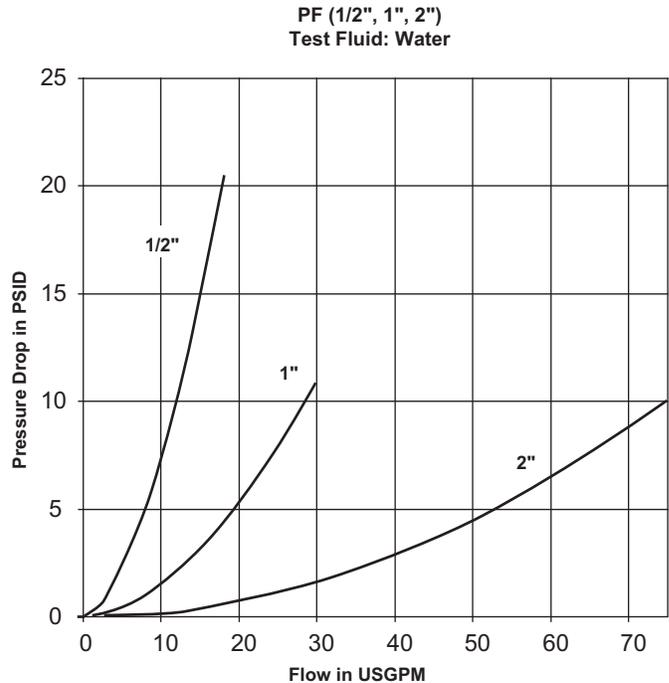
The Parker PF Series Dry Disconnect couplings virtually eliminate fluid loss upon disconnection and are designed to help meet the demand for closed system transfer and dispensing of chemicals and fluids with minimal environmental contamination. They can be used with concentrated or diluted industrial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

**New 2" Size** The new 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. Spring options available for nipples include: hastelloy springs designated -640, or kynar coated springs designated -714 .

### Performance

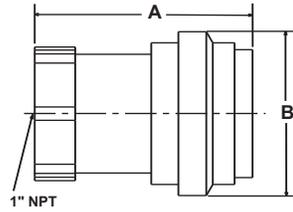


## Thermoplastic Couplings

## Non-Spill Couplings

PF Series – Non-Spill Chemical Transfer Couplings

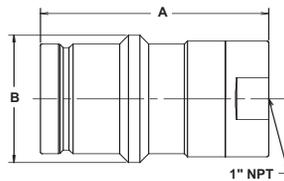
### Couplers



Body Size (in.)	Part No.	Port* Thread	Overall Length	Largest Diameter		Wrench Wt. (LB.)	
				A	B	Flats	P/Piece
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.

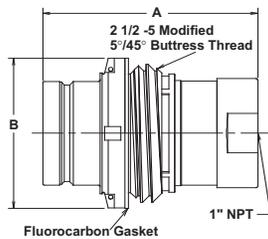
### Nipples



Body Size (in.)	Part No.	Port* Thread	Tank Mount Thread	Overall Length	Largest Diameter		Wrench Wt. (LB.)	
					A	B	Flats	P/Piece
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	

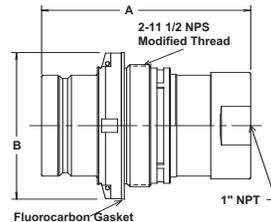
\* Female NPT Threads standard. For other port options contact the division.

### Nipples - Tank Mount



Body Size (in.)	Part No.	Port* Thread	Tank Mount Thread	Overall Length	Largest Diameter		Wrench Wt. (LB.)	
					A	B	Flats	P/Piece
1	PF-1002-32MB	1" NPT Modified	Buttress	3.92	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

Coupler Dust Cap  
FR-501



Nipple Dust Cap  
FR-502

Nipple Dust Cap  
PFR-1002



Nipple Dust Cap (Tank Mount)  
PFR-1002-NS



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

\* For use with Tank Mount Nipples

## Thermoplastic Couplings

## Ordering Information

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.

\*\* N/A = Not Available; STD = Standard (No Suffix Needed)

\*\*\* Parofluor™

\*\*\*\* DuPont Kalrez™

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