



The Parker PF Series Dry Disconnect couplings virtually eliminate fluid loss upon disconnection and are designed 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.

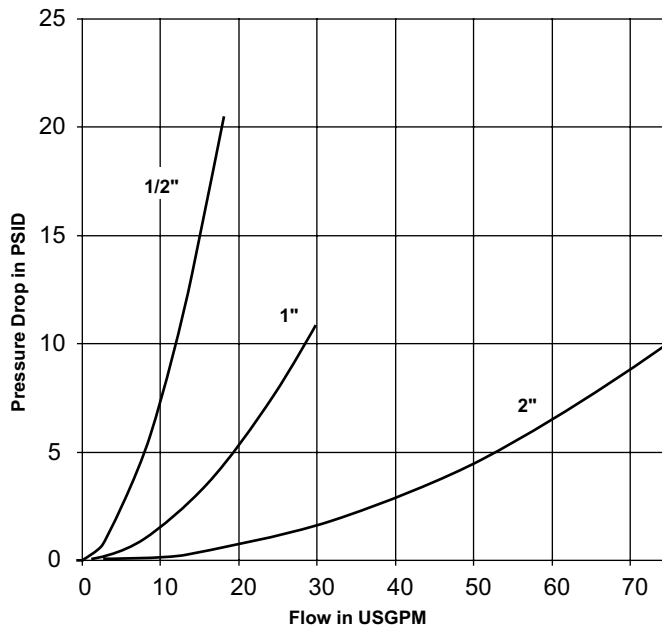
### Features:

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

- 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

PF (1/2", 1", 2")  
Test Fluid: Water



### Applications include:

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

### PF Series Specifications

Body Size	1/2	1	2
<b>Materials:</b> Body Springs Seals	Polypropylene 316 Stainless Steel Fluorocarbon <sup>(1)</sup>		
<b>Rated Pressure (at 68° F)</b>	100 PSI	60 PSI	100 PSI
<b>Rated Flow</b>	12 GPM	20 GPM	50 GPM
<b>Pressure Drop at Rated Flow</b>	11.3 PSI	3.4 PSI	4 PSI
<b>Force to Connect</b>	32 lbs.	41 lbs.	54 lbs.
<b>Force to Disconnect</b>	12 lbs.	17 lbs.	17 lbs.
<b>Operating Temperature</b>	+40° to +140° F		
<b>Storage Temperature</b>	-20° to +140° F		
<b>Maximum Spillage</b>	0.14 ml	1 ml	9 ml
<b>per Disconnect</b>	.01 cu. in.	.06 cu. in.	.5 cu. in.
<b>Vacuum Rating</b>	27.4 Hg	Contact QCD	Contact QCD (1)

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



## Couplers - Female Threads



Body Size	Part Number	Port* Thread	Overall Length	Largest Diameter	Wrench Flats	Weight
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 - Female Threads



Body Size	Part Number	Port* Thread	Tank Mount Thread	Overall Length	Largest Diameter	Wrench Flats	Weight
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	Part Number	Port* Thread	Tank Mount Thread	Overall Length	Largest Diameter	Wrench Flats	Weight
1	PF-1002-32MB	1" NPT	Modified Buttress	3.92	2.75	1.87	0.3
1	PF-1002-32MP	1" NPT	Modified NPS	3.92	2.75	1.87	0.3

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



## Dust Cap and Plugs

Body Size	Coupler Dust Cap Part Number	Nipple Dust Cap Part Number	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



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.

### Optional Seals Suffix\*

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

Coupling Series	Ethylene Propylene	Neoprene	Perfluoroelastomer
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™

