

Pneumatic Quick Couplings

General Purpose – Push-To-Connect
RF Series



Features

- Aerodynamic valve design.
- Flow area of the RF nipple is up to 2-1/2 times larger than industrial interchange nipples.
- Flow rates on 1/4" greater than many 3/8" body size couplers.
- Flow rates on 3/8" greater than many 1/2" body size couplers.
- Coupler sleeves are nickel-plated steel and coupler bodies are solid brass construction for excellent corrosion resistance. Standard RF nipples are manufactured from solid steel bar stock, case hardened and Chromium-6 Free plated.
- Dependable ball locking mechanism allows a swiveling action to reduce hose torque.
- Push-To-Connect design for easy one hand connection.
- Integral sleeve guard to protect against accidental disconnection.
- Wide range of port options available.
- More efficient use of compressed air due to higher flows and reduced pressure drop.
- RF Series interchanges with a common high-flow European interface.

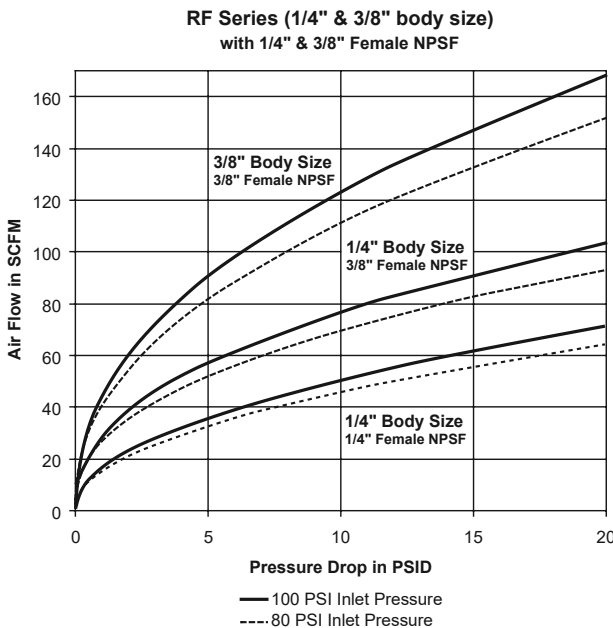
Specifications

Body Size (in.)	1/4	3/8
Rated Pressure (psi)	300	300
Temperature Range (std seals)	-40° to +250°F	-40° to +250°F
Locking Device	4 balls	8 balls
Vacuum Data (inches Hg)		
Disconnected (coupler only)	Not Recommended	Not Recommended
Connected	Not Recommended	Not Recommended

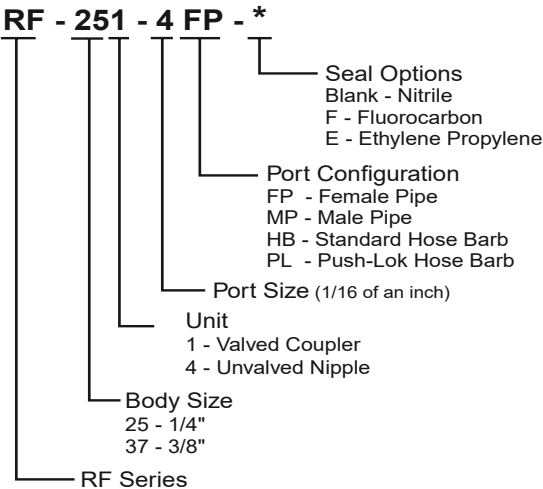
Description

The Parker RF Series pneumatic couplings offer the quality and dependability customers have come to expect from Parker's line of pneumatic quick couplings. The RF Series has been designed to increase the flow through and reduce the pressure drop over the coupling. The nipple design has up to 2-1/2 times larger flow area than standard industrial interchange nipples. This, along with a specially designed coupler valve, allows tremendous flow through a coupling with an envelope size of current couplings in the market today. The benefits to the end user are increased tool efficiency and decreased air costs.

Performance



How To Order

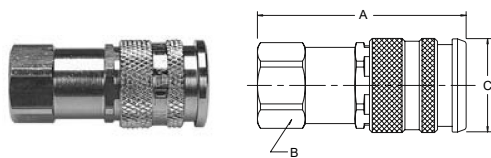


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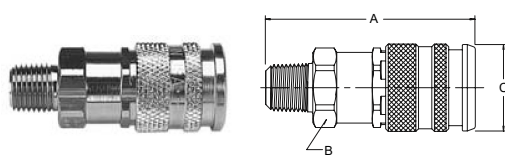
Couplers

Female Pipe Thread



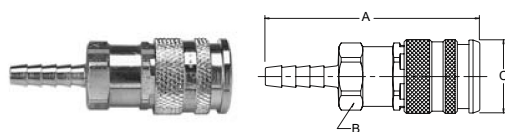
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPSF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4FP	CRF02-4-4	1/4-18	2.19	0.81	0.99	0.26
1/4	RF-251-6FP	CRF02-4-6	3/8-18	2.34	0.81	0.99	0.27
3/8	RF-371-6FP	—	3/8-18	2.33	0.94	1.07	0.31
3/8	RF-371-8FP	—	1/2-14	2.49	1.00	1.07	0.35

Male Pipe Thread



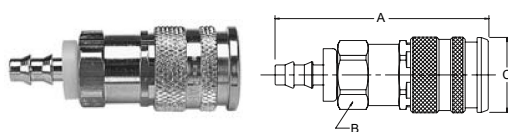
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4MP	CRF01-4-4	1/4-18	2.34	0.81	0.99	0.24
1/4	RF-251-6MP	CRF01-4-6	3/8-18	2.37	0.81	0.99	0.25
1/4	RF-251-8MP	CRF01-4-8	1/2-14	2.56	0.88	0.99	0.29
3/8	RF-371-6MP	—	3/8-18	2.52	0.94	1.07	0.30
3/8	RF-371-8MP	—	1/2-14	2.68	0.94	1.07	0.33

Standard Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4HB	CRFHB-4-4	1/4	2.81	0.81	0.99	0.26
1/4	RF-251-6HB	CRFHB-4-6	3/8	2.81	0.81	0.99	0.27
3/8	RF-371-6HB	—	3/8	3.02	0.94	1.07	0.31
3/8	RF-371-8HB	—	1/2	3.02	0.94	1.07	0.34

Push-Lok Hose Barb



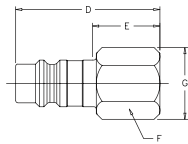
Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Wt. (LB) P/Piece
				Overall Length	Hex Size	Largest Diameter	
				A	B	C	
1/4	RF-251-4PL	CRFPL-4-4	1/4	2.64	0.81	0.99	0.26
1/4	RF-251-6PL	CRFPL-4-6	3/8	2.78	0.81	0.99	0.27
1/4	RF-251-8PL	CRFPL-4-8	1/2	2.93	0.81	0.99	0.28
3/8	RF-371-6PL	—	3/8	3.02	0.94	1.07	0.33
3/8	RF-371-8PL	—	1/2	3.02	0.94	1.07	0.33

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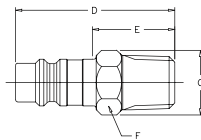
Nipples

Female Pipe Thread



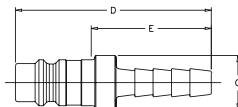
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)				Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	Hex Size	F		
1/4	RF-254-4FP	NRF02-4-4-S	1/4-18	1.45	0.68	0.62	0.72	0.06	
1/4	RF-254-6FP	NRF02-4-6-S	3/8-18	1.50	0.73	0.81	0.94	0.09	
3/8	RF-374-6FP	—	3/8-18	1.53	0.78	0.81	0.94	0.10	
3/8	RF-374-8FP	—	1/2-14	1.62	0.87	1.00	1.16	0.13	

Male Pipe Thread



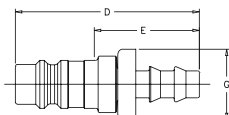
Body Size (in.)	NEW Part No.	OLD Part No.	Thread Size NPTF	Dimensions (in.)				Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	Hex Size	F		
1/4	RF-254-4MP	NRF01-4-4-S	1/4-18	1.60	0.83	0.56	0.65	0.05	
1/4	RF-254-6MP	NRF01-4-6-S	3/8-18	1.67	0.90	0.69	0.75	0.08	
3/8	RF-374-6MP	—	3/8-18	1.70	0.95	0.69	0.75	0.09	
3/8	RF-374-8MP	—	1/2-14	1.85	1.10	0.88	1.01	0.15	

Standard Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	F		
1/4	RF-254-4HB	NRFHB-4-4-S	1/4	1.66	0.89	0.50	0.04	
1/4	RF-254-6HB	NRFHB-4-6-S	3/8	1.66	0.89	0.50	0.05	
3/8	RF-374-6HB	—	3/8	1.63	0.88	0.59	0.07	
3/8	RF-374-8HB	—	1/2	1.97	1.22	0.68	0.08	

Push-Lok Hose Barb



Body Size (in.)	NEW Part No.	OLD Part No.	Hose I.D.	Dimensions (in.)			Largest Diameter	Wt. (LB) P/Piece
				Overall Length	Exposed* Length	F		
1/4	RF-254-4PL	NRFPL-4-4-S	1/4	1.69	0.92	0.50	0.04	
1/4	RF-254-6PL	NRFPL-4-6-S	3/8	1.83	1.06	0.50	0.05	
3/8	RF-374-6PL	—	3/8	1.80	1.05	0.59	0.07	
3/8	RF-374-8PL	—	1/2	2.09	1.34	0.897	0.09	

* This dimension represents portion of nipple that is exposed when nipple is inserted in a Parker RF Series coupler.