

Hydraulic Quick Couplings

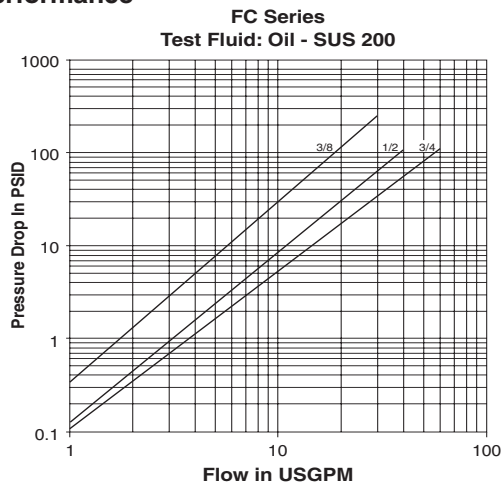
Non-Spill Couplings FC Series (Connect-Under-Pressure)



Description

FC Series products operate slightly different from traditional non-spill couplings. With no pressure in the coupler and up to 3000 psi of trapped pressure in the nipple, begin to couple the mating halves. Delay momentarily during connection to allow trapped pressure to equalize with the mating half before completing the connection.

Performance



Applications

Parker FC Series nipple provides connect-under-pressure capability with up to 3000 psi of trapped pressure in the nipple and are ideal for applications where residual pressure makes reconnect difficult. Utilized primarily in the construction equipment market, FC Series products are commonly found on hydraulic attachments used in skid steer applications. **The FC Series mates with the FF Series Parker interface.**

Features

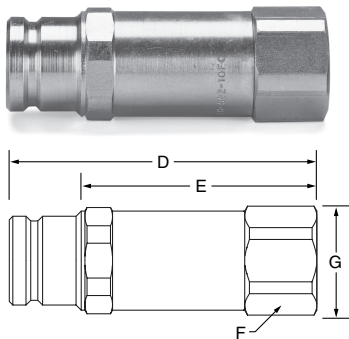
- Connect-Under-Pressure Nipple Only
- Hardened Locking Surface
- Zinc Plated with Yellow Chromate Finish
- Anti Blowout BFT Seals
- Flush Face Valving

Note: Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

Specifications

Body Size (in.)	3/8	1/2	3/4
Rated Pressure (PSI)	3000	3000	3000
Rated Connect-Under-Pressure Capability	3000	3000	1500
Rated Flow (GPM)	6	12	26
Spillage (ML) (max. per disconnect)	.015	.020	.015
Air Inclusion (ML) (max. per connect)	.020	.070	.100

Nipples



Body Size (in.)	Part No. Steel	Mating Half	Thread Size	Dimensions (in.)				Wt. (LB.) P/Piece
				Overall Length	Exposed Length	Hex Size	Largest Diameter	
				D	E	F	G	
3/8	FC-372-6FP	FF-371	3/8-18 NPSF	3.30	2.58	1.062	1.16	0.45
3/8	FC-372-8FO	FF-371	3/4-16 UNF	3.30	2.58	1.062	1.16	0.42
3/8	FC-372-8FP	FF-371	1/2-14 NPSF	3.30	2.58	1.062	1.16	0.42
1/2	FC-502-8FP	FF-501	1/2-14 NPSF	3.46	2.65	1.125	1.22	0.53
1/2	FC-502-10FO	FF-501	7/8-14 UNF	3.46	2.65	1.125	1.22	0.52
3/4	FC-752-12FO	FF-751	1 1/16-12 UNF	4.81	3.72	1.500	1.65	1.32
3/4	FC-752-12FP	FF-751	3/4-14 NPSF	4.81	3.72	1.500	1.65	1.34

Standard Port Configurations

- FP - Female Pipe Thread
FO - Female Straight Thread