

FEM/FEC Series

ISO 16028 Non-Spill Quick Couplings



Global Interchangeability with Connect-Under-Pressure Option

FEM Series Couplings are designed to meet the stringent design and performance requirements of ISO 16028. The flush face valving eliminates hydraulic spillage and air inclusion when connecting or disconnecting.

Optional FEC nipples allow connection under trapped residual pressure. Standard steel coupling configurations are compact in size with female and male bulkhead port ends available. Non-standard options include 90° ports, stainless steel material and metric port ends. Contact QCD for price and delivery.



FEM/FEC Series Features:

- Designed for use with construction, utility and agricultural equipment
- Meets or exceeds the design and performance requirements of ISO 16028 standard
- PVC dust caps have improved ozone resistance
- Compact Size
- Push-to-connect function for ease of use
- Steel body material with trivalent zinc plating
- Polyurethane interface seals
- FEC nipple option allows connection under residual pressure



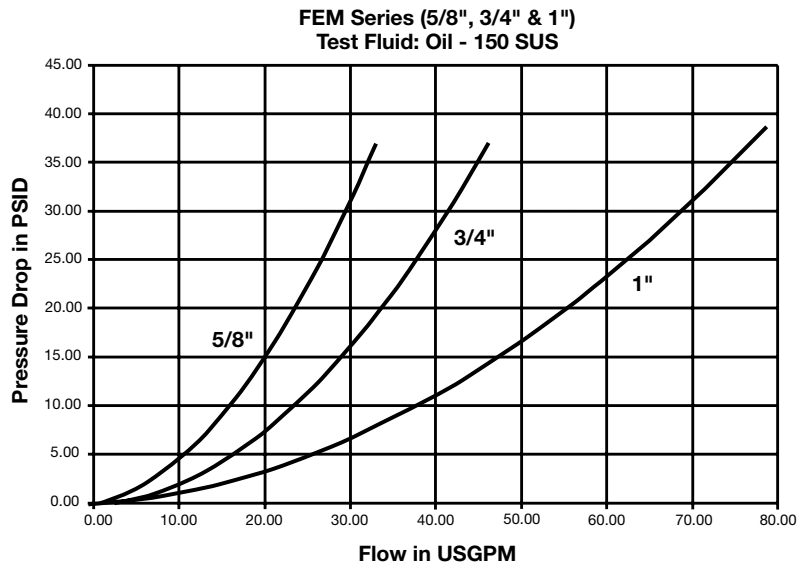
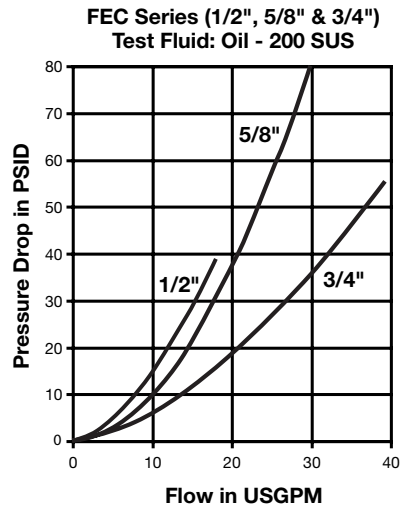
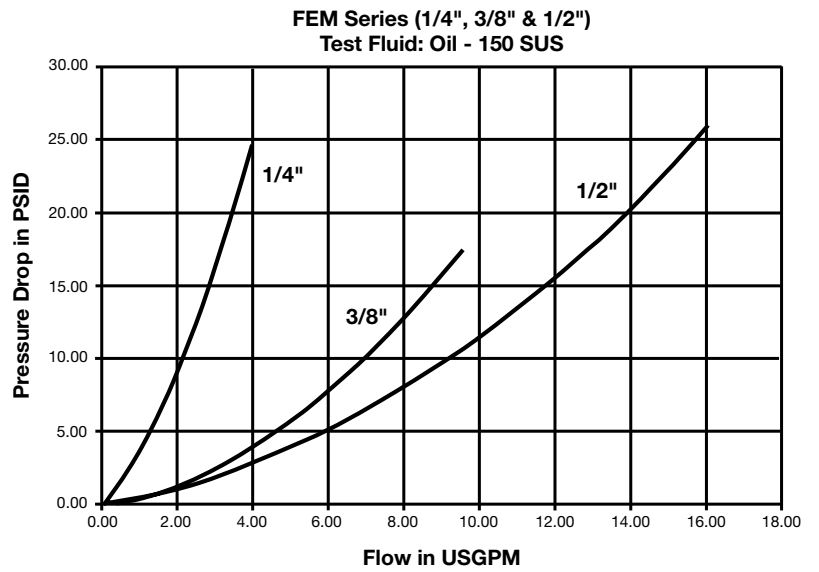
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FEM Series Specifications

Body Size	Rated Pressure (psi)	Rated Flow (gpm)	Temperature Range
1/4	4568	3	-22° to +212°F
3/8	3625	6	
1/2	3625	12	
5/8	3625	20	
3/4	3625	26	
1	2900	50	



Performance



FEM Series PVC Dust Caps



Body Size	Nipple Dust Cap	Coupler Dust Cap
1/4	CFE-252-PN	PFE-251-PN
3/8	CFE-372-PN	PFE-371-PN
1/2	CFE-502-PN	PFE-501-PN
5/8	CFE-622-PN	PFE-621-PN
3/4	CFE-752-PN	PFE-751-PN
1	CFE-1002-PN	PFE-1001-PN

FEM Series Couplers

Body Size	Part Number	Port End	Length (inch)	Coupled Length (inch) (when connected to corresponding nipple)
1/4	FEM-251-4FP-NL	1/4-18 NPSF	1.96	3.98
1/4	FEM-251-6FO-NL	9/16-18 UNF	2.08	4.06
3/8	FEM-371-6FP-NL	3/8-18 NPSF	2.89	4.43
3/8	FEM-371-8FO-NL	3/4-16 UNF	2.89	4.67
1/2	FEM-501-8FP-NL	1/2-14 NPSF	2.96	5.09
1/2	FEM-501-8FO-NL	3/4-16 UNF	2.96	5.09
1/2	FEM-501-10BMF-NL	7/8-14 UNF	4.04	7.24
1/2	FEM-501-10BMS-NL	1-1/4 UNS	4.04	7.24
1/2	FEM-501-10FO-NL	7/8-14 UNF	2.96	5.09
1/2	FEM-501-12FO-NL	1-1/16-12 UNF	3.21	5.59
5/8	FEM-621-12FO-NL	1-1/16-12 UNF	3.70	5.64
3/4	FEM-751-12FP-NL	3/4-14 NPSF	3.95	6.00
3/4	FEM-751-12FO-NL	1-1/16-12 UNF	3.95	6.20
1	FEM-1001-16FP-NL	1-11 1/2 NPSF	4.21	6.79
1	FEM-1001-16FO-NL	1-5/16-12 UNF	4.21	6.79

FEM Series Nipples

Body Size	Part Number	Port End	Length (inch)	Coupled Length (inch) (when connected to corresponding coupler)
1/4	FEM-252-4FP	1/4-18 NPSF	1.71	3.98
1/4	FEM-252-6FO	9/16-18 UNF	1.95	4.06
3/8	FEM-372-6FP	3/8-18 NPSF	2.48	4.43
3/8	FEM-372-8FO	3/4-16 UNF	2.48	4.67
1/2	FEM-502-8FP	1/2-14 NPSF	2.77	5.09
1/2	FEM-502-10BMF	7/8-14 UNF	3.85	7.24
1/2	FEM-502-10BMS	1-14 UNS	3.85	7.24
1/2	FEM-502-10FO	7/8-14 UNF	2.77	5.09
1/2	FEM-502-12FO	1-1/16-12 UN	3.02	5.59
5/8	FEM-622-12FO	1-1/16-12 UN	3.09	5.64
3/4	FEM-752-12FP	3/4-14 NPSF	3.38	6.00
3/4	FEM-752-12FO	1-1/16-12 UN	3.38	6.20
1	FEM-1002-16FP	1-11 1/2 NPSF	3.85	6.79
1	FEM-1002-16FO	1-5/16-12 UN	3.85	6.79

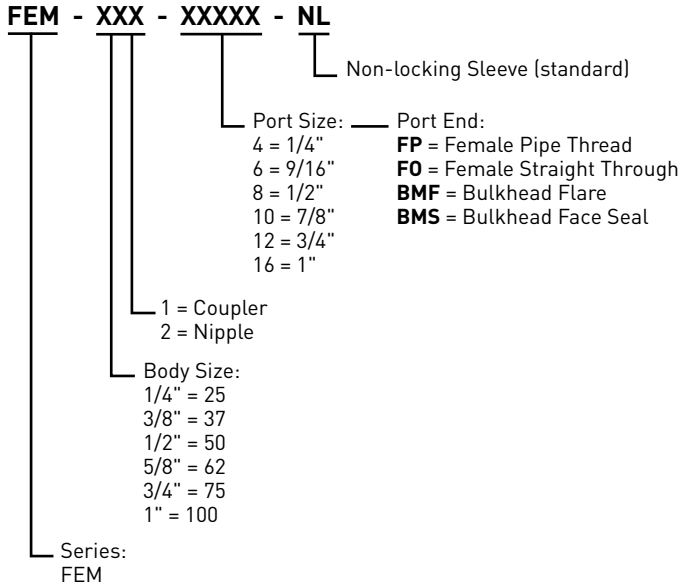
FEC Series Nipples (Connect Under Pressure)

Body Size	Part Number	Port End	Length	Coupled Length (when connected to corresponding coupler)
1/2	FEC-502-8FP	1/2-14 NPSF	3.50	5.82
1/2	FEC-502-10FO	7/8-14 UNF	3.50	5.82
1/2	FEC-502-12FO	1-1/16-12 UNF	3.79	6.36
5/8	FEC-622-12FO	1-1/16-12 UN	3.39	5.94
3/4	FEC-752-12FO	1-1/16-12 UN	3.76	6.58

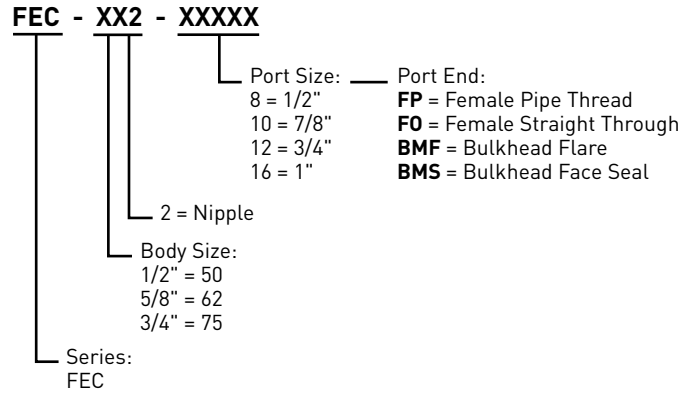
Standard Port Configurations: **FP** - Female Pipe Thread **FO** - Female Straight Thread **BMF** - Bulkhead Flare **BMS** - Bulkhead Face Seal
Contact QCD for availability and additional options.

Ordering Information

Couplers and Nipples



Nipples (Connect under Pressure)



FEM Series product options include:

- Stainless steel material
- Metric port ends
- Locking sleeve
- 90° port
- Seal material options
- Zinc nickel plating

Some options may be non-standard.
 Please contact QCD for availability, price and delivery.



FEM Series 90 Degree Port Option

Body Size	Part Name	Part Number	90 Port End	Length (inch)
1/2	FEM Coupler - 90	FEM-501-C6FO-NL	9/16-18 UNF	3.26
1/2	FEM Coupler - 90	FEM-501-C6FP-NL	3/8-18 NPTF	3.26
1/2	FEM Coupler - 90	FEM-501-C8FO-NL	3/4-16 UNF	3.44
1/2	FEM Nipple - 90	FEM-502-C6FO	9/16-18 UNF	3.08
1/2	FEM Nipple - 90	FEM-502-C6FP	3/8-18 NPTF	3.08
1/2	FEM Nipple - 90	FEM-502-C8FO	3/4-16 UNF	3.26

Contact QCD for availability, price and delivery.

