

# 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.



## Contact Information:

Parker Hannifin Corporation  
**Quick Coupling Division**  
8145 Lewis Road  
Minneapolis, MN 55427

phone 763 544 7781  
fax 763 544 3418  
qcd\_sales@parker.com

[www.parker.com/quickcouplings](http://www.parker.com/quickcouplings)

## 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



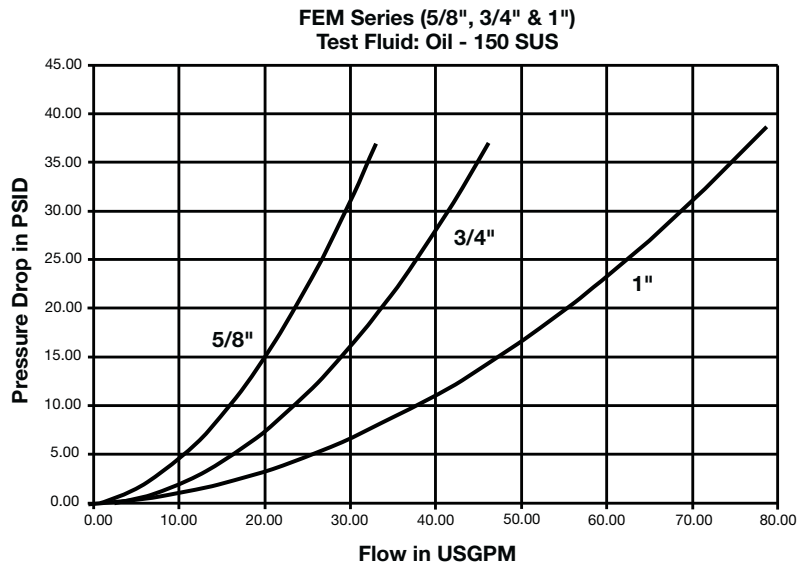
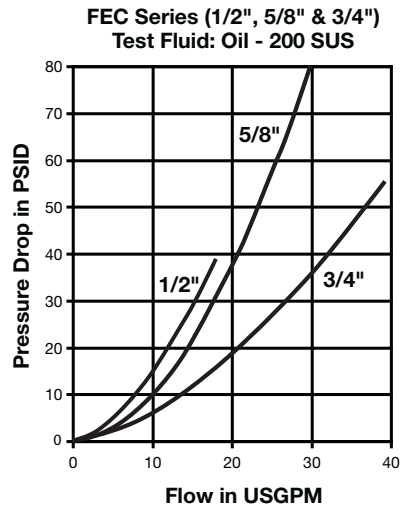
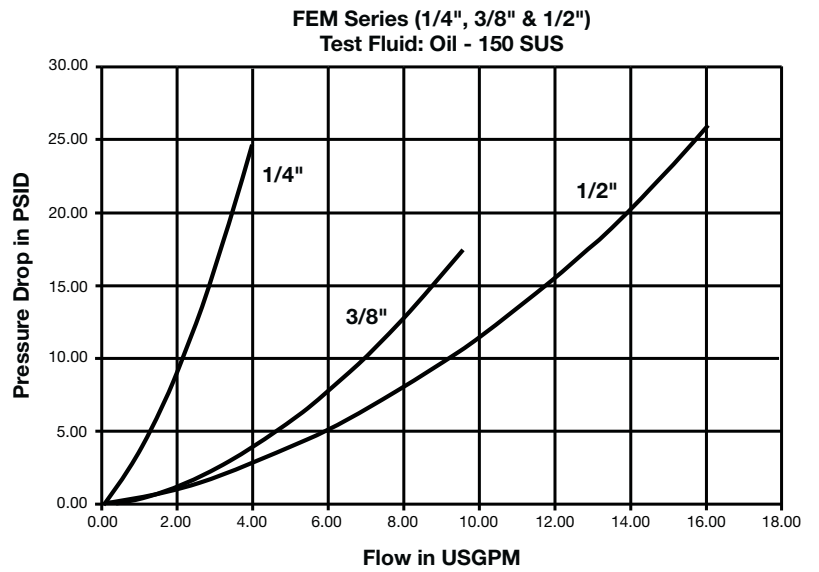
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### FEM Series Specifications

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 NPSF	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

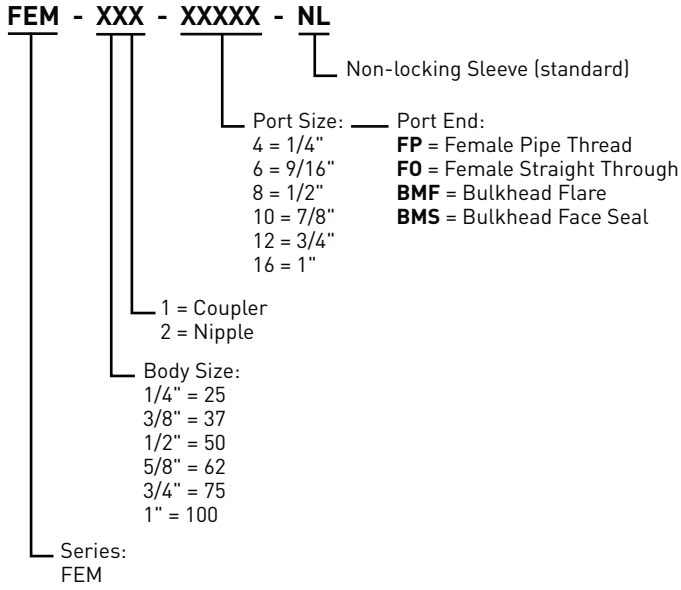
## FEC Series Nipples (Connect Under Pressure)

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

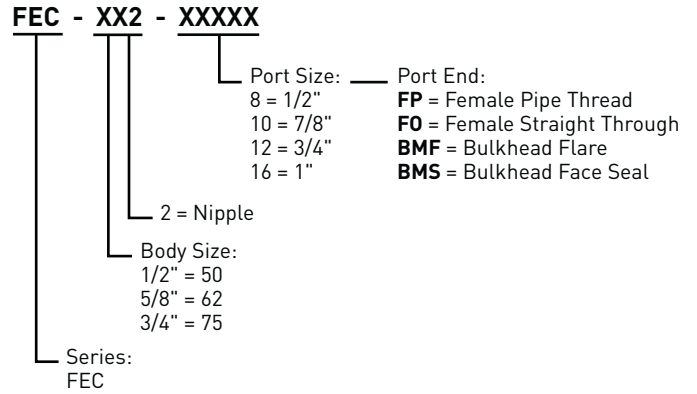
Standard Port Configurations: **FP** - Female Pipe Thread **FO** - Female Straight Thread **BMF** - Bulkhead Flare **BMS** - Bulkhead Face Seal  
Contact QCD for availability and additional options.

## 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.

