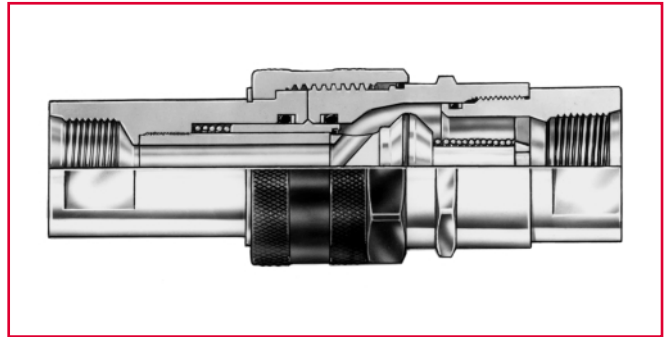
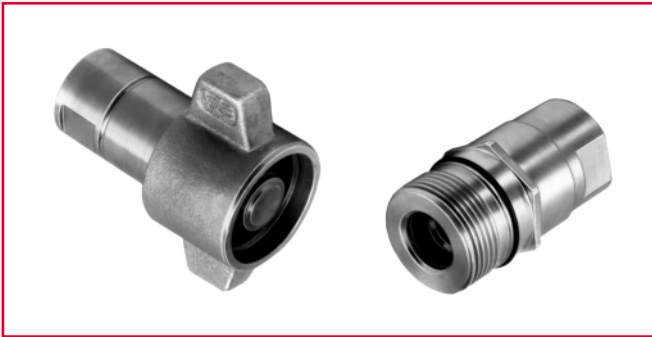


FD86 Series/5,000 PSI Dry Break—High Impulse

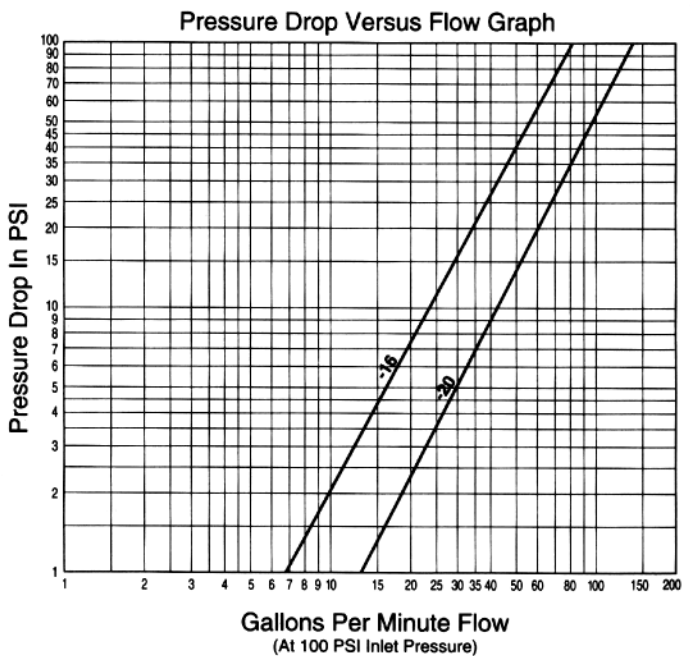


The FD86 Series is a thread together steel coupling offering Dry Break and high impulse technology and capabilities. The maximum operating pressure is 5,000 psi.

- Tubular valve and sleeve construction for low fluid loss and air inclusion.
- Thread together design using wing or hex nut allows connection and disconnection against pressures up to 750 psi. (5,000 psi if pressure is in female half only.)
- Teflon* back-up rings along with secondary metal-to-metal sealing contact provides high impulse capability up to 5,000 psi operating pressure.
- Acme threads prevent galling and provide ease of connection.
- Metal-to-metal sealing withstands +2,000°F for ten minutes with no fluid loss (requirement in California for oil field blow-out preventers).
- Steel flange available for bulkhead mounting.
- Standard seal material – Buna-N.
- Standard body material – Zinc plated steel.

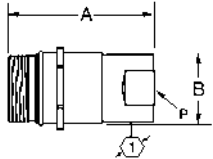
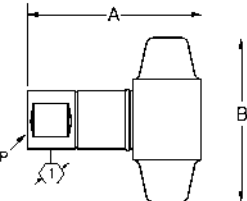
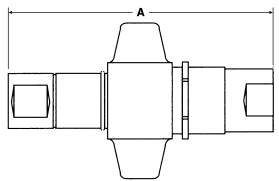
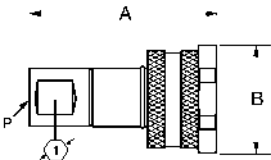
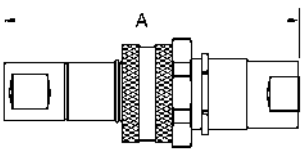
*Teflon is a registered trademark of Dupont.



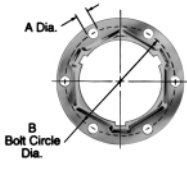
Flow Data



Physical Characteristics

Coupling Size	Maximum Operating Pressure (psi)	Minimum Burst Pressure (psi)	Vacuum (in./Hg.)	Rated Flow (gpm)	Air Inclusion (cc. max.)	Fluid Loss (cc. max.)
-16	5,000	15,000	28	50	2.90	.72
-20	5,000	15,000	28	75	4.61	1.0

FD86 Series	Coupling Size	Thread Size(P)	Dimensional Data			Part Number		
			A	B	ϕ	Buna-N	Viton	EPR
Male Half Female NPTF 	-16	1-11 $\frac{1}{2}$	4.40	2.11	1.75	FD86-1002-16-16	FD86-1040-16-16	FD86-1050-16-16
	-20	1 $\frac{1}{4}$ -11 $\frac{1}{2}$	4.43	2.48	2.25	FD86-1002-20-20	FD86-1040-20-20	FD86-1050-20-20
Female Half Female NPTF/With Wing Nut 	-16	1-11 $\frac{1}{2}$	4.98	4.50	1.62	FD86-1001-16-16	FD86-1039-16-16	FD86-1049-16-16
	-20	1 $\frac{1}{4}$ -11 $\frac{1}{2}$	5.62	5.25	2.00	FD86-1001-20-20	FD86-1039-20-20	FD86-1049-20-20
Complete Coupling Female NPTF/With Wing Nut 	-16	1-11 $\frac{1}{2}$	8.09			FD86-1000-16-16	FD86-1059-16-16	FD86-1055-16-16
	-20	1 $\frac{1}{4}$ -11 $\frac{1}{2}$	8.48			FD86-1000-20-20	FD86-1059-20-20	FD86-1055-20-20
Female Half Female NPTF/With Hex Nut 	-16	1-11 $\frac{1}{2}$	4.98	2.81	1.62	FD86-1004-16-16	FD86-1041-16-16	FD86-1051-16-16
	-20	1 $\frac{1}{4}$ -11 $\frac{1}{2}$	5.62	3.40	2.00	FD86-1004-20-20	FD86-1041-20-20	FD86-1051-20-20
Complete Coupling Female NPTF/With Hex Nut 	-16	1-11 $\frac{1}{2}$	8.09			FD86-1003-16-16	FD86-1060-16-16	FD86-1056-16-16
	-20	1 $\frac{1}{4}$ -11 $\frac{1}{2}$	8.48			FD86-1003-20-20	FD86-1060-20-20	FD86-1056-20-20
Repair Kit	Male Half							
	-16					FF10596-16	FF10597-16	FF10598-16
	-20					FF10596-20	FF10597-20	FF10598-20
	Female Half							
	-16					FF10593-16	FF10594-16	FF10595-16
	-20					FF10593-20	FF10594-20	FF10595-20

FD86 Series	Coupling Dash Size	Dimensional Size		Part Number		
		A	B	Dust Cap with Chain	Dust Plug with Chain	6 Bolt Flange Assembly
Accessories						
Dust Cap With Chain 	Dust Plug With Chain 	-16		FD86-1018-16	FD86-1016-16	
		-20		FD86-1018-20	FD86-1016-20	
6 Bolt Flange Assembly*						
	-16	.19	2.98			FD86-1035-16
	-20	.19	3.50			FD86-1035-20

*6 Bolt Flange-holes equally spaced. (See "A" for bolt hole diameter, and "B" for bolt circle diameter.)



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Specifications subject to change without notice