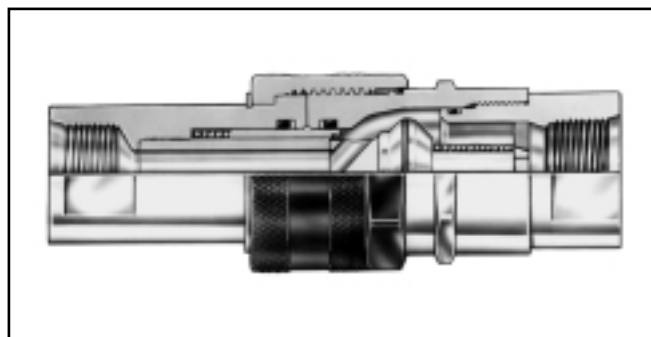
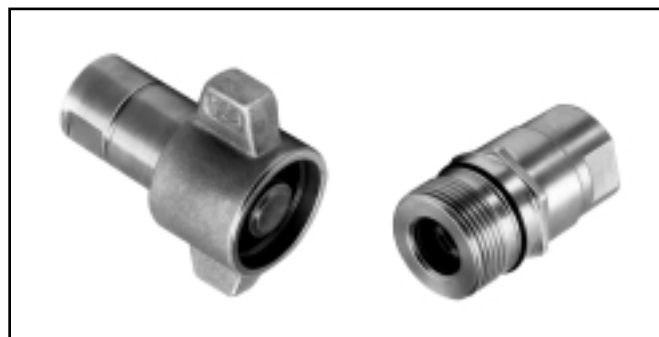
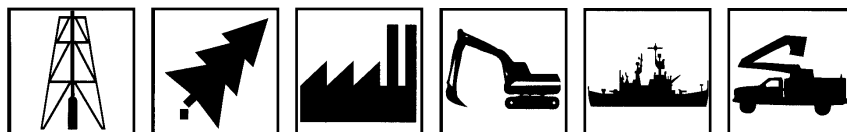




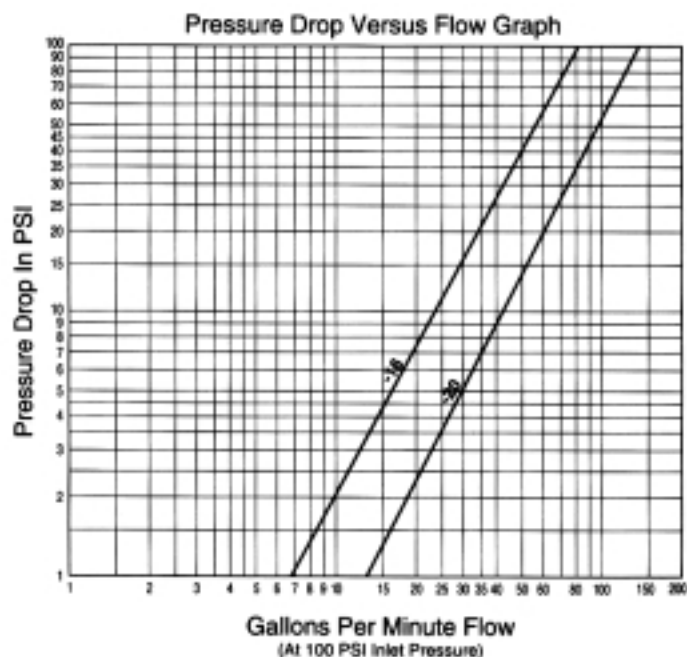
FD86 Series/5,000 PSI DryBreak—High Impulse



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.
- PTFE 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.


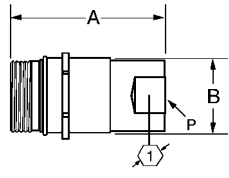
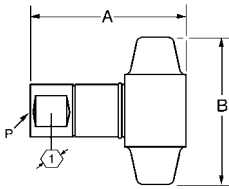
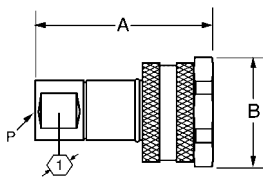
Flow Data



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			Line Ref.	
			A	B		Buna-N	Viton*	EPR		
Male Half Female SAE O-Ring 	-16	1 ⁵ / ₁₆ -12	4.03	2.11	1.75	FD86-1008-16-16	FD86-1043-16-16	FD86-1053-16-16	1	
	-20	1 ⁵ / ₈ -12	4.16	2.48	2.25	FD86-1008-20-20	FD86-1043-20-20	FD86-1053-20-20	2	
										3
										4
										5
										6
										7
										8
Female Half Female SAE O-Ring/With Wing Nut 	-16	1 ⁵ / ₁₆ -12	4.62	4.50	1.62	FD86-1010-16-16	FD86-1044-16-16	FD86-1054-16-16	9	
	-20	1 ⁵ / ₈ -12	5.22	5.25	2.00	FD86-1010-20-20	FD86-1044-20-20	FD86-1054-20-20	10	
										11
										12
										13
										14
										15
										16
Female Half Female SAE O-Ring/With Hex Nut 	-16	1 ⁵ / ₁₆ -12	4.62	2.81	1.62	FD86-1006-16-16	FD86-1042-16-16	FD86-1052-16-16	17	
	-20	1 ⁵ / ₈ -12	5.22	3.40	2.00	FD86-1006-20-20	FD86-1042-20-20	FD86-1052-20-20	18	
										19
										20
										21
										22
										23
										24

*Viton is a DuPont trademark.