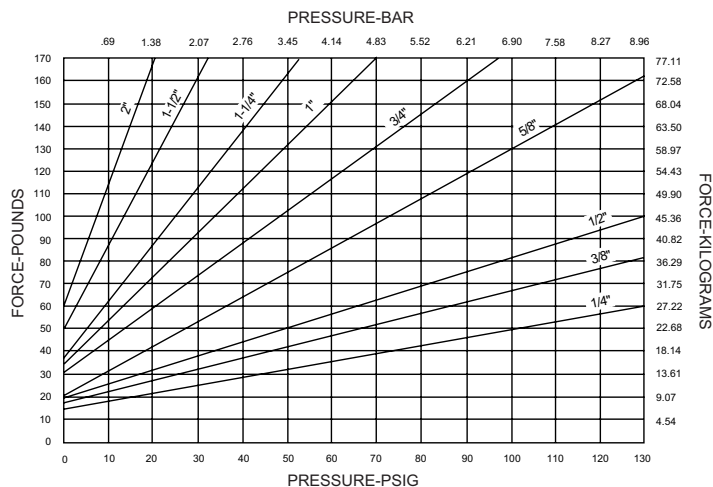
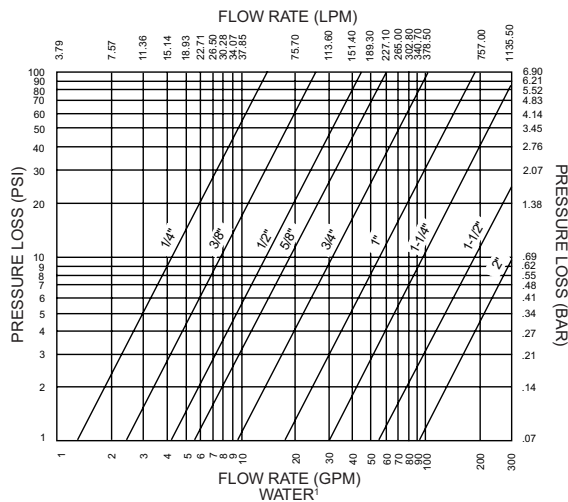


# 28-1 Series Performance Data

## Force to Connect



## Pressure Loss vs. Flow



<sup>1</sup>Pressure loss vs. flow is in water with specific gravity of 1.0. For fluids with sg of .85, multiply by 1.58; for fluids with sg of .83, multiply by 1.60. Temperature 100°F (55°C). Note: Gallons shown are in U.S. gallons.

## Pressure Ratings

Coupling Size	Aluminum Working Pressure		Stainless Steel Working Pressure	
	psig	(bar)	psig	(bar)
1/4	1000	(69)	1000	(69)
3/8	1000	(69)	1000	(69)
1/2	1000	(69)	1000	(69)
5/8	1000	(69)	1000	(69)
3/4	1000	(69)	1000	(69)
1	1000	(69)	1000	(69)
1-1/4	600	(41)	600	(41)
1-1/2	600	(41)	600	(41)
2	600	(41)	600	(41)

Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge and/or vibration may vary these ratings. Proof pressure = 1.5 x working pressure Burst pressure = 2.5 x working pressure

## Air Inclusion on Connect, Spillage on Disconnect

Coupling Size	Air Inclusion*		Spillage	
	in <sup>3</sup>	(cc)	in <sup>3</sup>	(cc)
1/4	.003	(.05)	.001	(.01)
3/8	.011	(.18)	.002	(.03)
1/2	.017	(.28)	.002	(.04)
5/8	.019	(.31)	.008	(.13)
3/4	.029	(.48)	.009	(.15)
1	.049	(.80)	.018	(.30)
1-1/4	.096	(1.57)	.024	(.40)
1-1/2	.122	(2.00)	.043	(.70)
2	.183	(3.00)	.061	(1.00)

\*NOTE: Air inclusion at 0 psig (0 bar) internal pressure; spillage at 15 psig (1 bar) internal pressure.