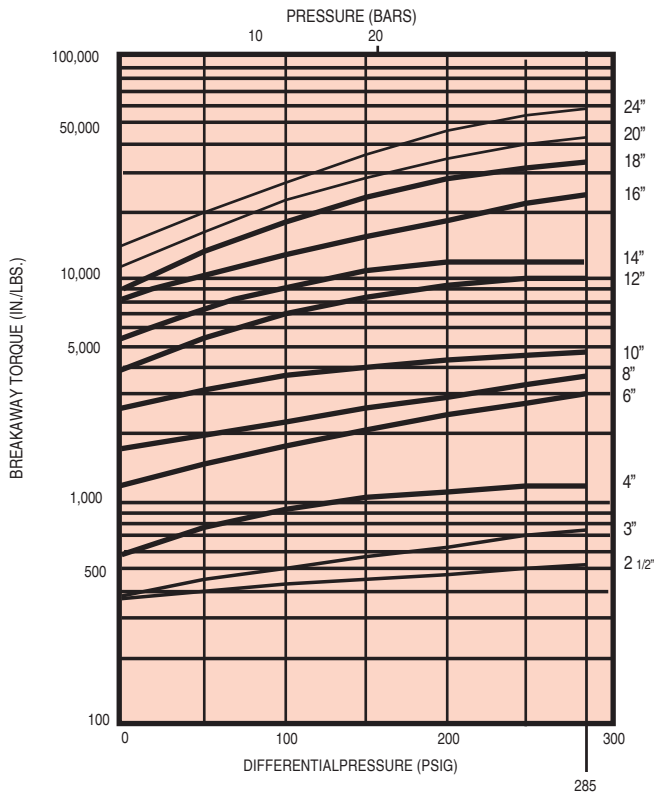


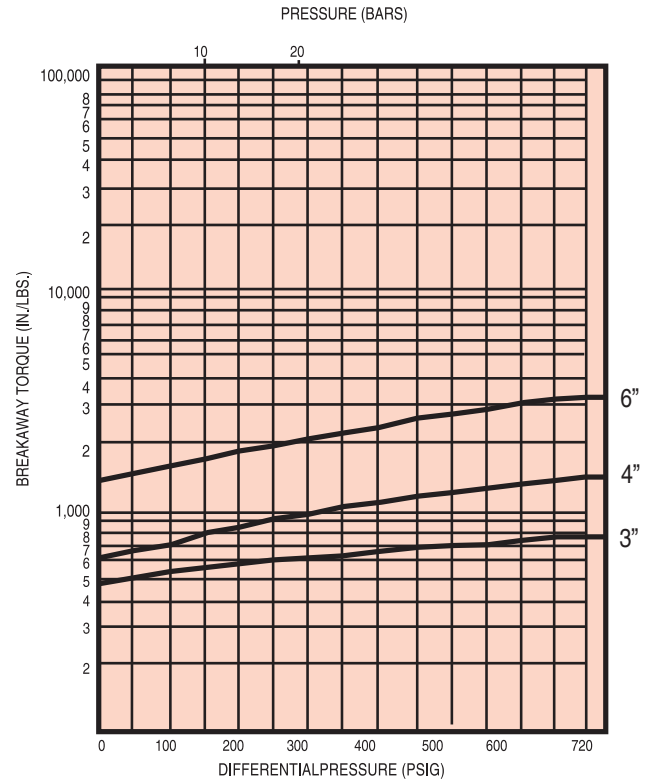
Technical Data

Torque - ANSI Class 150



Note: Torques based on clean service only.
Certain highly viscous or abrasive services could increase these values.

Torque - ANSI Class 300



Note: Torques based on clean service only.
Certain highly viscous or abrasive services could increase these values.

Operating Torque

Firesafe Operating Torque (in-lbs.)									
PSIG	100		200		285		400	600	740
Size (in.)	150#	300#	150#	300#	150#	300#	300#	300#	300#
2 1/2	420	N/A	470	N/A	500	N/A	N/A	N/A	N/A
3	500	500	610	610	720	720	750	775	825
4	900	900	1100	1100	1300	1300	1400	1500	1700
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	1600	1600	2400	2400	3000	3000	3200	3400	3500
8	2300	N/A	2900	N/A	3500	N/A	N/A	N/A	N/A
10	3700	N/A	4400	N/A	4600	N/A	N/A	N/A	N/A
12	7000	N/A	9100	N/A	9900	N/A	N/A	N/A	N/A
14	9000	N/A	12000	N/A	13000				
16	14000	N/A	18000	N/A	24000				
18	18000	N/A	29000	N/A	34000				
20	22000	N/A	36000	N/A	44000				
24	27000	N/A	48000	N/A	60000				

Note: All torques based on clean service without safety factor.