

Seating Torques

Butterfly Valves — Models: 51M, 52M, 53, 58, 65M, 66M 89G

Seating Torques (in. - lbs.)

SIZE	0psi		100psi		200psi	
	WET	DRY	WET	DRY	WET	DRY
2"	130	175	160	220	190	250
2½"	150	200	190	250	225	300
3"	200	275	260	350	300	400
4"	330	450	420	550	450	600
5"	375	500	620	825	675	900
6"	675	900	900	1,200	1,100	1,450
8"	900	1,200	1,200	1,600	1,500	2,000
10"	1,900	2,500	2,250	3,000	2,900	3,800
12"	2,400	3,200	3,400	4,500	4,500	6,000
14"	2,600	3,500	3,800	5,000	5,700	7,600
16"	4,300	5,700	6,000	8,000	8,300	11,000
18"	5,300	7,000	9,000	12,000	12,000	16,000
20"	6,400	8,500	11,000	14,000	16,000	21,000
24"	7,500	10,000	16,000	21,000	19,000	25,000
30"	32,000	42,600	48,000	55,000	50,000	67,500
36"	52,000	69,000	56,000	73,500	67,500	88,800

These seating torque values have no safety factors applied. Wet service is defined as lubricated with a clean, nonabrasive line medium. Dry (gas, air, abrasive) service is defined as non-lubricated conditions. Appropriate safety factors should be applied to these nominal values.

Torque values can vary depending upon temperatures, pressure, line medium and trim materials. Torque values may increase with age.

