



Seating Torques for Series 100 Butterfly Valve (N.m)

SIZE	50PSIΔP		75PSIΔP		100PSIΔP		150PSIΔP		200PSIΔP	
	WET	DRY	WET	DRY	WET	DRY	WET	DRY	WET	DRY
2"	12.3	19.7	12.7	20.3	13.0	20.8	13.9	22.1	15.1	24.2
2.5"	13.0	24.6	13.4	25.4	13.8	26.1	15.4	29.2	17.2	32.7
3"	19.8	37.5	20.5	38.8	21.0	39.9	21.7	41.1	23.1	43.7
4"	31.2	57.1	33.1	60.5	34.9	63.8	37.1	67.8	39.8	72.8
5"	48.9	85.1	51.4	89.4	53.8	93.6	57.9	101	61.9	108
6"	75.9	134	80.2	141	84.5	149	93.9	165	102	174
8"	137	236	145	250	154	264	173	297	192	330
10"	215	365	232	394	249	423	286	486	323	549
12"	314	512	341	559	371	605	429	699	490	799
14"	401	601	434	650	466	699	550	825	625	970
16"	499	748	565	848	632	948	755	1133	846	1307
18"	653	980	742	1113	831	1247	1012	1518	1131	1788
20"	837	1256	965	1448	1093	1639	1350	2026	1431	2308
24"	1309	1963	1494	2241	1679	2519	2111	3166	2301	3711
28"	2788	4213	2898	4362	3008	4511	3269	4903	-	-
30"	3228	4877	3355	5050	3482	5222	3785	5677	-	-
32"	3668	5548	3814	5744	3959	5939	4304	6456	-	-
36"	4586	6879	4768	7121	4949	7363	5252	7879	-	-
40"	7781	11671	8070	12105	8359	12539	8917	13377	-	-
42"	8878	13349	9208	13825	9538	14300	10193	15291	-	-
44"	10115	15172	10491	15740	10867	16301	11592	17390	-	-
48"	10911	16434	11317	17010	11723	17585	12544	18816	-	-

Seating Torque for Series 200 Butterfly Valve (N.m)

SIZE	50PSIΔP		100PSIΔP		200PSIΔP	
	WET	DRY	WET	DRY	WET	DRY
2"	13.5	21.7	14.3	23.0	16.6	26.6
2.5"	14.3	27.1	15.2	28.7	18.9	35.9
3"	21.7	41.2	23.2	43.9	25.3	48.1
4"	34.3	62.7	38.4	70.2	43.7	80.0
5"	53.8	93.5	59.2	103.0	68.1	119.1
6"	83.5	146.8	93.0	163.6	112.6	191.4
8"	150.8	259.3	169.0	290.8	210.7	362.5
10"	236.2	401.5	273.5	464.9	354.8	603.2
12"	345.4	562.9	408.2	665.4	538.7	878.1
14"	441.0	661.0	512.6	768.9	687.0	1067.0
16"	548.9	822.8	695.0	1042.8	930.6	1438.0



Seating Torques for Series 400 Butterfly Valve (N.m)

SIZE	50PSIΔP		100PSIΔP		200PSIΔP	
	WET	DRY	WET	DRY	WET	DRY
1-1/2"	18.4	29.4	19.4	31.3	23.0	36.2
2"	23.0	36.8	24.3	39.1	28.2	45.2
2-1/2"	27.0	46.1	35.0	48.8	32.1	61.0
3"	36.9	70.0	39.4	74.6	43.0	81.8
4"	58.3	107	65.3	119.3	74.3	136
5"	91.5	159	100.6	175	116	202
6"	142	250	158	278	191	325
8"	256	441	287	494	358	617
10"	402	683	465	790	603	1026
12"	588	957	694	1132	916	1493

Seating Torques for Series 600 Flanger Butterfly Valve (N.m)

SIZE		0.6MPa ΔP	1.0MPa ΔP	1.6MPa ΔP
in	DN			
4"	100	55	70	240
6"	150	121	175	340
8"	200	190	328	574
10"	250	290	545	847
12"	300	490	894	1358
14"	350	804	1269	1905
16"	400	1074	1534	2528
18"	450	1328	2252	3508
20"	500	1650	2694	4329
24"	600	2489	4270	7396
28"	700	3640	6425	9873
32"	800	5143	8033	13765
36"	900	6950	11877	19398
40"	1000	9187	15630	22626
48"	1200	18632	22688	33920
56"	1400	22887	27762	63639
64"	1600	26897	36978	93256

NOTE: (1) For Series 100/200 butterfly valve, Seat material NBR or EPDM, for PTFE seats multiply the numbers shown by 2.0.

(2) ΔP standard disc differential pressure.

(3) The torque values shown on above charts are for wet (water and other non-lubricating media) and dry (non-lubricating, dry gas media) service. For torques involving other media, please consult the factory.

(4) There is no safety factor included in the numbers shown on these charts. For actuator sizing, VIZA recommends that these values be multiplied by 1.3 for single valve applications.