

**SERIES 1000 Butterfly Valve
 Engineering Technical Manual**

LUBRICIOUS SERVICE; OIL (.7 Application Factor)						
SIZE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE
IN	0-PSI	50-PSI	100-PSI	150-PSI	200-PSI	250-PSI
2	81	87	94	100	107	114
2.5	105	115	126	136	146	157
3	122	137	152	167	182	197
4	189	218	248	277	307	336
5	312	367	422	477	533	588
6	410	489	569	648	728	807
8	1,092	1,257	1,422	1,587	1,752	1,917
10	1,848	2,180	2,511	2,843	3,174	3,506
12	2,100	2,577	3,055	3,532	4,010	4,487

WATER; NON CORROSIVE DISC EDGE (1.0 Application Factor)						
SIZE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE
IN	0-PSI	50-PSI	100-PSI	150-PSI	200-PSI	250-PSI
2	115	122	128	135	142	148
2.5	150	160	171	181	191	202
3	175	190	205	220	235	250
4	270	299	329	358	388	417
5	445	500	556	611	666	721
6	585	665	744	824	903	983
8	1,560	1,725	1,890	2,055	2,220	2,385
10	2,640	2,972	3,303	3,635	3,966	4,298
12	3,000	3,477	3,955	4,432	4,910	5,387

DRY SERVICE; AIR (2.5 Application Factor)						
SIZE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE	TORQUE
IN	0-PSI	50-PSI	100-PSI	150-PSI	200-PSI	250-PSI
2	288	294	301	307	314	321
2.5	375	385	396	406	416	427
3	438	452	467	482	497	512
4	675	704	734	763	793	822
5	1,113	1,168	1,223	1,278	1,334	1,389
6	1,463	1,542	1,622	1,701	1,781	1,860
8	3,900	4,065	4,230	4,395	4,560	4,725
10	6,600	6,932	7,263	7,595	7,926	8,258
12	7,500	7,977	8,455	8,932	9,410	9,887

- Note:**
1. Torque is in "IN-LB"
 2. PSI is the line pressure