

Elite High Performance Butterfly Valve

CLASS 300 SEATING/UNSEATING TORQUES

SIZE		SOFT SEAT					FIRE SAFE SEAT(NACE)					
inch	mm	150 psi	300 psi	400 psi	500 psi	740 psi	150 psi	300 psi	400 psi	500 psi	740 psi	
2	50	lbf.in	265	311	345	380	460	690	782	840	897	1,035
		N.M	30	35	39	43	52	78	88	95	101	117
2.5	65	lbf.in	311	368	403	437	518	748	840	909	978	1,127
		N.M	35	42	46	49	59	85	95	103	111	127
3	80	lbf.in	345	414	472	518	633	943	1,093	1,185	1,289	1,519
		N.M	39	47	53	59	72	107	124	134	146	172
4	100	lbf.in	575	725	817	920	1,151	1,151	1,346	1,473	1,599	1,898
		N.M	65	82	92	104	130	130	152	166	181	215
5	125	lbf.in	782	1,035	1,197	1,369	1,772	1,680	2,117	2,416	2,715	3,417
		N.M	88	117	135	155	200	190	239	273	307	386
6	150	lbf.in	1,104	1,553	1,852	2,151	2,876	2,416	2,968	3,348	3,716	4,602
		N.M	125	176	209	243	325	273	335	378	420	520
8	200	lbf.in	2,094	2,796	3,256	3,716	4,832	4,372	5,488	6,224	6,961	8,744
		N.M	237	316	368	420	546	494	620	703	787	988
10	250	lbf.in	3,279	4,590	5,476	6,351	8,456	6,098	7,766	8,882	9,986	12,656
		N.M	371	519	619	718	956	689	878	1,004	1,128	1,430
12	300	lbf.in	4,602	6,500	7,766	9,043	12,080	8,859	11,286	12,909	14,519	18,408
		N.M	520	735	878	1,022	1,365	1,001	1,275	1,459	1,641	2,080
14	350	lbf.in	7,766	11,793	14,473	17,154	23,585	12,656	17,476	20,697	23,919	31,639
		N.M	878	1,333	1,635	1,938	2,665	1,430	1,975	2,339	2,703	3,575
16	400	lbf.in	10,872	15,417	18,454	21,480	28,763	16,452	21,629	25,081	28,532	36,816
		N.M	1,229	1,742	2,085	2,427	3,250	1,859	2,444	2,834	3,224	4,160
18	450	lbf.in	15,187	21,123	25,081	29,039	38,542	22,435	31,213	37,058	42,914	56,950
		N.M	1,716	2,387	2,834	3,281	4,355	2,535	3,527	4,187	4,849	6,435
20	500	lbf.in	20,364	27,624	32,456	37,288	48,896	30,833	44,352	53,360	62,369	83,987
		N.M	2,301	3,121	3,667	4,213	5,525	3,484	5,012	6,029	7,047	9,490
24	600	lbf.in	32,214	45,180	52,773	60,367	78,809	45,445	66,062	79,810	93,559	126,555
		N.M	3,640	5,105	5,963	6,821	8,905	5,135	7,465	9,018	10,572	14,300

■ Torques shown include 30% safety factor .

■ All torque values in the table are for the wet media. If the media is dry, the torque should be 20%~30% greater than the figure in the table.

Elite Series 400

2022.08.05