



CLASS 150 High Performance Butterfly Valve Series Torques
Seating torque : Figure in torque chart
Un - seating torque : 95% of seating torque
Running torque (Teflon packing) : 40% of Seating torque
Running torque (Graphite packing) : 43% of Seating torque

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CLASS 150 BUTTERFLY VALVE SERIES HP - SEATING / UNSEATING TORQUES(inch/lbs)												
SIZE	SOFT SEAT				METAL SEAT				FIRE SAFE SEAT			
inch	72 PSI	145 PSI	218 PSI	285 PSI	72 PSI	145 PSI	218 PSI	285 PSI	72 PSI	145 PSI	218 PSI	285 PSI
2	283	303	337	360	633	669	705	741	610	644	667	702
2.5	303	326	360	382	705	753	789	836	644	679	713	748
3	315	348	382	416	777	812	848	884	752	797	823	859
4	405	472	551	618	1040	1111	1195	1267	920	978	1024	1082
5	585	697	809	922	1290	1362	1434	1506	1070	1231	1392	1487
6	821	967	1113	1259	1517	1637	1756	1876	1469	1593	1708	1823
8	1405	1574	1742	1911	2294	2569	2844	3119	2221	2531	2761	3080
10	1967	2248	2529	2810	3405	4003	4540	5138	2531	2992	3452	3912
12	2473	3091	3766	4440	4301	5556	6870	8125	3222	4200	5178	6156
14	4215	5339	6519	7644	7647	10037	12426	14816	5638	7421	9205	10988
16	5283	7081	8880	10678	9559	12606	15653	18699	7019	9320	11621	13922
18	6969	9667	12364	15062	14099	18401	22702	27004	9895	12944	15993	19042
20	8273	12870	16467	20064	17564	23837	30110	36383	11333	15360	19388	23415
22	12927	16861	20795	24729	20850	28318	35786	43254	15878	21689	27557	33367
24	15624	20682	25741	30799	26287	34651	43015	51379	20711	27327	33949	40559
26	17985	24448	30911	37375	31783	42537	53290	64044	25083	33252	41422	49591
28	21020	28663	36307	43950	40266	53111	65956	78800	31756	42112	52467	62823
30	26415	33721	41028	48334	44807	58548	72289	86029	35208	46254	57300	68345
32	31473	41590	51706	61822	51976	67808	83640	99471	41076	53848	66620	79391
34	35969	47941	59912	71883	63686	85790	107895	130000	50051	66735	83418	100102
36	41590	55359	69129	82898	74917	99770	124623	149476	58680	78241	97801	11736 1
38	48334	64071	79807	95544	86029	11530 3	144577	173851	66735	88999	111263	133527
40	57326	75873	94420	11296 7	96783	128447	160110	191774	74789	10102	125415	150728
42	61822	82055	102288	122521	108134	140992	173851	206709	83994	109882	135771	161659
44	66319	87676	109032	130389	129044	163097	197150	231204	101253	127831	154410	180989
46	71939	97792	123645	149498	152941	188786	224632	260478	11736 1	146126	174891	203656
48	80931	109875	138820	167764	173791	212922	252054	291185	133469	164996	196522	228048

■ **Above torque includes 30% safety factor** for actuator sizing but may vary with the seat material.

This figure is based on the following seat material - Soft seat : PTFE & RTFE(Class 600 : MTFE) , Soft Seat : Teflon (PTFE, RTFE, MTFE, etc) / Metal Seat : SS316 / Fire safe seat : Teflon + SS316

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