



CLASS 600 Butterfly Valve Series & HP

Seating/ Unseating Torques

Doc No. :
SUT-100114-3 Rev.
No. : 1

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CLASS 600 BUTTERFLY VALVE SERIES HP - SEATING / UNSEATING TORQUES(inch/lbs)															
SIZE	SOFT SEAT					METAL SEAT					FIRE SAFE SEAT				
inch	508 psi	798 psi	1088 psi	1233 psi	1440 psi	508 psi	798 psi	1088 psi	1233 psi	1440 psi	508 psi	798 psi	1088 psi	1233 psi	1440 psi
3	719	888	1057	1135	1293	1338	1637	1948	2103	2390	1277	1553	1841	1979	2244
4	1090	1461	1821	2012	2360	2820	3680	4552	4983	5795	1818	2347	2876	3141	3636
6	1978	2608	3248	3563	4159	5198	7348	9499	10574	12618	3601	4913	6225	6881	8123
8	3451	4732	6014	6654	7868	7982	11208	14434	16047	19118	6271	8894	11517	12829	15326
10	5620	7587	9554	10510	12364	12307	16608	20910	23061	27123	10816	14843	18870	20883	24680
12	8262	11128	13938	15343	18041	22642	29931	37220	40864	47794	16396	22149	27902	30778	36244
14	13994	18434	22874	25122	29338	29453	39609	49766	54844	64522	23875	31929	39983	44010	51662
16	17648	23380	29113	31979	37375	37399	50124	62849	69182	81250	29168	39063	48958	53905	63283
18	24729	32373	40016	43838	51088	48571	66374	84177	93079	109986	38833	53330	67828	75076	88826
20	32316	42433	52549	57607	67218	73483	100726	127969	141590	167458	54711	72833	91012	100102	117361
24	51425	68286	85146	93577	109594	113810	155151	196493	217164	256415	78356	105682	132952	146644	172590

■ 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

0	2-12-25	First Issue	AC		
Rev. No.	Date	Description	Prepared	Checked	Approved

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