

OPERATING TORQUE

API 609 Resilient Seat Concentric Class 150 Butterfly Valve Torque Table						
SIZE	Tongue and Groove Soft Seat (ibf.in)					
	EPDM		NBR		FKM	
	145 psi	230 psi	145 psi	230 psi	145 psi	230 psi
2	80	89	89	98	107	116
2.5	133	151	151	169	178	195
3	186	231	204	257	239	301
4	328	381	363	416	425	496
5	505	576	558	638	655	753
6	832	912	912	1001	1080	1187
8	1514	1824	1664	2010	1965	2373
10	2337	2647	2567	2912	3036	3444
12	3559	3691	3913	4063	4630	4798
14	4594	6922	5054	7612	5975	9002
16	6701	10834	7373	11914	8710	14082
18	9329	13392	10259	14729	12126	17410
20	12569	16632	13826	18296	16339	21623
24	19260	29943	21190	32935	25040	38927
28	27987	37015	30784	40715	36387	48123
30	35210	47999	38732	52797	45778	62400
32	42432	58984	46672	64878	55160	76677
36	57559	73428	63312	80775	74827	95459

NOTE: 1. Torque above are measured with water media under above-listed pressure.
2. Torque excluding the recommended 30% safety factor

DESCRIPTION: Torque Table - Resilient Seated BFV	DATE: 04.29.24	DWG: TS-TD0002-A
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