

## BUTTERFLY VALVE DATA



SEATING TORQUE for Series 200 Butterfly Valve (N.m)						
SIZE	50PSIΔP		100PSIΔP		200PSIΔP	
	WET	DRY	WET	DRY	WET	DRY
2"	13.5	21.7	14.3	23.0	16.6	26.6
2.5"	14.3	27.1	15.2	28.7	18.9	35.9
3"	21.7	41.2	23.2	43.9	25.3	48.1
4"	34.3	62.7	38.4	70.2	43.7	80.0
5"	53.8	93.5	59.2	103.0	68.1	119.1
6"	83.5	146.8	93.0	163.6	112.6	191.4
8"	150.8	259.3	169.0	290.8	210.7	362.5
10"	236.2	401.5	273.5	464.9	354.8	603.2
12"	345.4	562.9	408.2	665.4	538.7	878.1

**NOTE:** For Series 200 Butterfly Valve

(1) Seat material NBR or EPDM, ΔP standard disc differential pressure.

(2) The torque values shown on above charts are for wet (water and other non-lubricating media) and dry (non-lubricating, dry gas media) service. For torques involving other media, please contact us.

(3) There is no safety factor included in the numbers shown on these charts. For actuator sizing, we recommend that these values be multiplied by 1.2 for single valve applications.

(4) For PTFE seats multiply the numbers shown by 2.

ACTUATOR TORQUES for Series 450 Butterfly Valve (N.m)															
SIZE	1.5"	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	<b>Torque</b>	40	50	65	80	100	125	150	200	250	300	350	400	450	500
	50	90	120	160	200	250	350	500	750	1000	1500	1900	2500	3500	6000

TEMPERATURES		
Part Name	Material	TEMPERATURE (°C)
Liner for Series 200 / 400 Butterfly Valves	Buna-N (NBR)	-12 to 82
	Buna-N, Food Grade	-12 to 82
	EPDM	-35 to 121
	EPDM, Food Grade	-35 to 107
	EPDM, Heat-Resistant	-2 to 150
	Viton	-12 to 135
	Viton, High Temperature	-12 to 204
	Neoprene	-7 to 93
	Hypalon	-18 to 135
	Silicon	-57 to 218
	PTFE over EPDM	-29 to 121
	Pure PTFE	-74 to 204