

**TORQUE TABLE FOR GENERAL SERVICE - VAMEIN**

NOMINAL DIAMETER		WORK PRESSURE →	10 bar	16 bar	150 p.s.i.	225 p.s.i.
mm	Inches	UNITS →	N-m	N-m	Lbs x Inch.	Lbs x Inch.
50	2"	TORQUES →	15	15	133	133
65	2 1/2"		20	20	177	177
80	3"		25	25	221	221
100	4"		40	40	354	354
125	5"		50	50	443	443
150	6"		60	60	531	531
200	8"		160	160	1.416	1.416
250	10"		250	250	2.213	2.213
300	12"		300	300	2.655	2.655
350	14"		900	1.350	7.965	11.948
400	16"		1.200	1.800	10.620	15.930
450	18"		1.650	2.400	14.603	21.240
500	20"		2.300	3.500	20.355	30.975
600	24"		4.100	6.150	36.285	54.428
650	26"		4.800	7.200	42.480	63.720
700	28"		5.500	8.250	48.675	73.013
750	30"		6.500	9.500	57.525	84.075
800	32"		8.100	12.150	71.685	107.528
900	36"		10.000	15.000	88.500	132.750
1.000	40"		13.500	20.000	119.475	177.000
1.050	42"	14.200	21.300	188.505	125.670	
1.100	44"	15.000	22.000	132.750	194.700	
1.200	48"	16.500	24.500	146.025	216.825	
1300	52"	18.000		159.300		
1400	56"	19.500		172.575		
1500	60"	21.000		185.850		
1600	64"	23.000		203.550		
1800	72"	27.000		238.950		
2000	80"	30.000		265.500		

**N.B:** Torques listed in the above table are for guidance only and have been calculated for a constant working pressure and conditions. Torques valid for "VAMEIN" butterfly valves with synthetic EPDM or NITRILE rubber seats and water at ambient temperature (20° C approx.). As torques shown in this table were obtained on static testing bench it is necessary to take into account the dynamic conditions of the fluid for every specific line (velocity, flow, cavitation, hydraulic factors, etc) for the hydrodynamic stress created by the flow on the valve disc. The **VAMEIN** butterfly valve is designed to work with fluids, which act like lubricants. For air or gas service, torques are considerably higher, at least 35 %. In this case, please contact our Technical Department to analyze the situation. For Nominal Diameters bigger than those specified in the table, contact our Technical Department.  
Safety factor included in these torque figures.



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