

Standard Torque values in Nm for liquids

The torque of a valve depends on the operating conditions and the properties of the fluid, the surface quality of the disc and the material of the seal. The following torque values apply to:

- Seals in EPDM (M01) and NBR (M07)
- Neutral liquids without solid particles with a density of about 1
- The fluid does not contain any chemicals or impurities that could increase the friction between disc and seal
- Temperature of the fluid in the range of +20°C to +80°C
- At least two openings and closings per month
- Flow velocity in the pipe not more than 4 m/s



DN [mm]	Inch	Nm according to pressure rate pmax.			
		3 bar	6 bar	10 bar	16 bar
40	1½"	5	6	9	15
50	2"	5	7	13	17
65	2½"	15	16	20	25
80	3"	17	20	23	28
100	4"	22	29	42	50
125	5"	39	46	72	85
150	6"	48	75	90	110
200	8"	90	120	140	215
250	10"	126	210	270	350
300	12"	161	270	390	560
350	14"	245	300	500	950
400	16"	520	600	700	1'000
450	18"	590	1'120	1'450	1'950
500	20"	840	1'390	1'800	2'500
600	24"	1'000	2'200	3'450	3'800
700	28"	1'650	3'300	5'000	5'860
750	30"	1'800	3'500	5'500	6'000
800	32"	2'300	4'600	6'500	9'500
900	36"	4'700	6'800	8'500	11'500
1000	40"	6'500	8'500	11'500	15'000
1100	44"	7'000	9'000	12'000	16'000
1200	48"	8'500	12'000	15'500	22'000

Standard Optional

Standard torque values in Nm for dry and gaseous media

The torque of a valve depends on the operating conditions and the properties of the fluid. The following torques apply to:

- All seals
- Dry air, gases and non-hardening powders
- Temperature of the fluid in the range of -20°C to +200°C depending on seal material
- At least two openings and closings per month
- Flow velocity in the pipe not more than 4 m/s



DN [mm]	Inch	Nm according to pressure rate pmax.			
		3 bar	6 bar	10 bar	16 bar
40	1½"	8	9	14	23
50	2"	8	11	20	27
65	2½"	23	25	31	39
80	3"	27	31	36	44
100	4"	34	45	66	78
125	5"	61	72	112	133
150	6"	75	117	140	172
200	8"	140	187	218	335
250	10"	197	328	421	546
300	12"	251	421	608	874
350	14"	382	468	780	1482
400	16"	811	936	1092	1560
450	18"	920	1747	2262	3042
500	20"	1310	2168	2808	3900
600	24"	1560	3432	5382	5928
700	28"	2574	5148	7800	9142
750	30"	2808	5460	8580	9360
800	32"	3588	7176	10140	14820
900	36"	7332	10608	13260	17940
1000	40"	10140	13260	17940	23400
1100	44"	10920	14040	18720	24960
1200	48"	13260	18720	24180	34320

Standard
 Optional