

Torques Flow coefficient Kvs

Torques full bore DN8 – DN100 [Nm]

DN	Working pressure					Flow coefficient Kvs [m³/h]
	0 bar	25 bar	40 bar	63 bar	125 bar	
8	5,5	5,9	6,5	7	7,5	4
10	5,5	5,9	6,5	7	7,5	6
15	9	9,4	10	10,5	11	15
20	12	12,4	13	13,5	14,5	27
25	14	14,6	15,4	16,5	18,5	47
32	18	18,8	20	21	23	80
40	20	21,4	23,5	26	29,5	118
50	35	39	45	51	58	219
65	75	84	97	125	-	370
80	90	100	116	150	-	581
100	135	151	175	225	-	956

Torques reduced bore DN15 – DN150 [Nm]

DN	Working pressure					Flow coefficient Kvs [m³/h]
	0 bar	25 bar	40 bar	63 bar	125 bar	
15	5,5	5,9	6,5	7	7,5	6
20	9	9,4	10	10,5	11	15
25	12	12,4	13	13,5	14,5	27
32	14	14,6	15,4	16,5	18,5	47
40	18	18,8	20	21	23	80
50	20	21,4	23,5	26	29,5	118
65	35	39	45	51	58	219
80	75	84	97	125	-	370
100	90	100	116	150	-	581
150	135	151	175	225	-	956

Torques refer to ball valves with seats made of PTFE, PTFE/glass or PTFE/carbon.

For ball valves with PEEK seats, the specified torques must be increased by the factor 1,5.

The mentioned values are breakaway torques, based on medium water at ambient temperature.

The breakaway torques may vary acc. to medium, temperature and frequency of operations.

The Kvs values refer to ball valves with short welding ends.

Subject to changes