

FLOW RATE

for Ball Valves INTEC

face to face dimensions acc. to EN 558, GR.1/GR.27/GR.107

DN	Through port [mm]	FTF length [mm]	Zeta	K _{vs} [m³/h]	cv [gal/min]
Ball Valves INTEC DN15-DN100, EN 558, GR.1					
15	15	130	0.125	25	29
20	20	150	0.102	49	57
25	25	160	0.084	85	99
32	31	180	0.070	140	164
40	40	200	0.060	258	302
50	50	230	0.053	430	503
65	65	290	0.049	755	883
80	77	310	0.043	1,135	1,328
100	100	350	0.036	2,105	2,463
Ball Valves INTEC DN15-DN500, EN 558, GR.27					
15	15	115	0.111	27	32
20	20	120	0.082	56	66
25	25	125	0.065	97	113
32	31	130	0.053	167	195
40	40	140	0.042	312	365
50	50	150	0.035	538	629
65	65	170	0.029	995	1,164
80	77	180	0.025	1,500	1,755
100	100	190	0.019	2,866	3,353
125	125	325	0.026	3,885	4,545
150	150	350	0.023	5,990	7,008
200	200	400	0.019	11,740	13,736
250	250	450	0.016	19,600	22,932
300	300	500	0.015	29,600	34,632
350	335	550	0.014	37,600	43,992
400	385	762	0.017	45,600	53,352
500	487	914	0.016	76,000	88,920
Ball Valves INTEC DN15-DN80, EN 558, GR.107					
15	15	50	0.048	41	48
20	20	50	0.034	86	101
25	25	60	0.031	141	165
32	31	65	0.026	237	277
40	40	80	0.024	413	483
50	50	95	0.022	677	792
65	65	110	0.019	1,240	1,451
80	77	145	0.020	1,672	1,956

Zeta = The pressure loss coefficient Zeta-Value is a dimensionless measure of the pressure loss in a flow-through component, such as a ball valve.

K_{vs} = The pressure loss Kvs-value corresponds to the water flow through a fully open valve, with a pressure loss of 1 bar and a water temperature of 5 - 30°C.

cv = The pressure loss cv-value corresponds to the water flow through a fully open valve, with a pressure loss of 1 PSI and a water temperature of 5 - 30°C.