FLOW RATE

for Ball Valves INTEC
face to face dimensions acc. to ANSI B 16.10, Class 150/Class 300

NPS	Through port [mm]	FTF length [mm]	Zeta	K_{VS} [m³/h]	cv [gal/min]
Ball Valves INTEC NPS ½“ - NPS 20“, ANSI B 16.10, Class 150					
½“	15	108	0.104	27	32
¾“	20	117	0.080	56	66
1“	25	127	0.066	96	112
1 ¼“	31	140	0.057	159	186
1 ½“	40	165	0.049	285	333
2“	50	178	0.041	489	572
2 ½“	65	190	0.032	940	1,100
3“	77	203	0.028	1,410	1,650
4“	100	229	0.024	2,610	3,054
6“	150	394	0.025	5,650	6,611
8“	200	457	0.021	10,960	12,823
10“	250	533	0.019	18,000	21,060
12“	300	610	0.018	26,900	31,473
14“	335	686	0.018	33,680	39,406
16“	385	762	0.017	45,600	53,352
20“	487	914	0.016	76,000	88,920
Ball Valves INTEC NPS ½“ - NPS 20“, ANSI B 16.10, Class 300					
½“	15	140	0.135	24	28
¾“	20	152	0.104	49	57
1“	25	165	0.086	84	98
1 ¼“	31	178	0.072	141	165
1 ½“	40	190	0.057	265	310
2“	50	216	0.050	444	519
2 ½“	65	241	0.041	830	971
3“	77	282	0.039	1,190	1,392
4“	100	305	0.031	2,262	2,647
6“	150	403	0.026	5,580	6,529
8“	200	502	0.023	10,480	12,262
10“	250	568	0.020	17,480	20,452
12“	300	648	0.019	26,100	30,537
14“	335	762	0.020	31,950	37,382
16“	385	838	0.019	43,500	50,895
20“	487	991	0.017	72,950	85,352

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.

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