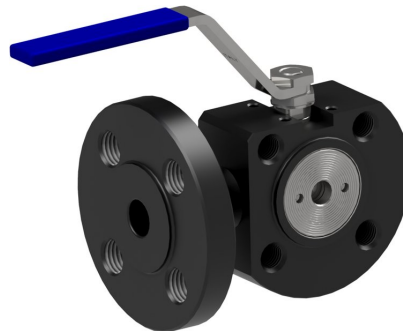


3-Way flanged ball valves made of steel Series 776001, 776000

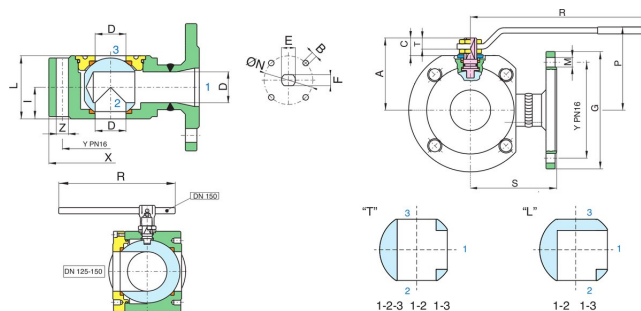


Design type	3-way ball valve with floating ball, reduced passage, double-walled sealing, not non-overlapping, Pressure inlet front only
Actuation	by 90° rotation of the hand lever
Connection	Flanges DN15...DN150 according to EN1092-1 PN16
Materials	Housing Steel, Stainless steel ball 1.4301, Ball seal PTFE, Spindle seal PTFE, O-rings FKM, Hand lever steel plastic-coated
Application range	Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used. For steam applications we recommend using special steam valves.
Medium temperature	-10...+160°C
Operating pressure	Vacuum max. 10 ⁻³ Torr up to Rated pressure according to table and pressure-temperature diagram
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA-Luft
Special version	antistatic version ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, Flanges ANSI150 on request

Circuit diagram

776001		776000
Switching type 01	Switching type 04	Switching type 05
Position 1		
Position 2		
The handles can each be repositioned by 90°. After removing the central mounting screws, the notch on the top of the spindle becomes visible, indicating the ball position and also allowing the valve type to be identified.		





Nominal size DN[mm]	A	B	C	D	E	F	G	I	L	M	N	P	R	S	T	X	Y	Z
15	47	4 x M5	15,5	10	10	7	95	20	40	4 x Ø14	32	64,5	131,5	76	9	89	65	4 x M12
20	49,5	4 x M5	13,5	15	10	7	105	20	40	4 x Ø14	32	67	131,5	82	9	99	75	4 x M12
25	59	4 x M5	18	20	12	8	115	23	46	4 x Ø14	42	79	174,5	86	12,5	109	85	4 x M12
32	64	4 x M5	15,5	25	12	8	140	29	58	4 x Ø18	42	84	250,5	105	11,5	130	100	4 x M16
40	78	4 x M6	24,5	32	16	10	150	35,5	71	4 x Ø18	50	102,5	250,5	110	13	140	110	4 x M16
50	85	4 x M6	25	40	16	10	165	41	82	4 x Ø18	50	109	321,5	115	13,5	160	125	4 x M16
65	104,5	4 x M8	28	50,2	20	14	185	53	106	4 x Ø18	70	128	321,5	125	18	180	145	4 x M16
80	113	4 x M8	28	64	20	14	200	61	122	8 x Ø18	70	136,5	381,5	150	18	200	160	8 x M16
100	136	4 x M10	34,5	76	24	18	220	76	152	8 x Ø18	102	155,5	381,5	159	22	220	180	8 x M16
125	159	4 x M10	34,5	100	24	18	250	98	196	8 x Ø18	102	178,5	381,5	190	22	250	210	8 x M16
150	201	4 x M12	49	125	42	30	285	116	242	8 x Ø22	125	252	700	210	29	306	240	8 x M20

Nominal size DN[mm]	PN [bar]	Kv value [m³/h]	Weight [approx. kg]	Type T-port hole	Type L-bore
15	16	2,8	2,13	776001-15	776000-15
20	16	5,2	2,78	776001-20	776000-20
25	16	9,2	3,70	776001-25	776000-25
32	16	14,4	6,05	776001-32	776000-32
40	16	25,9	8,31	776001-40	776000-40
50	16	40,4	12,40	776001-50	776000-50
65	16	63,2	19,55	776001-65	776000-65
80	16	115,8	28,70	776001-80	776000-80
100	16	163,2	39,65	776001-100	776000-100
125	16	282,6	63,0	776001-125	776000-125
150	16	441,6	108,0	776001-150	776000-150



Pressure-temperature diagram



Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Flanged ball valves - steel / Flanged ball valve Series 776000, 776001