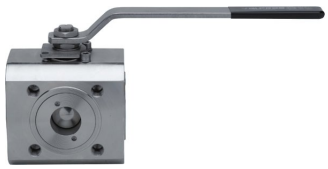
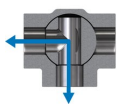
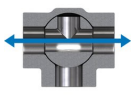
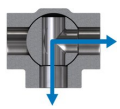
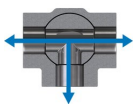
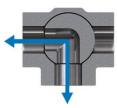
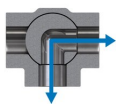
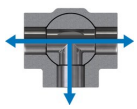
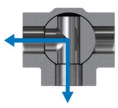
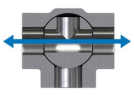
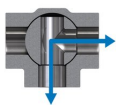
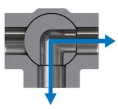
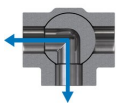
Partnership. With Guarantee.

3-Way flanged ball valves made of steel
Series BA310, BA311



Design type	3-way ball valve with floating ball, Compensation hole, full bore passage, triple-lip sealing, non-overlapping
Actuation	by 90° rotation of the hand lever
Connection	Flanges DN15...DN100 according to EN1092-1 PN16
Materials	Steel housing, Ball stainless steel 1.4401, Ball seal PTFE graphite-reinforced, Spindle seal PTFE, O-rings FKM, Hand lever steel plastic-coated
Application range	Fluids and gases of group 1 and 2 in accordance with 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 Nominal pressure according to table and pressure-temperature diagram
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA-Luft; ATEX II 2G/D c T3
Special versions	higher media temperatures on request

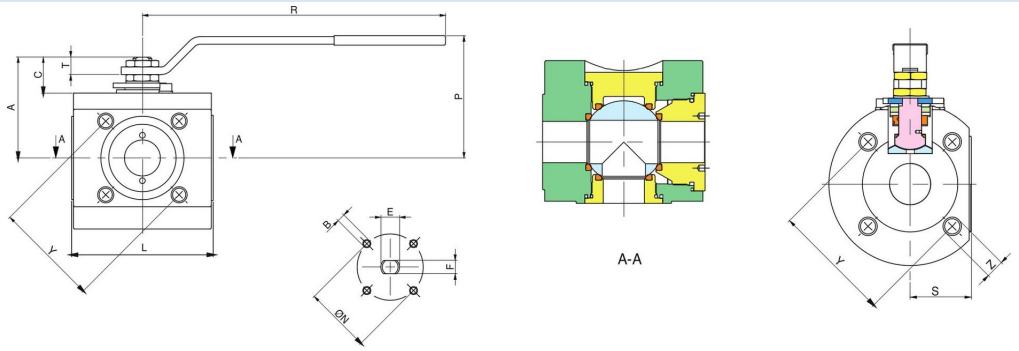
Circuit diagram

BA311				BA310		
Switching type 01	Switching type 02	Switching type 03	Switching type 04	Switching type 05	Switching type 06	Switching type 07
Position 1						
						
Position 2						
						

The handles can each be repositioned by 90°. After removing the central fixing screws, the notch on the top of the spindle becomes visible; it indicates the ball position and also allows the valve type to be identified.

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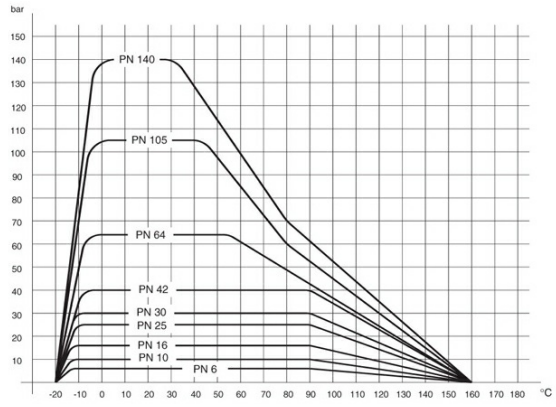
Abmessungen



Nominal size DN[mm]	A	B	C	E	F	L	N	P	R	S	T	Y	Z
15	55	4 x M5	20	M10	7	99	42	73	131,5	35	10	65	4 x M12
20	72	4 x M6	28	M12	8	108	50	90	174	40	13	75	4 x M12
25	76	4 x M6	27	M12	8	115	50	95	174	41,5	12	85	4 x M12
32	92	4 x M6	31	M16	10	140	50	116	250	52,5	13	100	4 x M16
40	107	4 x M8	38	M20	14	150	70	129	321	56,5	18,5	110	4 x M16
50	115	4 x M8	38	M20	14	167	70	137	321	62	18,5	125	4 x M16
65	131	4 x M8	41	M20	14	185	70	150	321	85	22,5	145	4 x M16
80	147	4 x M10	40	M24	18	216	102	171	381	127	18	160	8 x M16
100	169	4 x M10	39	M24	18	244	102	192	381	150	18	180	8 x M16

Nominal size DN[mm]	PN [bar]	Kv value [m ^{3} /h]	Weight [approx. kg]	Type T-port hole	Type L-bore
15	16	7,6	3,7	BA311-15-L-A	BA310-15-L-A
20	16	12,2	5,5	BA311-20-L-A	BA310-20-L-A
25	16	21,1	7	BA311-25-L-A	BA310-25-L-A
32	16	34,6	12,5	BA311-32-L-A	BA310-32-L-A
40	16	48,8	16,5	BA311-40-L-A	BA310-40-L-A
50	16	85,1	22,5	BA311-50-L-A	BA310-50-L-A
65	16	138,4	37	BA311-65-L-A	BA310-65-L-A
80	16	220,1	60	BA311-80-L-A	BA310-80-L-A
100	16	381,1	95	BA311-100-L-A	BA310-100-L-A

Pressure-temperature diagram



Illustrations non-binding
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