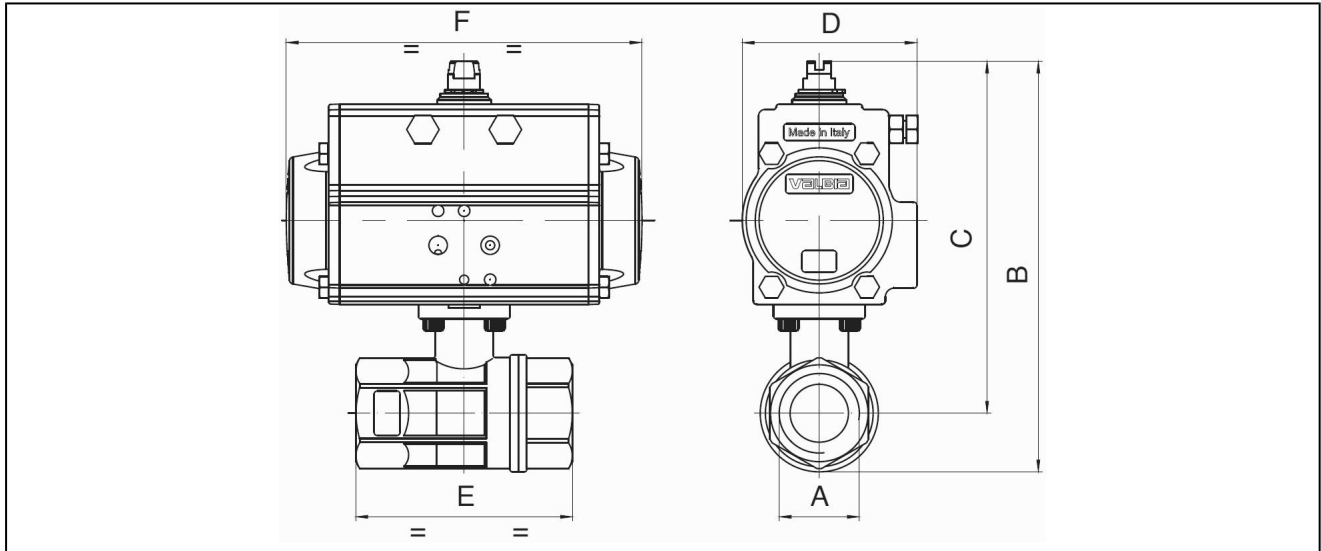


ball valves made of brass with pneumatic actuator, ATEX-design series BAB1-...-BITT-..A



design	actuator: piston actuator with 2 counteracting pistons, elastic sealing, actuator complying with ISO 5211 or rather to NAMUR-references, end position $\pm 5^\circ$ adjustable on both sides
connection	RP1/4" ... RP2" according to ISO7/1
materials	actuator: hard-anodised aluminum, pinion nickel-plated steel, piston guide POM, seals NBR
standard construction	ball valve: CW617N brass nickel plated body, ball stainless steel AISI 304, seals made of PTFE/ FKM/EPDM
function	delivery in double acting or single acting design
type of fixing	installed into rigid pipework
mounting position	any
control medium	filtered and lubricated or non lubricated compressed air
application	gases and liquids of group 2 according to PED 2014/68/EU, which do not affect the used materials. also suitable for solvents.
medium temperature	-20...+160°C
ambient temperature	-20...+85°C
control pressure	5,5 - 8bar, adaptation for lower control pressures on request
operating pressure	0bar to operating pressure according to the table and pressure-temperature diagram, not suitable for vacuum
special version	pinion made of stainless steel, ambient temperatures of -40...+85°C, respectively -20...+150°C on request
accessories	mounted manual, pneumatic or electric control valve electric end position signal, I/P or P/P positioner control of moving speed
order information	in case of order please specify control pressure, operating medium and operating pressure
direction for use	pressure and temperature values are maximum values for lubricating or not degreasing mediums. in particular degreasing media reduce the indicated values and increase the necessary torque. In border lines we recommend a previous consultation. when selecting the armature, the lowest control pressure in the equipment is taken as the basis

dimensions



ball valves with double acting pneumatic actuator

connection A	nominal diameter DN[mm]	max. operating pressure [bar] to 85°C	B	C	D	E	F	type of actuator	kv value [m ³ /h]	weight [app. kg]	type
RP1/4"	8	40	115	98	45	67	110	PAD032	5,4	0,9	BAB1-002-BITT-D0A
RP1/4"	8	40	152	134,5	71	67	141	PAD052	5,4	1,7	BAB1-002-BITT-D0E*
RP3/8"	10	40	115	98	45	67	110	PAD032	6	0,9	BAB1-003-BITT-D0A
RP3/8"	10	40	152	134,5	71	67	141	PAD052	6	1,7	BAB1-003-BITT-D0E*
RP1/2"	15	40	115	98	45	67	110	PAD032	16,3	0,9	BAB1-004-BITT-D0A
RP1/2"	15	40	152	134,5	71	67	141	PAD052	16,3	1,7	BAB1-004-BITT-D0E*
RP3/4"	20	40	120	100	45	76	110	PAD032	29,5	1,0	BAB1-005-BITT-D0A
RP3/4"	20	40	157	136,5	71	76	141	PAD052	29,5	1,8	BAB1-005-BITT-D0E*
RP1"	25	40	135	111	45	90	110	PAD032	43	1,3	BAB1-006-BITT-D0A
RP1"	25	40	172	147,5	71	90	141	PAD052	43	2,1	BAB1-006-BITT-D0E*
RP11/4"	32	40	144	114	45	102	110	PAD032	89	1,6	BAB1-007-BITT-D0A
RP11/4"	32	40	181	150,5	71	102	141	PAD052	89	2,4	BAB1-007-BITT-D0E*
RP11/2"	40	40	203	166	71	114	141	PAD052	230	3,1	BAB1-008-BITT-D0A
RP2"	50	40	221	175	71	138	141	PAD052	265	4,1	BAB1-009-BITT-D0A

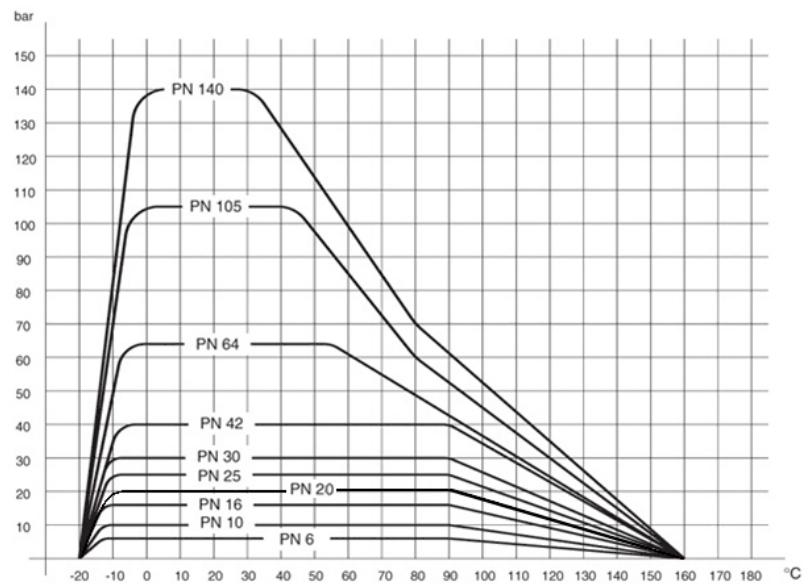
*with add-on E the ball valves will be fitted with actuator PAD052. when using limit switch boxes and NAMUR-control valves use E-types.

ball valves with single acting pneumatic actuator

connection A	nominal diameter DN[mm]	max. operating pressure [bar] to 85°C	B	C	D	E	F	type of actuator	kv value [m ³ /h water]	weight [app. kg]	type
RP1/4"	8	40	151	134	71	67	141	PAS0525	5,4	1,9	BAB1-002-BITT-S0A
RP3/8"	10	40	151	134	71	67	141	PAS0525	6	1,9	BAB1-003-BITT-S0A
RP1/2"	15	40	151	134	71	67	141	PAS0525	16,3	1,9	BAB1-004-BITT-S0A
RP3/4"	20	40	156	136	71	76	141	PAS0525	29,5	2,0	BAB1-005-BITT-S0A
RP1"	25	40	172	147	71	90	141	PAS0525	43	2,3	BAB1-006-BITT-S0A
RP11/4"	32	40	180	151	71	102	141	PAS0525	89	2,6	BAB1-007-BITT-S0A
RP11/2"	40	40	214	177	81	114	141	PAS0635	230	4,1	BAB1-008-BITT-S0A
RP2"	50	40	232	186	81	138	164	PAS0635	265	5,2	BAB1-009-BITT-S0A

single acting actuators are delivered normally closed (NC), if not specified in your order.

pressure-temperature-diagram



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice