Partnership. With Guarantee.

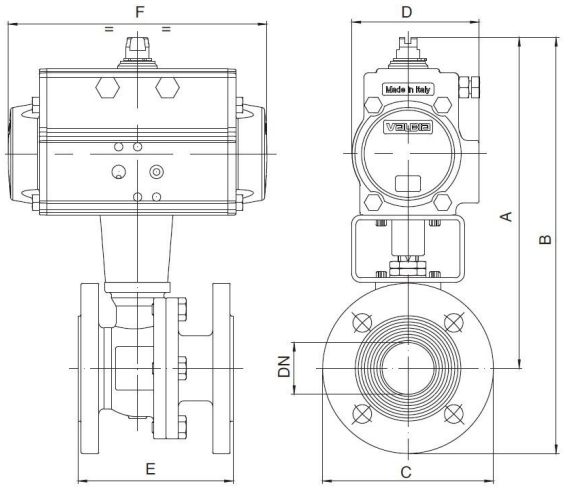
Stainless steel flanged ball valves
With pneumatic rotary actuator
Series BAE.-...-SSTV



Design type	Actuator: piston actuator with 2 opposed pistons, elastic sealing, actuator in all details in accordance with ISO 5211 or according to NAMUR recommendations, End positions adjustable on both sides +/-5°
Connection	Flanges DN15...DN200 according to EN1092
Overall length	according to EN558-1R27
Materials Standard version	Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide POM, Seals NBR Ball valve: Body and ball stainless steel 1.4408, Ball seal made of PTFE, Double spindle seal PTFE/FKM
Function	available in double-acting or single-acting version
Mounting type	Installation in rigid piping system
Mounting position	any
Control medium	filtered and lubricated or non-lubricated compressed air
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used
Medium temperature	-20...+160°C
Ambient temperature	-20...+85°C
Control pressure	5,5-8bar, Adaptation to lower pilot pressures possible on request
Operating pressure	Vacuum max. 10^{-3} Torr up to rated pressure according to table and pressure-temperature diagram
Approvals	Fire-safe, TA-Luft
Special version	Ball valve: ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, Actuator: ATEX II 2G Ex h IIC T6...T3 Gb / II 2D Ex h IIIC T85°C...T200°C Db Stainless steel pinion, Ambient temperatures -40...+85°C, or rather -20...+150°C
Accessories	assembled manual, pneumatic or electric control valve electrical end position feedback, Positioner in I/P or P/P version Adjustment of the switching speed
Ordering note	When ordering, please also specify pilot pressure, operating medium, operating pressure and operating temperature.
Application note	The pressure and temperature specifications are maximum values for normal conditions, for lubricating or non-degreasing media. Degreasing media in particular reduce the specified values and increase the required torque. For these special cases, we recommend prior consultation. When selecting the valve, the lowest control pressure occurring in the system must be taken as the basis.

+43 512 52076
austria@stasto.eu
© STASTO Automation KG

Dimensions



Ball valves with double-acting rotary actuator

Nominal size DN[mm]	max. operating pressure [bar] up to 85°C	A	B	C	D	E	F	Actuator type	Kv value [m³/h]	Weight [approx. kg]	Type
15	40	148	195	95	45	115	110	PAD032	19,2	3,1	BAEB-015-SSTV-D0
15	40	184,5	231,5	95	71	115	141	PAD052	19,2	4,6	BAEB-015-SSTV-D0B*
20	40	189	242	105	71	120	141	PAD052	35	5,9	BAEB-020-SSTV-D0
25	40	207	265	115	71	125	141	PAD052	64,5	7,1	BAEB-025-SSTV-D0
32	40	210	280	140	71	130	141	PAD052	103,8	9,9	BAEB-032-SSTV-D0
40	40	250	325	150	81	140	164	PAD063	174	14,3	BAEB-040-SSTV-D0
50	40	275	357	165	95	150	210	PAD075	301,3	19,3	BAEB-050-SSTV-D0
65	16	299	392	185	106	170	241	PAD085	545,7	23,7	BAEA-065-SSTV-D0
80	16	333	433	200	106	180	241	PAD085	872,5	33,6	BAEA-080-SSTV-D0
100	16	360	470	220	123	190	275	PAD100	1363	39,5	BAEA-100-SSTV-D0
125	16	417	542	250	137	325	333	PAD115	2360	64,0	BAEA-125-SSTV-D0
150	16	462	607	285	148	350	372	PAD125	3671	90,0	BAEA-150-SSTV-D0
200	16	551	721	340	186	400	500	PAD160	6816	130,5	BAEA-200-SSTV-D0

*With the suffix B, the ball valves are equipped with the PAD052 actuator. When using limit switch boxes and NAMUR control valves, B types must be used.

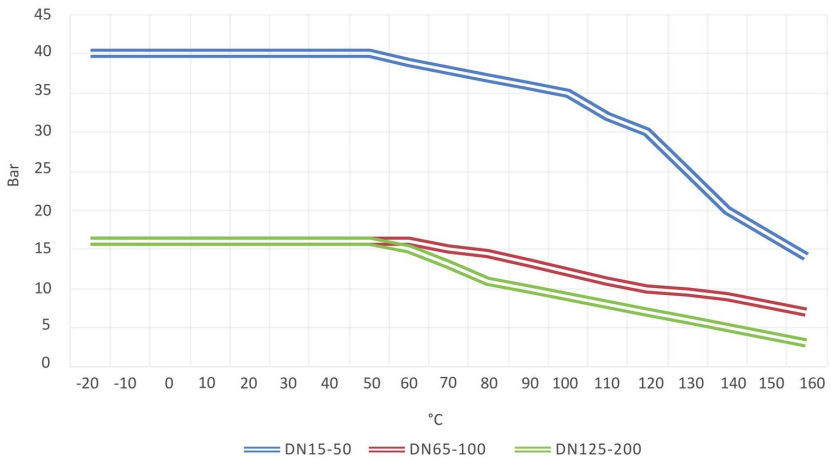
Ball valves with single-acting rotary actuator

Nominal size DN[mm]	max. operating pressure [bar] up to 85°C	A	B	C	D	E	F	Actuator type	Kv value [m³/h]	Weight [approx. kg]	Type
15	40	184	232	95	71	115	141	PAS0525	19,2	4,8	BAEB-015-SSTV-S0
20	40	200	253	105	81	120	164	PAS0635	35	6,8	BAEB-020-SSTV-S0
25	40	219	277	115	81	125	164	PAS0635	64,5	8,2	BAEB-025-SSTV-S0
32	40	222	292	140	81	130	164	PAS0635	103,8	10,3	BAEB-032-SSTV-S0
40	40	282	357	150	106	140	241	PAS0855	174	16,6	BAEB-040-SSTV-S0
50	40	302	385	165	123	150	275	PAS1005	301,3	27,0	BAEB-050-SSTV-S0
65	16	346	439	185	137	170	333	PAS1155	545,7	31,6	BAEA-065-SSTV-S0
80	16	393	493	200	148	180	372	PAS1255	872,5	43,1	BAEA-080-SSTV-S0
100	16	407	517	220	148	190	372	PAS1255	1363	48,6	BAEA-100-SSTV-S0
125	16	476	601	250	186	325	500	PAS1605	2360	77,0	BAEA-125-SSTV-S0
150	16	565	708	285	217	350	579	PAS2005	3671	110,0	BAEA-150-SSTV-S0
200	16	609	779	340	217	400	579	PAS2005	6816	138,5	BAEA-200-SSTV-S0

Single-acting actuators are supplied spring-closing (NC) unless otherwise ordered.

+43 512 52076
austria@stasto.eu
© STASTO Automation KG

Pressure-temperature diagram



Illustrations non-binding
Design, dimensional and material changes reserved

+43 512 52076
austria@stasto.eu
© STASTO Automation KG