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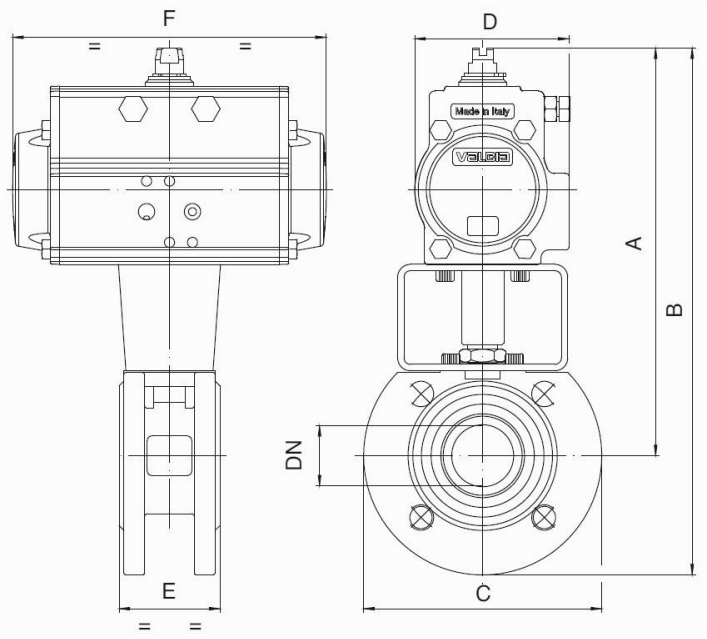
Stainless steel flanged ball valves with pneumatic rotary actuator
Series BA052



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°, incl. red visual indicator
Function	available in double-acting or single-acting Version
Connection	Flanges DN15...DN100 according to EN1092-1, PN40
Materials Standard version	Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide PTFE +15% graphite, Seals NBR Ball valve: Body and ball stainless steel 1.4401, Ball seal made of 15% glass fiber reinforced PTFE, Spindle seal PTFE/FKM, Compensation hole
Application range	gaseous and liquid media that do not attack the materials used
Medium temperature	-20...+160°C
Ambient temperature	-20...+85°C
Operating pressure	Vacuum max. 10^{-3} Torr up to Nominal pressure according to table and pressure-temperature diagram
Control medium	filtered and lubricated or non-lubricated compressed air
Control pressure	5,5...8bar, Adaptation to lower pilot pressures possible on request
Mounting type	Installation in rigid piping system
Mounting position	any
Special version	Stainless steel pinion, ATEX, Ambient temperatures from -40...+85°C, or rather -20...+150°C on request
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
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Dimensions



Ball valves with double-acting rotary actuator

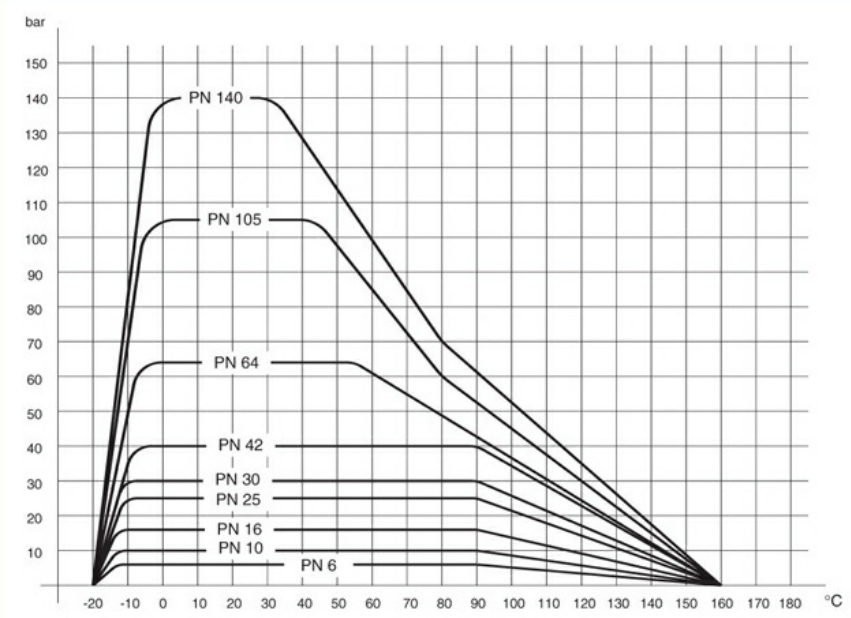
Nominal size DN[mm]	max. operating pressure [bar]	A	B	C	D	E	F	Actuator-type	Kv value [m 3 /h]	Weight [approx. kg]	Type
15	40	183	228	90	71	35	141	PAD052	19,2	2,8	BA052-15-D0
20	40	199	249	100	81	40	164	PAD063	35,0	3,8	BA052-20-D0
25	40	204	262	115	81	46	164	PAD063	64,5	4,2	BA052-25-D0
32	40	211	281	140	81	54	164	PAD063	103,8	6,2	BA052-32-D0
40	40	235	310	150	95	63,5	210	PAD075	174	7,8	BA052-40-D0
50	40	243	326	165	95	82	210	PAD075	301,3	10,0	BA052-50-D0
65	40	288	380	185	123	103	275	PAD100	545,7	16,7	BA052-65-D0
80	40	339	439	200	137	122	333	PAD115	872,5	24,3	BA052-80-D0
100	40	357	467	220	148	152	372	PAD125	1363,3	33,3	BA052-100-D0
150	40	357	467	300	148	232	372	PAD160	3671,1	93,0	BA052-150-D0

Ball valves with single-acting rotary actuator

Nominal size DN[mm]	max. operating pressure [bar]	A	B	C	D	E	F	Actuator-type	Kv value [m 3 /h]	Weight [approx. kg]	Type
15	40	195	234	90	81	35	164	PAS0635	19,2	3,7	BA052-15-S0
20	40	231	281	100	106	40	241	PAS0855	35,0	7,0	BA052-20-S0
25	40	237	287	115	106	46	241	PAS0855	64,5	7,4	BA052-25-S0
32	40	243	292	140	106	54	241	PAS0855	103,8	9,4	BA052-32-S0
40	40	261	328	150	123	64	275	PAS1005	174	12,0	BA052-40-S0
50	40	304	385	165	137	82	333	PAS1155	301,3	18,6	BA052-50-S0
65	40	391	483	185	187	103	500	PAS1605	545,7	41,5	BA052-65-S0
80	40	398	498	200	187	122	500	PAS1605	872,5	45,0	BA052-80-S0
100	40	404	539	220	187	152	500	PAS1605	1363,3	63,3	BA052-100-S0
150	40	585	735	300	248,5	232	690	PAS2305	3671,1	147,9	BA052-150-S0

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

Pressure-temperature diagram



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+43 512 52076
austria@stasto.eu
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