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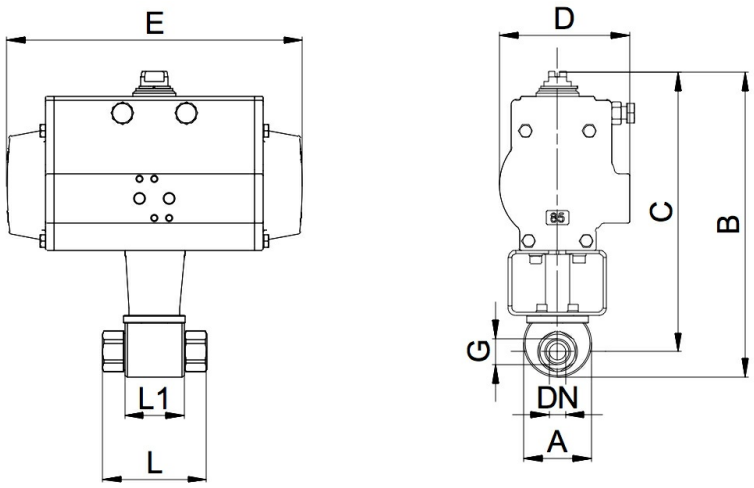
Stainless steel ball valves with pneumatic rotary actuator
Series BAH1-...-SSKV and BAK1-...-SSKV



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	G1/8"...G1" according to ISO228/1
Materials Standard version	Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide POM, Seals NBR Ball valve: Body and ball stainless steel 1.4571, Seals PEEK/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	gaseous and liquid media that do not attack the materials used
Medium temperature	-20...+100°C
Ambient temperature	-20...+85°C
Control pressure	5,5-8bar, Adaptation to lower pilot pressures possible on request
Operating pressure	0bar up to Operating pressure according to table
Special version	Stainless steel pinion, ATEX, Ambient temperatures from -40°C...+85°C, or rather -20°C...+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.

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Dimensions



Ball valves with double-acting rotary actuator for liquids

Connection G	Nominal size DN[mm]	max. operating pressure [bar] up to 85°C	A	B	C	D	E	L	L1	Actuator type	Weight [approx. kg]	Type
G1/8"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAH1-001-SSKV-D0
G1/4"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAH1-002-SSKV-D0
G3/8"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAH1-003-SSKV-D0
G1/2"	13	400	55	214	194	81	164	85	48,2	PAD063	2,7	BAH1-004-SSKV-D0
G3/4"	20	400	70	244	217	81	164	96	62,2	PAD063	4,6	BAH1-005-SSKV-D0
G1"	24	400	75	265	236	95	210	113	66,2	PAD075	5,2	BAH1-006-SSKV-D0

Ball valves with single-acting rotary actuator for liquids

Connection G	Nominal size DN[mm]	max. operating pressure [bar]	A	B	C	D	E	L	L1	Actuator type	Weight [approx. kg]	Type
G1/8"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAH1-001-SSKV-S0
G1/4"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAH1-002-SSKV-S0
G3/8"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAH1-003-SSKV-S0
G1/2"	13	400	55	246	225	106	241	85	48,2	PAS0855	5,8	BAH1-004-SSKV-S0
G3/4"	20	400	70	289	262	123	275	96	62,2	PAS1005	8,9	BAH1-005-SSKV-S0
G1"	24	400	75	293	264	123	275	113	66,2	PAS1005	9,4	BAH1-006-SSKV-S0

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

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Ball valves with double-acting rotary actuator for neutral gases

Connection G	Nominal size DN[mm]	max. operating pressure [bar]	A	B	C	D	E	L	L1	Actuator type	Weight [approx. kg]	Type
G1/8"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAK1-001-SSKV-D0
G1/4"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAK1-002-SSKV-D0
G3/8"	10	400	50	210	192	81	164	73	43,2	PAD063	2,5	BAK1-003-SSKV-D0
G1/2"	13	400	55	214	194	81	164	85	48,2	PAD063	2,7	BAK1-004-SSKV-D0
G3/4"	20	250	70	244	217	81	164	96	62,2	PAD063	4,6	BAK1-005-SSKV-D0
G1"	24	250	75	265	236	95	210	113	66,2	PAD075	5,3	BAK1-006-SSKV-D0

Ball valves with single-acting rotary actuator for neutral gases

Connection G	Nominal size DN[mm]	max. operating pressure [bar]	A	B	C	D	E	L	L1	Actuator type	Weight [approx. kg]	Type
G1/8"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAK1-001-SSKV-S0
G1/4"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAK1-002-SSKV-S0
G3/8"	10	400	50	242	224	106	241	73	43,2	PAS0855	5,6	BAK1-003-SSKV-S0
G1/2"	13	400	55	246	225	106	241	85	48,2	PAS0855	5,8	BAK1-004-SSKV-S0
G3/4"	20	250	70	289	262	123	275	96	62,2	PAS1005	8,9	BAK1-005-SSKV-S0
G1"	24	250	75	293	264	123	275	113	66,2	PAS1005	9,4	BAK1-006-SSKV-S0
Single-acting actuators are supplied spring-closing (NC) unless otherwise ordered.												

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