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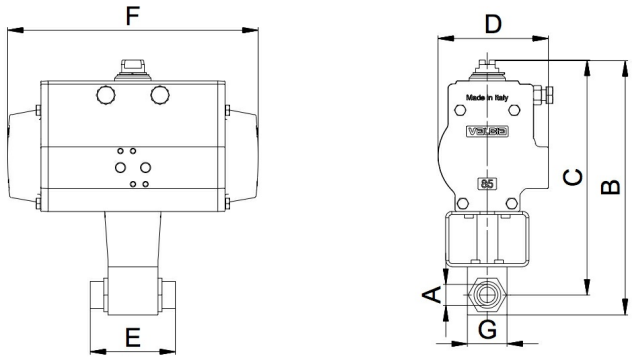
Steel ball valves with pneumatic rotary actuator Series BAH7-...-UCPN



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	15L...28L and 16S...30S after EN ISO 8434-1
Materials Standard version	Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide POM, Seals NBR Ball valve: Housing steel, zinc-plated, Steel ball, Ball seal POM, Spindle seal NBR
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	Group 2 fluids according to PED 97/23/EC that do not attack the materials used
Medium temperature	-20°C...+100°C
Ambient temperature	-20°C...+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

Connection A	Nominal size DN[mm]	max. operating pressure [bar]	B	C	D	E	F	G	Actuator type	Weight [approx. kg]	Type
M22x1,5	13	500	204	187	81	84	164	35	PAD063	3,4	BAH7-15L-UCPN-D0
M26x1,5	15	500	210	191	81	83	164	38	PAD063	3,5	BAH7-18L-UCPN-D0
M30x2	20	400	221	197	81	102	164	49	PAD063	4,0	BAH7-22L-UCPN-D0
M36x2	24	350	252	226	95	108	210	60	PAD075	5,3	BAH7-28L-UCPN-D0

Connection A	Nominal size DN[mm]	max. operating pressure [bar]	B	C	D	E	F	G	Actuator type	Weight [approx. kg]	Type
M24x1,5	13	500	204	187	81	87	164	35	PAD063	3,4	BAH7-16S-UCPN-D0
M30x2	15	500	210	191	81	91	164	38	PAD063	3,5	BAH7-20S-UCPN-D0
M36x2	20	400	221	197	81	110	164	49	PAD063	4	BAH7-25S-UCPN-D0
M42x2	24	350	252	226	95	120	210	60	PAD075	5	BAH7-30S-UCPN-D0

Ball valves with single-acting rotary actuator

Connection A	Nominal size DN[mm]	max. operating pressure [bar]	B	C	D	E	F	G	Actuator type	Weight [approx. kg]	Type
M22x1,5	13	500	240	219	106	84	241	35	PAS0855	6,4	BAH7-15L-UCPN-S0
M26x1,5	15	500	242	223	106	83	241	38	PAS0855	6,6	BAH7-18L-UCPN-S0
M30x2	20	400	276	251	123	102	275	49	PAS1005	9,4	BAH7-22L-UCPN-S0
M36x2	24	350	289	263	123	108	275	60	PAS1005	9,9	BAH7-28L-UCPN-S0

Connection A	Nominal size DN[mm]	max. operating pressure [bar]	B	C	D	E	F	G	Actuator type	Weight [approx. kg]	Type
M24x1,5	13	500	240	219	106	87	241	35	PAS0855	6,4	BAH7-16S-UCPN-S0
M30x2	15	500	242	223	106	91	241	38	PAS0855	6,6	BAH7-20S-UCPN-S0
M36x2	20	400	276	251	123	110	275	49	PAS1005	9,5	BAH7-25S-UCPN-S0
M42x2	24	350	289	263	123	120	275	60	PAS1005	10,1	BAH7-30S-UCPN-S0

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

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