

Three-way stainless steel ball valves with pneumatic rotary actuator

Series BA038, BA037



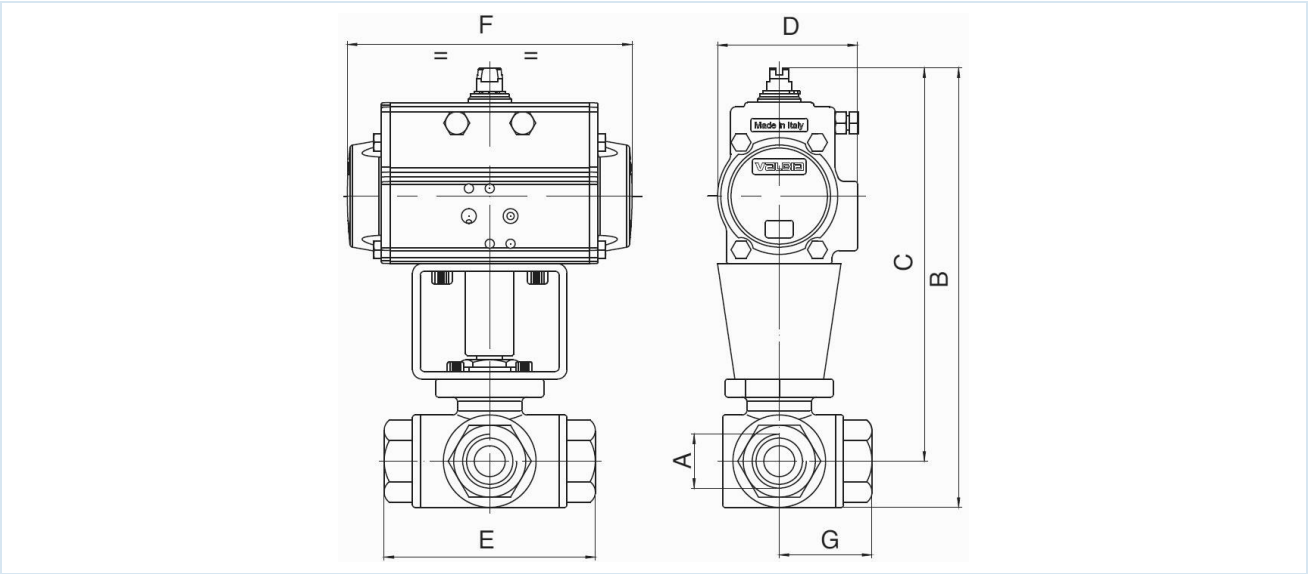
Design type	Actuator: piston actuator with 2 opposed pistons, elastic sealing, actuator in all details in accordance with ISO 5211 or according to NAMUR recommendations, End positions adjustable on both sides +/-5° Ball valve, reduced passage, Triple-shell sealing ball, non-overlapping
Function	available in double-acting or single-acting Version
Mounting type	Installation in rigid piping system
Connection	G1/4"...G2" 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 1.4408, Ball seal PTFE, Spindle seal PTFE
Application range	gaseous and liquid media that do not attack the materials used
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...+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 Nominal pressure according to table and pressure-temperature diagram
Special version	Stainless steel pinion, 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	Please also specify switching type, control pressure, operating medium, operating pressure and operating temperature when ordering.
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.



Circuit diagram

BA038				BA037		
Switching type 01	Switching type 02	Switching type 03	Switching type 04	Switching type 05	Switching type 06	Switching type 07
Position1 (Normal position with single-acting actuator)						
Position 2 (Operating position for single-acting actuator)						

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	Kv value [m ³ /h]	Weight [approx. kg]	Type T-port hole	Type L-bore
G1/4"	11	64	203	184	71	69	141	39	PAD052	4	2,6	BA038-14-D0	BA037-14-D0
G3/8"	11	64	203	184	71	69	141	39	PAD052	4	2,6	BA038-38-D0	BA037-38-D0
G1/2"	12,5	64	203	184	71	76	164	39	PAD052	5,2	2,6	BA038-12-D0	BA037-12-D0
G3/4"	16	64	237	214	81	87	164	43	PAD063	8,4	3,3	BA038-34-D0	BA037-34-D0
G1"	20	64	242	216	81	102	164	52	PAD063	12	3,8	BA038-10-D0	BA037-10-D0
G1 1/4"	25	64	25	225	81	118	164	58	PAD063	19	4,8	BA038-114-D0	BA037-114-D0
G1 1/2"	32	64	298	260	106	126	241	63	PAD085	26	8,1	BA038-112-D0	BA037-112-D0
G2"	38	64	316	268	106	149	241	75	PAD085	32	10,6	BA038-20-D0	BA037-20-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	Kv value [m ³ /h]	Weight [approx. kg]	Type T-port hole	Type L-bore
G1/4"	11	64	214	195	81	69	164	39	PAS0635	5	3,4	BA038-14-S0	BA037-14-S0
G3/8"	11	64	214	195	81	69	164	39	PAS0635	5	3,4	BA038-38-S0	BA037-38-S0
G1/2"	12,5	64	214	195	81	76	164	39	PAS0635	7	3,4	BA038-12-S0	BA037-12-S0
G3/4"	16	64	256	233	95	87	210	43	PAS0755	12	3,9	BA038-34-S0	BA037-34-S0
G1"	20	64	274	248	106	102	241	52	PAS0855	19	7,3	BA038-10-S0	BA037-10-S0
G1 1/4"	25	64	291	257	106	118	241	58	PAS0855	30	7,8	BA038-114-S0	BA037-114-S0
G1 1/2"	32	64	345	307	137	126	333	63	PAS1155	51	16,2	BA038-112-S0	BA037-112-S0
G2"	38	64	364	316	137	149	333	75	PAS1155	76	19,1	BA038-20-S0	BA037-20-S0

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

Illustrations non-binding

Design, dimensional and material changes reserved

Armatures / Ball valves - automatically operated / Other materials - A03 / Ball valve with pneumatic actuator Series BA037, BA038-D0

Version 2

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