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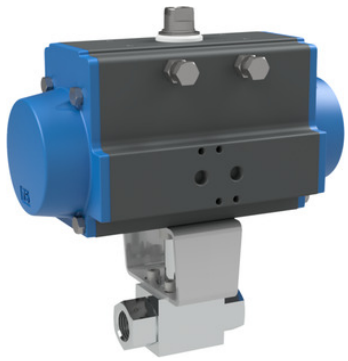
# Stainless steel ball valves with pneumatic rotary actuator
# Series BA234, BA102



| | |
|---|---|
| Design type | Actuator: Piston actuator with 2 opposing pistons, elastic sealing, actuator in all details in accordance with ISO 5211 or according to NAMUR recommendations, End positions adjustable on both sides +/-5°<br>Ball valve: Shut-off valve with floating ball |
| Function | available in double-acting or single-acting Version |
| Connection | G3/8"... G11/2" |
| Materials<br>Standard version | Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide POM, Seals NBR<br>Ball valve: Housing, Ball 1.4571/1.4404,<br>Seals BA234: POM/NBR<br>Seals BA102: POM/FKM |
| Application range | Fluids of group 2 according to PED 2014/68/EU that do not attack the materials used. |
| Medium temperature | BA234 -30...+100°C, BA102 -20...+100°C |
| Ambient temperature | -10...+85°C |
| Operating pressure | Nominal pressure according to table up to 80°C, above 80°C 11% Pressure reduction |
| Control medium | filtered and lubricated or non-lubricated compressed air |
| Control pressure | 5,5...8bar, Adaptation to lower pilot pressures available on request |
| Mounting type | Installation in rigid piping system |
| Mounting position | any |
| Special version | Pinion in stainless steel, Seals made of PTFE, PEEK, ATEX, Ambient temperature from -20...+150°C on request |
| Accessories | assembled manual, pneumatic or electric control valve<br>electrical end position feedback, Positioner in I/P or P/P Version<br>Adjustment of the switching speed |
| Ordering note | When ordering, please also specify control 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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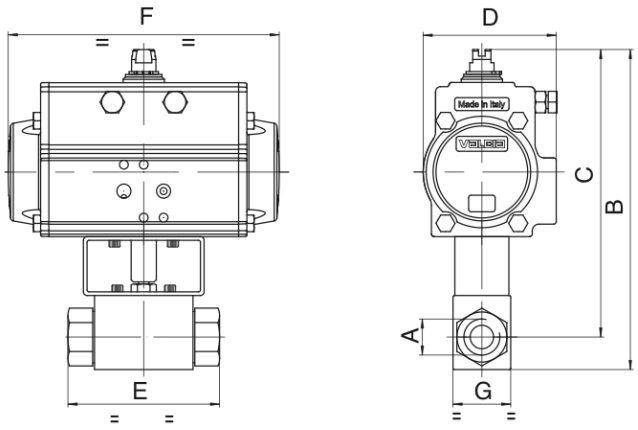
## Dimensions




## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G3/8" | 10 | 500 | 201 | 183,5 | 80,5 | 72 | 164 | 32 | PAD063 | 2,5 | BA...-38-D0 |
| G1/2" | 13 | 500 | 221 | 202 | 94,5 | 83 | 210 | 35 | PAD075 | 3,7 | BA...-12-D0 |
| G3/4" | 20 | 420 | 262 | 237,5 | 106 | 95 | 240,5 | 49 | PAD085 | 5,8 | BA...-34-D0 |
| G1" | 25 | 350 | 270 | 240,5 | 106 | 113 | 240,5 | 58 | PAD085 | 6,5 | BA...-10-D0 |
| G11/4" | 25 | 350 | 270 | 240,5 | 106 | 120 | 240,5 | 58 | PAD085 | 6,7 | BA...-114-D0 |
| G11/2" | 25 | 350 | 270 | 240,5 | 106 | 130 | 240,5 | 58 | PAD085 | 7,0 | BA...-112-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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G3/8" | 10 | 500 | 256 | 238,5 | 123 | 72 | 275 | 32 | PAS1005 | 8,0 | BA...-38-S0 |
| G1/2" | 13 | 500 | 258 | 239 | 123 | 83 | 275 | 35 | PAS1005 | 8,1 | BA...-12-S0 |
| G3/4" | 20 | 420 | 321,5 | 297 | 148 | 95 | 372 | 49 | PAS1255 | 16,10 | BA...-34-S0 |
| G1" | 25 | 350 | 329,5 | 300 | 148 | 113 | 372 | 58 | PAS1255 | 16,8 | BA...-10-S0 |
| G11/4" | 25 | 350 | 329,5 | 300 | 148 | 120 | 372 | 58 | PAS1255 | 16,9 | BA...-114-S0 |
| G11/2" | 25 | 350 | 329,5 | 300 | 148 | 130 | 372 | 58 | PAS1255 | 17,2 | BA...-112-S0 |
| Single-acting actuators are supplied spring-closing (NC) unless otherwise ordered. | | | | | | | | | | | |

Illustrations non-binding
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