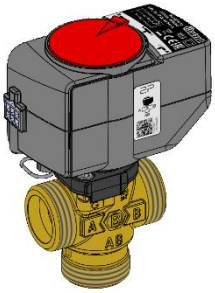
3-way zone valve with 2-point actuator

Description



Barberi® BS5 motorized rotor zone valves are used in the zone management of heating and air conditioning systems. They are used in central heating systems, heat pumps, wall-mounted boilers and solid fuel generators. The valve body features the Soft-Torque technology, characterized by a patented design and very low friction materials, which allow a fast and smooth rotation in 8 seconds only. The fast clip coupling, the general compactness, the ergonomic design and the low resistant torque make the BS5 line easy to use and energy saving product.

Product range

Cod. V83AM3ZAAN004 3-way rotor zone valve G1" with 2 points actuator

Technical features: valves

Working temperature range: **0** (no frost)– **90 °C**
Maximum working pressure: **10 bar**
Maximum differential pressure: **1 bar**
Leakage: **<0,1% Kv**
Flow coefficient: **Kv 8**
Suitable fluids: **water for thermal systems, glycol solutions (max 50%)**
Threaded connections: **male ISO 228-1**
Factory configuration: **actuator on B, valve with AB-B way open**

Materials: valve

Body: **brass EN 12165 CW617N**
Obturator: **PPS**
Internal sealing: **Polypropylene (PP) + TPV**
Gaskets: **EPDM**
Plate for actuator connection: **PPS**

Technical features of the actuator

Running time: **8 s**
Electric supply: **230±10% Vac/50–60 Hz**
Power consumption: **6 VA** (max in rotation)
Type of command: **2-point**
Pole number: **3**
Cable length: **3 meters cable with molex connection**
Protection class: **IP 40**
Electric protection: **class II**
Ambient temperature (max. humidity 95% no condensing):
Functioning: **-5–50 °C EN 60721-3-3 Cl. 3K4**
Transport: **-30–70 °C EN 60721-3-2 Cl. 2K3**
Storage: **-10–50 °C EN 60721-3-1 Cl. 1K2**
Certification: **CE**

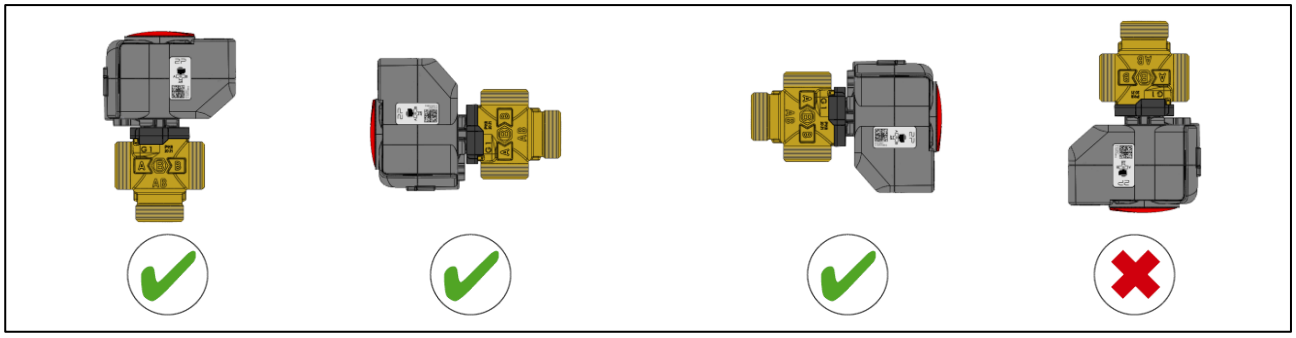
Materials: Actuator

Actuator case: **PA6**
handle: **PC+ABS**

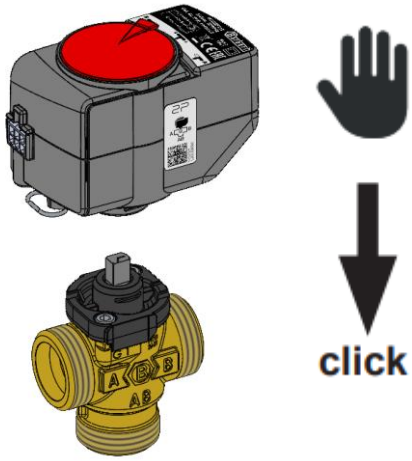
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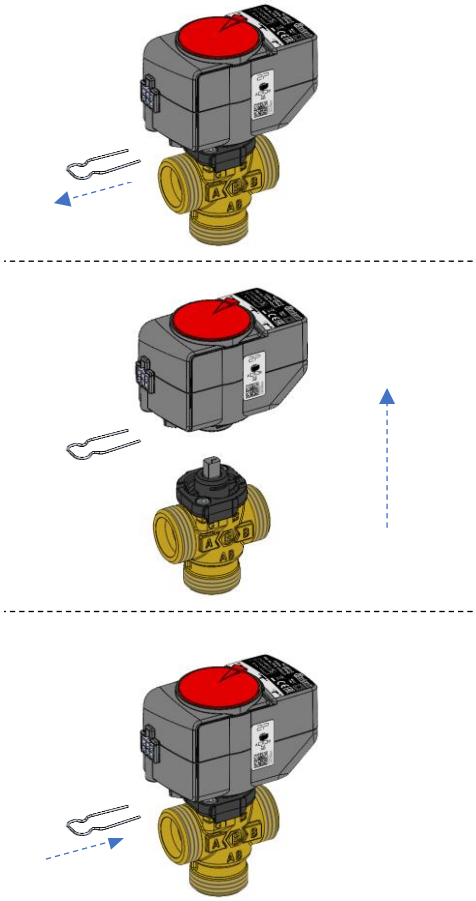
Installation



Actuator rapid mounting on valve

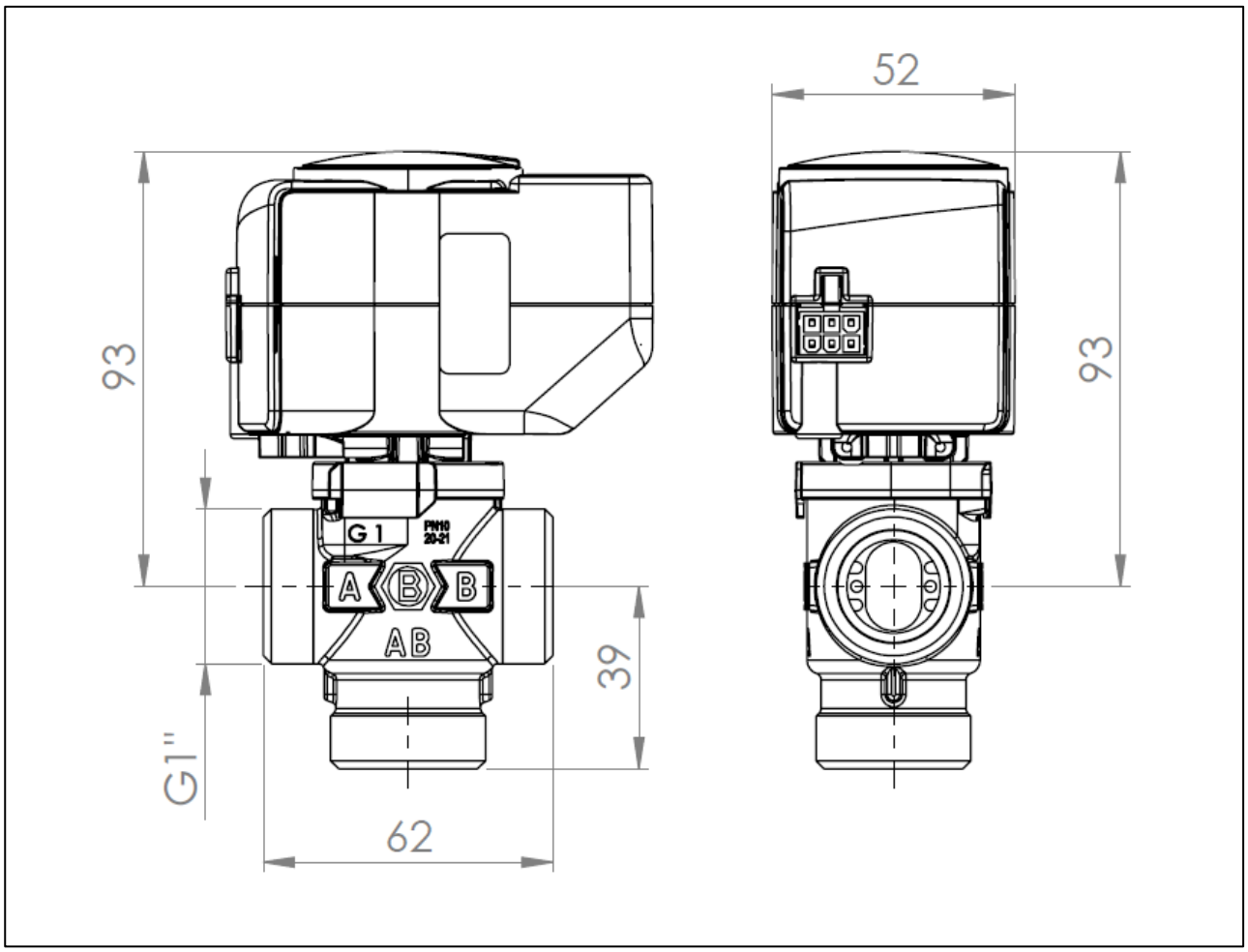


Actuator disassembly



3-way zone valve with 2-point actuator

Dimensions



3-way zone valve with 2-point actuator

Diagrams

Pressure drops

