SINTESIDC

MOTORISED BALL VALVE 2 POSITION (0°-90°) – 3 POSITION (0°-45°-90°) CONTROL

Body Valve

2 positions · 0°- 90°



2 WAY



BY PASS

APPLICATIONS

- Heating and cooling systems (HVAC-R)
- Solar thermal systems
- Domestic water systems
- Alternative Energy systems
- General automation system

SPECIFICATIONS

BODY VALVES *

- Valve type: ball valve
- Body pattern: 2-way, 3-way, by-pass, 6-way
- Connection type: Male according to standard ISO228/1
- Controlled fluid: Hot or chilled water with up to 30% glycol, domestic hot or cold water
- Nominal pressure: PN16
- Max. differential pressure: 16 bar
- Fluid temperature: +5°C to 90°C/100°C
- Materials
 - Body, ball and stem: brass CW617N / CW602N (DZR)
 UNI EN 12165
 (depending on the valve type)
 - Seats: P.T.F.E
 - O-ring: EPDM
- Connection to actuator: FAST (without screws) patented
 - * For further information about ball valves please see Sintesi Technical Datasheet 48.2-17.

Actuator



ISO 5211

Connection kit



Body Valve

3 positions • 0°- 45°- 90°



6 WAY

Fast Push







MAIN FEATURES

- 2-way, 3-way, by-pass and 6-way body valves
- Size from 1/2" to 1" all PN16
- Fast connection between body valve and actuator (patented)
- 2 point or 3 point (on/off or modulating control)
- Feedback output phases
- Position arrow on the top of the actuator
- Manual override function

ACTUATOR

- Functioning: on/off
- Control:
 - 2 positions (2-point, 3-point)
 - 3 positions
- Rotation:
 - 2 positions: 0°-90°3 positions: 0°-45°-90°
- Position indicator: rotating arrow
- Motor: stepper
- Power supply: 12V DC, 24V DC
- Power consumption: max 2 VA
- Electrical connection: black cable 80 cm length, 5 x 0,35 mm²
- Operating time (90°):
 - 60 and 120 sec for 12V version
 - 30, 60 and 120 sec for 24V version
- Feedback output phases: feedback phase for open-mid-close position according to the control
- Nominal torque: 5 Nm (max 7÷10 Nm, according to the operating time)
- Ambient temperature: +5°C to +50°C
- Environmental Protection Ratings: IP54
- Electrical insulation class: ||



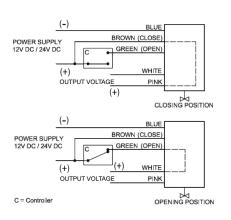
MOTORISED BALL VALVE 2 POSITION (0°-90°) - 3 POSITION (0°-45°-90°) CONTROL

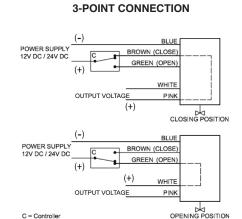
WIRING DIAGRAMS

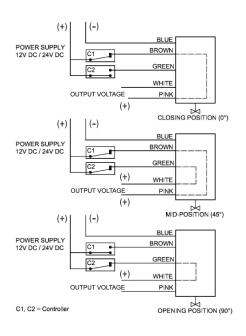
2 POSITIONS

3 POSITIONS

2-POINT CONNECTION



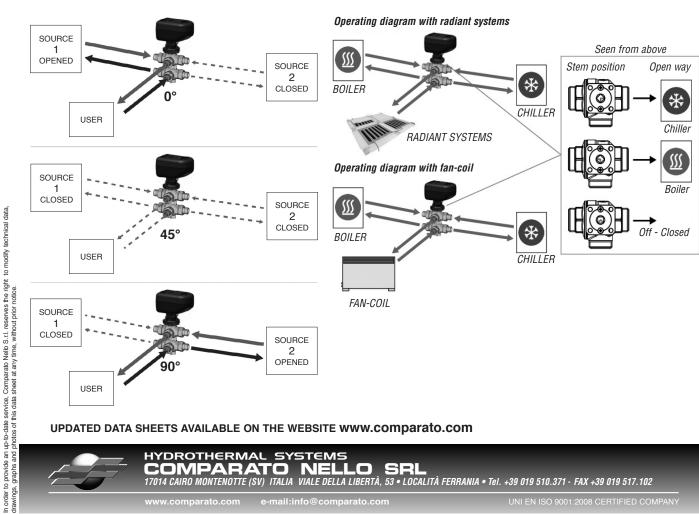




6-WAY BODY VALVE

VALVE FUNCTIONING SCHEME

OPERATING DIAGRAMS



UPDATED DATA SHEETS AVAILABLE ON THE WEBSITE www.comparato.com

