

FIVC Motorized Ball Valve Brass – PN 20 – ON-OFF/3-Point floating control – Normally open – Full Port – ISO 228



F2BA series

Technical data

Main features and materials

• Body:	Forged Brass
• Bonnet:	Forged Brass
• Seat:	Plastic
• O-Ring:	EPDM/NBR
• Actuator type:	ON-OFF or 3-Point floating control
• Voltage:	220V AC 50/60 Hz
• Power:	6 W
• IP class:	IP65
• Drive torque:	10.5 Nm
• Stroke:	90°
• Operating time:	15 sec.
• Cable length:	50 cm
• USP:	High-tightness Long lifespan Increased process efficiency Resistant to clogging

Field of applications

• Temperature range of media:	1 to 95 °C
• Max. temp. of the actuator:	100 °C
• Max. working pressure:	20 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Ball Valve is designed to control the flow by opening, closing, or partially blocking flow passages through its reliable ON-OFF or 3-Point floating actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

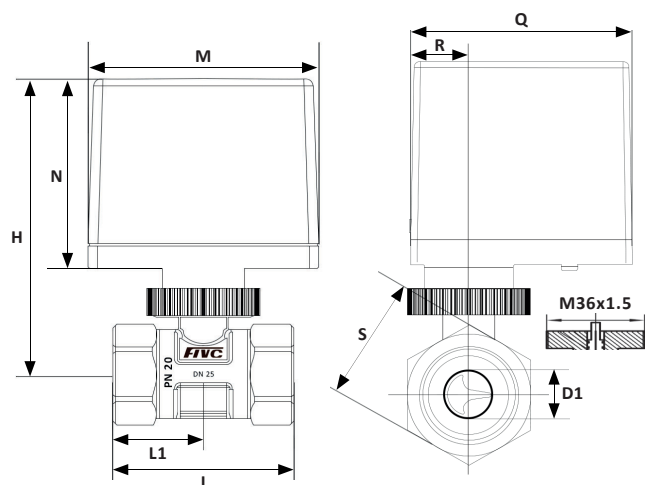
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

The valve is suitable for freshwater, hot water, and up to 60 pct. ethylene glycol solutions.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	S	L1	D1	Kvs	Kg
F2BA015B20N01	15	62	32.5	31.5	10	4.4	0.66
F2BA020B20N01	20	63	32.5	31.5	12	6	0.61
F2BA025B20N01	25	73	40	36.5	16	13.6	0.72
F2BA032B20N01	32	83	48	41.5	20	16	0.99

Dimensions are in millimeters

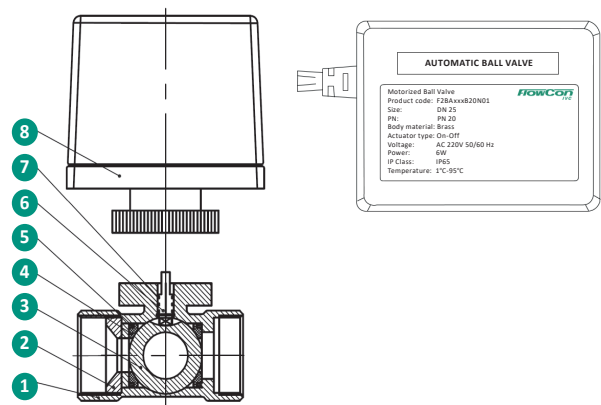
Actuator dimensions				
M	H	N	Q	R
81.5	105	67.5	63.5	19

Dimensions are in millimeters

FIVC Motorized Ball Valve

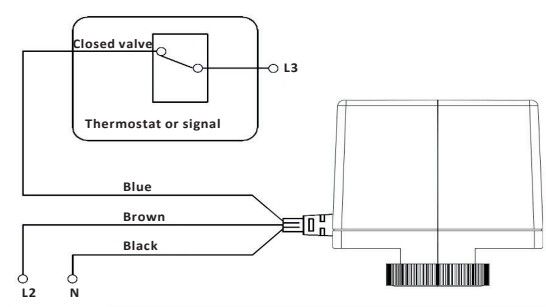
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Product Specification



N°	Name	Material
1	Body	Forged Brass
2	Bonnet	Forged Brass
3	Sphere	Forged Brass
4	Seat	Plastic
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Shaft	Forged Brass
7	O-Ring	EPDM/NBR
8	Electric actuator	-

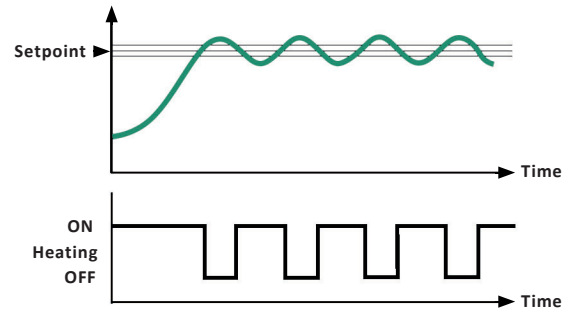
Wiring Diagram



Wiring N°	Name	Operation
1	N	Neutral
2	L2	Open
3	L2 and L3	Closed

Characteristics of control action

ON/OFF control action



3-point floating control action

