

Product technical data

**V2Z230 series
Electric two-way Valve**

Product overview

V2Z230 series electric two-way valve is mainly used for fan coil units and VAV boxes in refrigeration, heating, ventilation and air conditioning systems, and realizes the regulation of room temperature by controlling the opening and closing of valves.

- Long life cycle: 100,000 times of action life.
- High flow, low noise.
- Small installation space requirements: easy to commission and maintain.
- Strong adaptability to working conditions: temperature range 1°C... 95°C, PN16, suitable for all heating and cooling conditions.

Model	DN / Rp	Kv(Cv) [m³/h]	Pressure rating [kPa] [kPa]	Close off pressure [kPa]
V2Z230.15	DN15 / R1/2"	2.2(2.5)	1600	200
V2Z230.20	DN20 / R3/4"	3.0(3.5)	1600	180
V2Z230.25	DN25 / R1"	6.5(7.5)	1600	150
V2Z230.32	DN32 / R1 ¼"	10.0(11.7)	1600	100



Technical parameters

Performance parameters	Valve diameter	DN15 / R1/2", DN20 / R3/4", DN25 / R1", DN32/R1 ¼"
	Media range	Cold/hot water/glycol solution with a maximum concentration of 50%.
	Medium temperature	1°C...+95°C
	Rated pressure	PN 16
	Valve pipe connection	Female threads
Electrical parameters	Operating voltage	230 VAC
	Voltage tolerance	+/- 10%
	Frequency	50 / 60 Hz
	Operational power consumption	Max. 6.5 W
	Control mode	On/Off type, power on - open, power off – closed, spring return
	Running time	Open: < 18s, closed: < 7s
Material	Body:	Forged brass
	Shaft:	Forged brass

V1.1 09. 2025 Information is subject to change without prior notice

	Seat	EPDM
Safety performance	Environmental compatibility	ISO 9001 (Quality)
	Ambient temperature	0... 50 °C
	Maintenance	Maintenance-free
Size	Size	See "Dimensions"

Functional features/Device Installation

Operation Mode

On/Off Control:

- The actuator consists of a motor with a mechanical fail-safe function, which connects the AC power to the L and N cables, and the electric valve opens; Disconnect the power supply and the motorized valve automatically resets to the closed position.

Manual operation

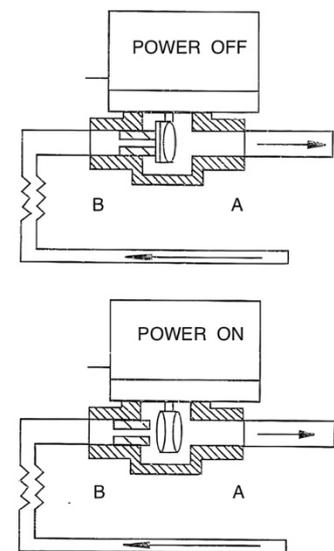
- It can be opened manually by means of the manual lever that comes with the actuator: slowly move the manual lever and hold it in the fixed notch, and the valve opens; When the valve is first energized, the manually operated lever returns to the automatic position.
- Please operate this device according to the label on the device.

Detachable actuator

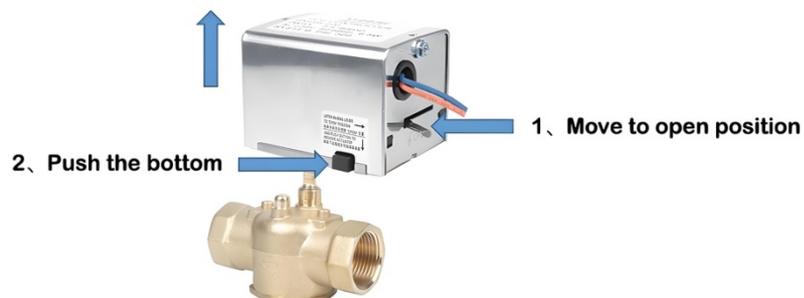
- The valve actuator can be easily removed with a push rod for easy maintenance.

Equipment installation

- Before the valve is installed, the pipeline should be clean, free of impurities and free of welding slag.
- The actuator should be mounted vertically above the valve body and the spindle must be positioned above the horizontal plane.
- Sufficient space should be left when installing the valve to allow the actuator to be removed from the valve body for routine maintenance.
- The valve cannot be installed in explosive environments with ambient temperatures above 50°C and below -5°C, nor can it be used in steam, water jets or drips.
- The two-way valve is usually installed on the water supply pipeline of the coil, and the flow direction of the medium should be consistent with the direction of the arrow shown on the valve body, and it cannot be installed in the reverse direction; The B side is the water inlet, and the A side is the water outlet (A and B marks are located at the bottom of the valve body).



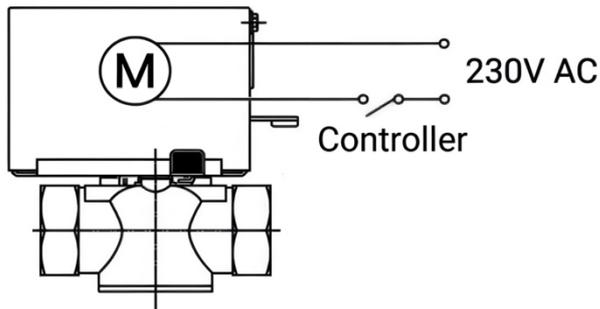
3、 Take away the actuator



Electrical wiring/Safety precautions

Electrical wiring

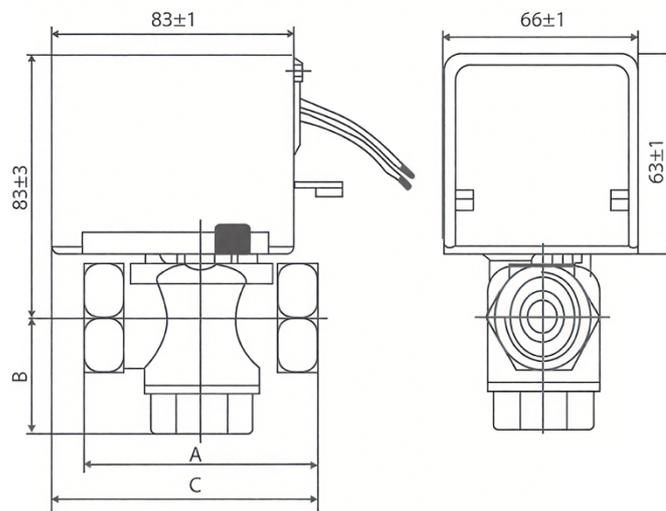
- The electrical connection of the actuator must comply with the relevant local regulations.



Safety matters

- Note: Power supply voltage!
- The device must not be used outside the scope of the designated application, especially on board aircraft.
- The device should only be installed by trained personnel.
- Laws, regulations or locally promulgated regulations must be complied with during installation.
- Do not hit the actuator housing, this device does not contain parts that can be repaired or replaced by the user.
- The cable must not be removed from the actuator.
- The equipment is not allowed to be disposed of as ordinary household waste and must be disposed of in accordance with the relevant regulations and requirements in force in the locality.

Size



Model	Caliber		Kv (Cv) [m³/h]	A [mm]	B [mm]	C [mm]	Connection
	DN	RP					
V2Z230.15	15	1/2"	2.2 (2.5)	70	23	86	Threaded
V2Z230.20	20	3/4"	3.0 (3.5)	79	23	90	Threaded
V2Z230.25	25	1"	6.5 (7.5)	88	23	95	Threaded
V2Z230.32	32	1 1/4"	10.0 (11.7)	90	24	100	Threaded