



The ZSVD fan coil valve is a high quality valve designed to use with the Z2PM detachable actuator. It is use for two position (on/off) control of hot or cold water in heating and cooling HVAC systems. It features a synchronous motor designed for long life trouble free operation. The motorized valves are equipped with spring return mechanism.

- Low cost
- Tight shut-off
- Plastic housing (condensation free)
- Spring return action
- Close-off pressure up to 300 kpa
- Available for 24VAC, 110VAC, 220/240VAC

Function

The ZSVD series two position valves are designed to control heating or cooling water. The Z2PM series of actuators are designed to withstand high moisture conditions found in many concealed installation.

Function

Valves are operated by a hysteresis synchronous motor. Upon demand, a normally closed valve is opened by the command signal of the thermostat. When the temperature is satisfied, a spring returns the valve to the closed position.

Actuator

The actuators are in zinc/plastic casing, standard voltage is 220 VAC. Other voltages on request. A manual handle allows user override to manually open the valve.

Installation

The valves are to be mounted according to the flow direction marks on the valves.

To ensure tight closure and prevent noise when closing, the valves are to be mounted on the return line of a coil.

The 3-way valve is of mixing type and should be mounted on the return line.

The valves are recommended to be mounted with the actuator in an upright or side position.

Models

2-way	3-way	Connection	Kv	+Pc	Actuator
ZSVD215	ZSVD315	DN15	Kv2.0	300kPa	Z2PM-4
ZSVD220	ZSVD320	DN20	Kv2.8	150kPa	Z2PM-4
ZSVD225	ZSVD325	DN25	Kv4.6	120kPa	Z2PM-3
ZSVD232	ZSVD332	DN32	Kv8.5	100kPa	Z2PM-3

Technical data

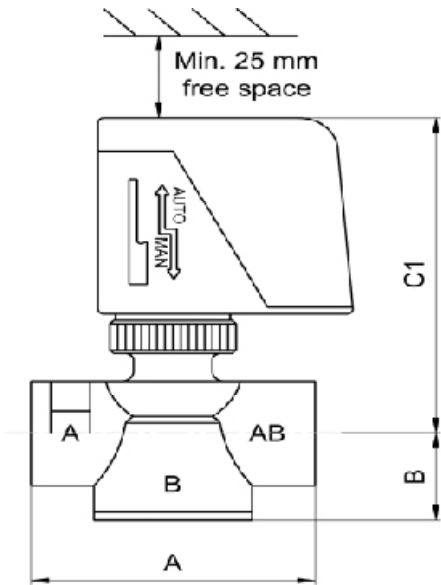
ACTUATORS

Power supply.....220/110/24 Vac, 50-60 Hz, +/-10%
 Power consumption.....6 W
 Actuator type.....synchronous motor
 Opening time.....10 seconds
 Closing time (spring)..... 5 seconds
 Housing material.....Zinc/Fire retardent ABS

VALVES

Fluid temperature.....2 to 94°C
 Operating pressure limits.....PN16
 Connections.....Female thread BSP
 Body material.....Forged brass
 Valve plug.....NBR
 Valve stem.....Stainless steel

Valve Dimensions



Body Type	A	B	C1
ZSVD215	66	26	96
ZSVD220	72	27	99
ZSVD225	89	28	102
ZSVD232	90	38	107
ZSVD315	66	44	96
ZSVD320	72	46	99
ZSVD325	89	49	102
ZSVD332	90	59	107