PRESSURE INDEPENDENT CONTROL VALVE PICV (SPRING RETURN) PN16

CODE . LV 1901

LAVA FLOW SOLUTIONS

PRODUCTS INTRODUCTION:

Dynamic balance valve electric two-way valve is an information product used for temperature control of fan coil unit in HVAC system. It integrates the functions of dynamic balance valve and electric switch. It has compact structure, high control precision and stable operation.

Function:

Electric switch function: according to the control signal of the room temperature controller, open or close the electric control spool.

Dynamic balance function: when the valve is opened, it can dynamically balance the pressure change of the system within the range of working pressure difference, so that the flow rate remains constant and is not affected by the fluctuation of system pressure.

Constant flow to design flow: it can be set according to the design flow of the terminal equipment before delivery, so that the flow is always maintained at the design flow required by the terminal equipment.



Main technical parameters of valve:

Size range: DN20/DN25

Working pressure:PN16

Flow deviation :5%

Closing differential pressure: 0.25mpa

Material: body/brass

Dynamic valve bladder/stainless steel or alloy

The valve core/EPDM

Spring/stainless steel

Sealing ring/EPDM

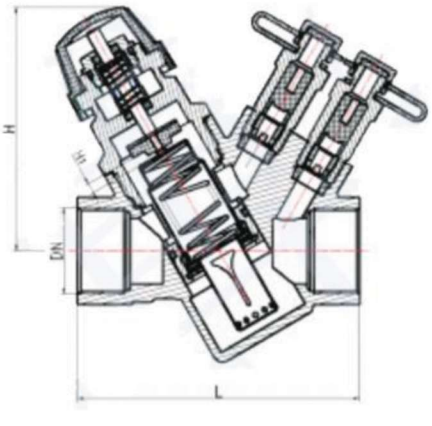
Working medium: water

Medium temperature :0-95°C

Main technical parameters of electric actuator:

Actuators used for small valve switches or PDM executive control for water heating system or central air con ditioning water system closed loop valve dual and temperature control. Small size, light weight, actuator ener gized valve open, power off valve closed, nut connection installation, easy and quick disassembly.

1. Paraffin propeller, driven by PTC heating,
2. Spring return function, the valve is closed after power failure.
3. No noise during operation
4. Indication of the position or opening of the stroke
5. Nut connection and installation, simple and quick, easy to disassemble.
6. voltage: AC24V, 110 v, 230 v, 220 v)
7. Power: 3 w
8. Thrust: 110 n
9. Travel: 3.5 mm.
10. Whole journey time :6min
11. Connection size:M30*1.5mm nut
12. Ambient temperature :-5-60°C
13. Lead length :900mm.
14. Shell material: flame retardant PC.
15. Shell protection grade: IP54



Dimensions

DN	Size Inch	L mm	Tyoe	diviation	working PN	medium T°C	AP (KPT)	Flow rate m³/h
DN20	3/4	86	2way	5%	168 ar	2-90°C	25 -250	0.45-1.76
DN25	1	86	2way	5%				

All size is nominal(indicative)
Actual dimesions may vary