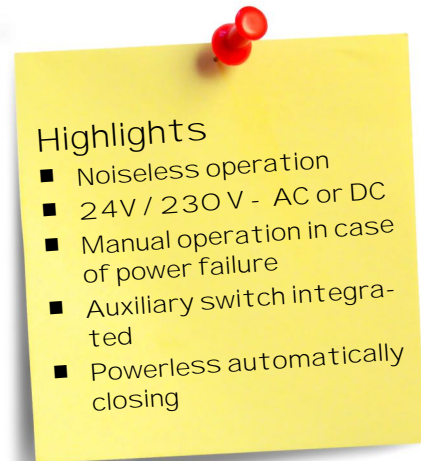


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2-ways / 3-ways, electrothermic, DN 20 - DN 32



Highlights

- Noiseless operation
- 24V / 230V - AC or DC
- Manual operation in case of power failure
- Auxiliary switch integrated
- Powerless automatically closing



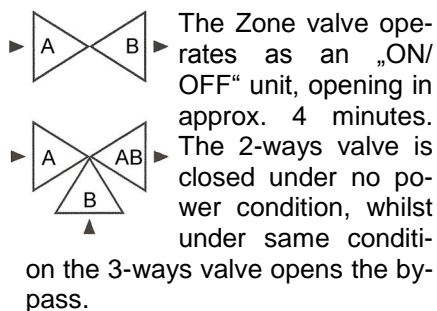
Application

Zone valves have been designed to control the temperature in the individual zones of heating / underfloor heating or cooling installations. In conjunction with time clocks and / or room thermostats they offer the ideal solution in controlling temperatures in apartments, offices, schools and factories.

Product range 2-ways and 3-ways / Standard 24 V

Article-No.	DN	Dimension	Body type
53.1321.000	20	¾"	2-ways
53.1421.000	25	1"	2-ways
53.1521.000	32	1¼"	2-ways
53.1324.000	20	¾"	3-ways
53.1424.000	25	1"	3-ways

Function



The valve operates noiseless. The body and electrothermic actuator are assembled by a bayonet type catch. In the event of power failure, the valve closes automatically. Electrical connection by twin cable (AC or DC).

Technical data / Options

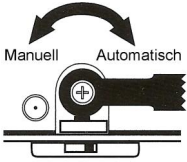
Valve		Order code
Temperature range	4 - 100°C	
Ambient temperature	max. 50°C	
Operating pressure	max. 16 bar	
Differential pressure	max. 1,5 bar	
Connections	female thread	
Actuator		
Opening time	approx. 4 Min.	
Power supply	230 V AC or DC 24 V AC or DC	53.2x2x.000 53.1x2x.000
Power consumption	20 VA	
Protection class	IP20	

According to EU regulations 89/336/EEC and 73/23/EEC

Materials

Valve	gunmetal
Power unit cover	plastic
Spindle / Spring	stainless steel

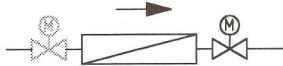
Manual operation



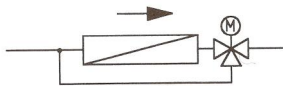
In position „automatic“ (standard) the valve is closed with no power.

By switching to position „manual“ you open the valve manually.

Application



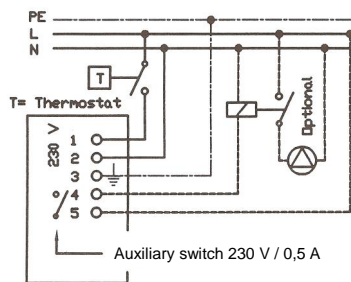
2-ways valve: Installation in flow or return



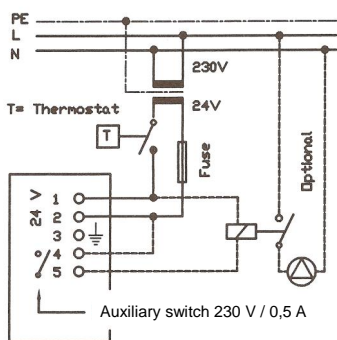
3-ways valve: Installation only in return

Electrical wiring diagram

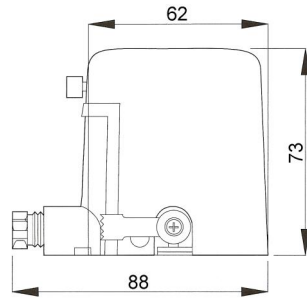
230 V



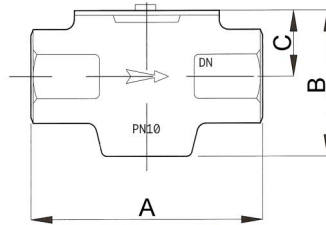
24 V



Dimensions

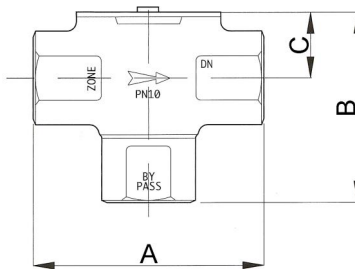


Actuator
24 V or 230 V



2-ways

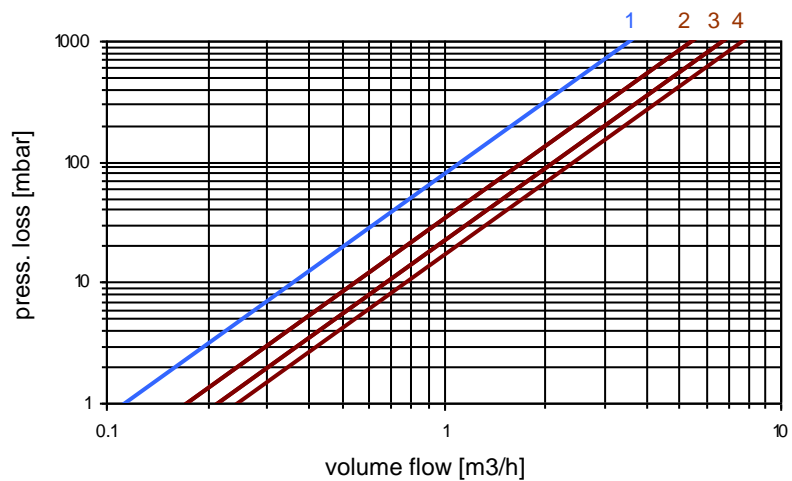
Dim.	A	B	C
3/4"	90	61	25
1"	100	61	25
1 1/4"	103	59	25



3-ways

Dim.	A	B	C
3/4"	90	78	25
1"	100	78	25

Pressure loss diagram



Line	Valve	Kvs-value
1	Bypass (B) on 3-ways 3/4" + 1"	3,6
2	3/4" 2-ways + 3-ways	5,5
3	1" 2-ways + 3-ways	6,8
4	1 1/4" 2-ways	7,8

Installation

- Possible in any position except with actuator hanging in downward position.
- Check flow direction.
- Flush tubes before installing.