



**ZGV is a series of 2 and 3-way control valves intended for use in HVAC hot and cold water application.**

- \* Size DN25 up to DN50
- \* Kv value 10 ... 40
- \* Differential pressure 0.2 ... 0.6 MPa
- \* Pressure rating PN16
- \* Fluid temperature 2 ... 94°C
- \* Metal to metal seat

### Models

The valve series ZGV is intended for use together with actuator for control of cold and hot water applications. The 3-way valve can be used as a mixing valve as well as a diverting valve.

### Function

2-way valve:  
Open when the stem is in the bottom position.  
Closed when the stem is in the top position.

3-way valve:  
Open between port AB and port A when the stem is in the bottom position (*closed between port AB and B*).  
Open between port AB and port B when the stem is in the top position (*closed between port AB and A*).

### Actuator

The valves are intended for use together with actuator model ZVA series and ZEA series.

### Installation

The 2-way valve is to be mounted with port AB at the intake and port A at the return (flow direction AB in A out) to make sure that the cone will be watertight and prevent noise when closing.  
The 3-way valve can be mounted as mixing or diverting configuration.  
Make sure to mount the 3-way valve so that correct flow directions are obtained.

### Models

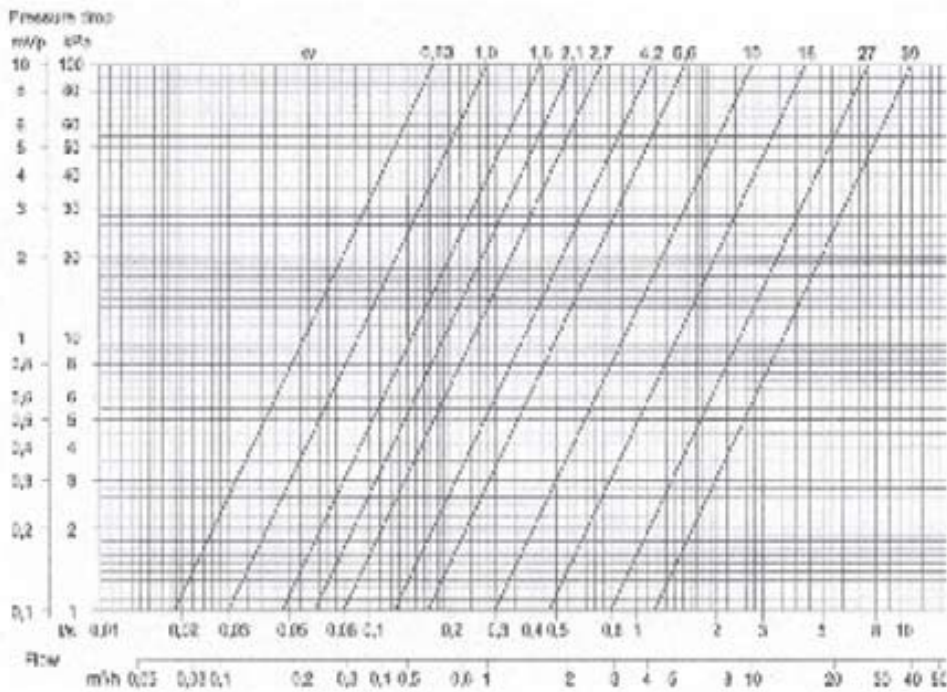
<u>2-way</u>	Connection	Kv	Max. diff. press	<u>3-way</u>	Connection	Kv	Max. diff. press
<b>ZGV2200-25</b>	DN25	Kv10	0.6 MPa	<b>ZGV2300-25</b>	DN25	Kv10	0.6 MPa
<b>ZGV2200-32</b>	DN32	Kv16	0.4 MPa	<b>ZGV2300-32</b>	DN32	Kv16	0.4 MPa
<b>ZGV2200-40</b>	DN40	Kv25	0.3 MPa	<b>ZGV2300-40</b>	DN40	Kv25	0.3 MPa
<b>ZGV2200-50</b>	DN50	Kv40	0.2 MPa	<b>ZGV2300-50</b>	DN50	Kv40	0.2 MPa

### Technical data

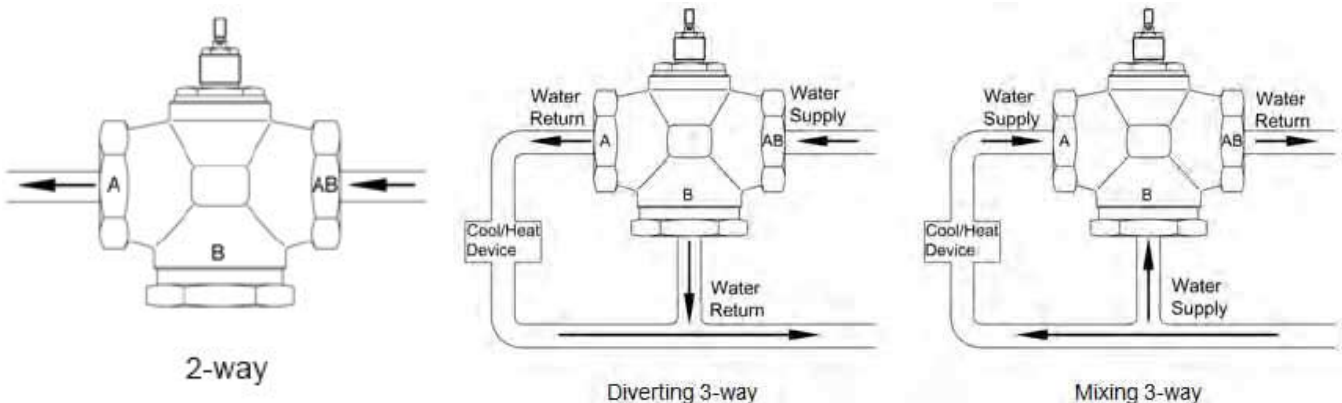
Flow characteristics	Equal Percentage	Rangeability	50:1
Media temperature	2 ... 94°C	Pressure rating	PN16
Media	Hot, cold water		
Pipe Connection	BSP female thread to ISO228/1	Material	Body Casting brass
Stroke	20 mm		Cone Forging brass/Nitrile rubber gasket
Max leakage	0.05% of Kv		Stem Stainless steel 1Cr18Ni19 (AISI 302)

### Dimensions / Pressure Drop Diagram

FIGURE	MODEL	DIMENSIONS (mm)		
		A	B	C
	ZGV2200-25	110	60	111
	ZGV2200-32	120	66	111
	ZGV2200-40	130	68	114
	ZGV2200-50	145	72	126
	ZGV2300-25	110	78	111
	ZGV2300-32	120	82	111
	ZGV2300-40	130	82	114
	ZGV2300-50	145	91	126



### Wiring, Manual Switch, Assembly & Disassembly



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