



**ZSSV400S is a series of 2 and 3-way control valves intended for use in HVAC hot and cold water and steam application.**

- \* Size DN25 up to DN50
- \* Kv value 10...40
- \* Differential pressure 0.3...1 MPa
- \* Pressure rating PN16
- \* Fluid temperature 0...130°C
- \* Casting stainless steel body

#### Function

The valve series ZSSV is intended for use together with actuator for control of cold and hot water and steam 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

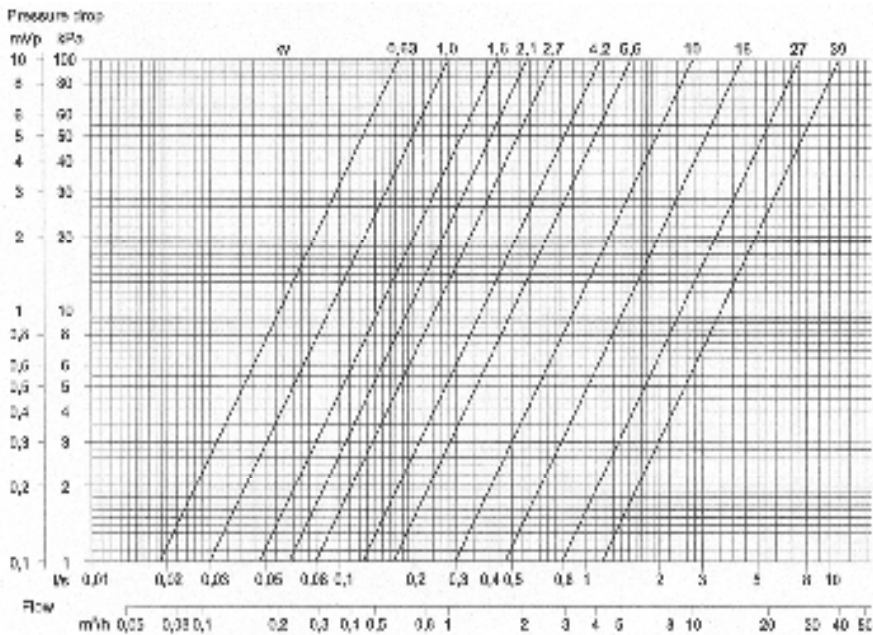
<u>2-way</u>	Connection	Kv	Max. close-off press	<u>3-way</u>	Connection	Kv	Max. close-off press
<b>ZSSV4200S-25</b>	DN25	kv 10	1.0 MPa	<b>ZSSV4300S-25</b>	DN25	kv 10	1.0 MPa
<b>ZSSV4200S-32</b>	DN32	kv 16	0.75 MPa	<b>ZSSV4300S-32</b>	DN32	kv 16	0.75 MPa
<b>ZSSV4200S-40</b>	DN40	kv 25	0.5 MPa	<b>ZSSV4300S-40</b>	DN40	kv 25	0.5 MPa
<b>ZSSV4200S-50</b>	DN50	kv 40	0.3 MPa	<b>ZSSV4300S-50</b>	DN50	kv 40	0.3 MPa

## Technical data

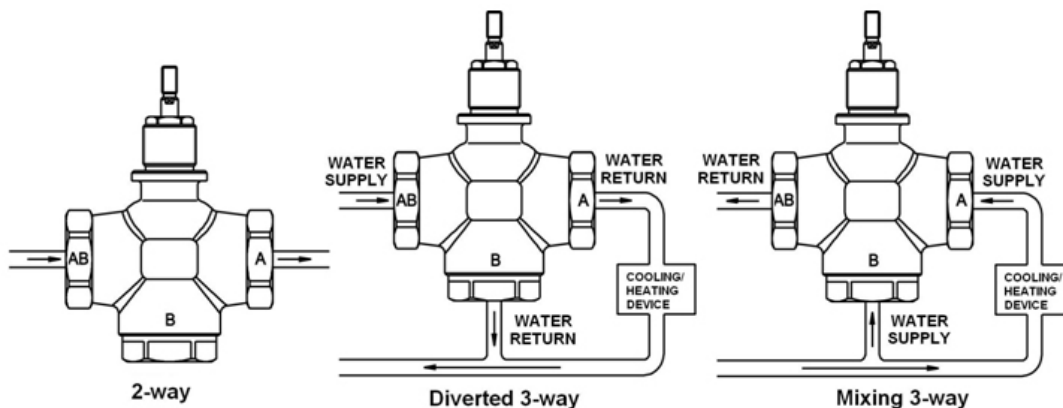
Flow characteristics	Equal Percentage	Rangeability	50:1
Media temperature	0...130°C	Pressure rating	PN16
Media	Hot, cold water, steam		
Pipe Connection	BSP female thread to ISO228/1	Material	Body Casting stainless steel
Stroke	20 mm		Forging brass/Nitrile rubber gasket
Max leakage	0.05 % of Kv		1Cr18Ni9 Viton

## Dimensions/ Pressure Drop Diagram

FIGURE	MODEL	TYPE	DIMENSIONS (mm)		
			L1	L2	H
	ZSSV-4200S-25	2-way	110	51	147
	ZSSV-4200S -32		120	54	155
	ZSSV-4200S -40		130	59	164
	ZSSV-4200S -50		145	66	175
	ZSSV-4300S -25	3-way	110	53	150
	ZSSV-4300S -32		120	65	166
	ZSSV-4300S -40		130	71	176
	ZSSV-4300S -50		145	78	187



## Installation



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