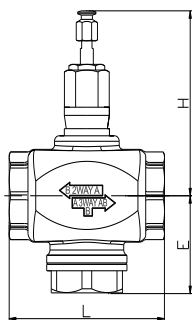


GVS Globe Valve, Three-way



Dimension/Weight

Model	Dimension(mm)			Screw	Weight kg
	L	H	E		
GVS3015	84	118.5	48.5	G1/2	0.93
GVS3020	84	118.5	48.5	G3/4	0.93
GVS3025	104	124	59	G1	1.416
GVS3032	110	127	63	G1-1/4	1.68
GVS3040	120	129.5	67	G1-1/2	2.05
GVS3050	130	134	72.5	G2	2.9

Applications & Features

- Three-way globe valve, screw connection, can be applied in the flow control of hot, cold water in various HVAC systems or equipment, such as AHU, coil, etc.
- Can work with Fluxera's globe valve actuator GVA series or other applicable actuators. It can be installed with actuators easily without any accessories
- equal percentage flow characteristics
- Valve stem can be positioned accurately, ensures the precise flow control
- Direct big flow rate, small flow resistance
- Compact and simple structure, easy to install in small installation space
- Special design for small force but big closing pressure
- Low leakage rate, open/close softly, can prevent water hammer

Specifications

Size: DN15~50

Pressure: PN16

Medium: Cool, hot water, 50% or lower glycol water

Medium temperature: -10~95°C

Flow characteristics: A-AB: Equal percentage; B-AB: Linear

Leakage rate: A-AB≤0.05%; B-AB: 1%~2% Kvs;
no leak on stem

Valve type: Three-way

Regulating ratio: >100: 1

Stroke: 10~20mm, see Models

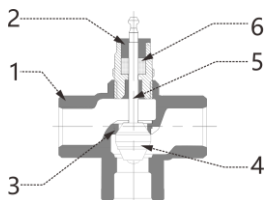
Pipe connection: Screw, comply with ISO7-1 Rp

Action direction: A-AB Close when stem goes up

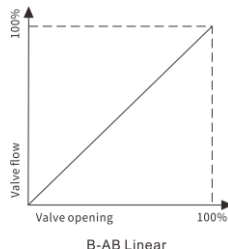
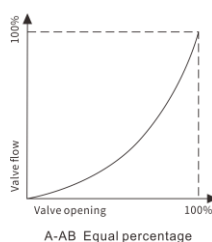
Install direction: Valve stem upward or horizontal

Structure & Materials

1. Valve body: Brass
2. Valve deck: Brass
3. Valve seat: RPTFE
4. Valve core: Nickel-plated copper
5. Valve stem: SS
6. Valve ring: PTFE, EPDM



Flow Characteristics



Formula for Flow Rate & Diff. Pressure

$$Kvs = \frac{F}{\sqrt{\frac{\Delta P}{100}}}$$

ΔP : Differential pressure when valve is 100% open, unit kPa

F: Flow rate when differential pressure is ΔP , unit m³/h

Kvs: When valve is 100% open, differential pressure is 100kpa, medium density is 1g/cm³, the flow through the valve, unit m³/h

Models and Closing Diff. Pressure

Model	DN		Kvs	Stroke mm	Closing Diff. Pressure(kPa)			
	mm	in	m³/h		600N		1000N	
					ΔPs	ΔPm	ΔPs	ΔPm
GVS3015	15	1/2	3.1	20		800		
GVS3020	20	3/4	5	20		800		
GVS3025	25	1	7.4	20		800		
GVS3032	32	1-1/4	11.5	20		700		
GVS3040	40	1-1/2	15.2	20		500		800
GVS3050	50	2	44	20		350		600

ΔPs : (under the actuator force), the max. permitted diff. pressure for ensuring the valve is 100% close.

ΔPm : (under the actuator force), in the stroke, the max. permitted diff. pressure for ensuring the valve is in normal working condition.

Applied Actuators

GVA06/GVA10
600N/1000N(20mm)

