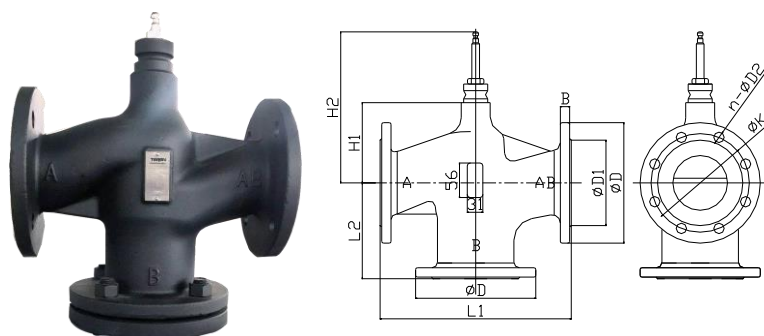


GVF Globe Valve, Three way

Dimension/Weight



Model	Dimension(mm)				Weight kg
	L1	L2	H1	H2 A-AB Close	
GVF3015	130	65	63	159	4.1
GVF3020	150	75	63	159	5.3
GVF3025	160	80	63	159	6.0
GVF3032	180	90	60	156	8.6
GVF3040	200	100	60	156	10.0
GVF3050	230	115	100	196	12.5
GVF3065	290	145	115	231	21.5
GVF3080	310	155	115	231	27.8
GVF3100	350	166	146	262	37.6
GVF3125	400	200	159	275	51.5
GVF3150	480	240	186	303	73.6
GVF2200	495	165	243	360	119
GVF3250	622	203	275	391	159

Applications & Features

- Three-way globe valve, flange 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 globe valve actuator GVA series or other applicable actuators. It can be installed with actuators easily without any accessories
- Standard flange complies with ISO7005 and HG20592
- Lengthened stem gives better heat release
- Balanced valve core can compensate for pressure, assembled piston sealing structure makes the valve work very stable even under high differential pressure
- equal percentage flow characteristics
- Valve stem can be positioned accurately, ensures the precise flow control
- Direct big flow rate, small flow resistance, no slag blocking
- Multiple sealing, very low leakage rate

Specifications

Size: DN15~250

Pressure: PN16

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

Medium temperature: -10~120°C

Valve type: Three-way

Strike: 10~40mm, see Models

Flow characteristics: A-AB: equal percentage; B-AB: linear

Regulating ratio: DN15~50: 50: 1; DN65~250: 100: 1

Leakage rate: A-AB: ≤0.01% Kvs (DN15~DN150), ≤0.02%

Kvs(DN200~DN250); B-AB: 0.5%~2%Kvs; no leak on stem

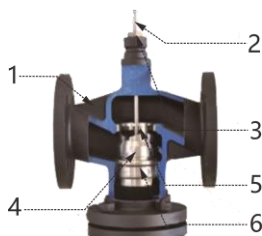
Pipe connection: Flange, comply with ISO7005, HG20592

Action direction: A-AB close when stem goes up

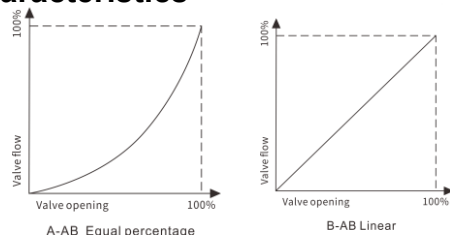
Install direction: Valve stem upward or horizontal

Structure & Materials

1. Valve body: Nodular cast iron
2. Valve stem: 2Cr13 SS
3. Valve box: 304 SS
4. Valve core: 304 SS
5. Valve ring: 304 SS
6. Balancing cylinder: 304 SS



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	Strike	Closing Diff. Pressure (ΔPm, kPa)			
	mm	in	m³/h	mm	600N		1000N	
					Mix	Split	Mix	Split
GVF3015	15	1/2	4	10	400	100		
GVF3020	20	3/4	6.3	10	300	75		
GVF3025	25	1	10	15	300	75		
GVF3032	32	1-1/4	16	20	300	75		
GVF3040	40	1-1/2	25	20	300	75	400	100
GVF3050	50	2	40	20	200	75	400	100
GVF3065	65	2-1/2	63	20			300	100
GVF3080	80	3	100	20			200	75
					2000N		3500N	
					Mix	Split	Mix	Split
GVF3100	100	4	150	40	300	100		
GVF3125	125	5	220	40	200	75		
GVF3150	150	6	315	40	200	50		
GVF3200	200	8	450	40			150	50
GVF3250	250	10	630	40			75	40

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

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

Applied Actuators

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

GVA20
2000N(20/40mm)

GVA35
3500N(40mm)

