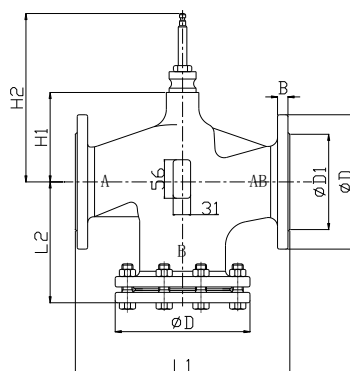


GVF Globe Valve, Two-way



Dimension/Weight

Model	Dimension(mm)				Weight kg
	L1	L2	H1	H2 A-AB Close	
GVF2015	130	87	63	159	4.2
GVF2020	150	99	63	159	5.4
GVF2025	160	104	63	159	6.1
GVF2032	180	119	60	156	8.8
GVF2040	200	129	60	156	10.2
GVF2050	230	146	100	196	12.7
GVF2065	290	178	115	231	21.8
GVF2080	310	190	115	231	28.1
GVF2100	350	206	146	262	38
GVF2125	400	233	159	275	51.9
GVF2150	480	275	186	303	74.1
GVF2200	495	200	243	360	120
GVF2250	622	240	275	391	160

Applications & Features

- Two-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's 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: Two-way

Strike: 10~40mm, see Models

Flow characteristics: Equal percentage

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

Leakage rate: ≤0.01% Kvs (DN15~DN150);
≤0.02% Kvs (DN200~DN250); no leak on stem

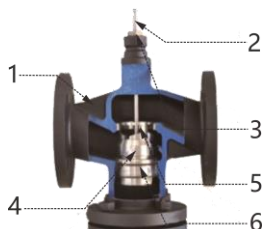
Pipe connection: Flange, comply with ISO7005, HG20592

Action direction: Close when stem goes up

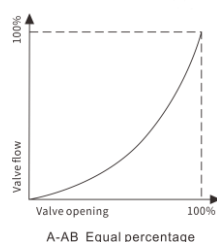
Install direction: Valve stem upward or horizontal

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

Mode	DN		Kvs	Strike	Closing Diff. Pressure(kPa)			
	mm	in	m³/h	mm	600N		1000N	
					ΔPs	ΔPm	ΔPs	ΔPm
GVF2015	15	1/2	4	10	1600	1600		
GVF2020	20	3/4	6.3	10	1600	1600		
GVF2025	25	1	10	15	1600	1200		
GVF2032	32	1-1/4	16	20	1600	1200		
GVF2040	40	1-1/2	25	20	1600	1000		
GVF2050	50	2	40	20	1600	1000		
GVF2065	65	2-1/2	63	20	1600	600	1600	1000
GVF2080	80	3	100	20	1600	400	1600	800
					2000N		3500N	
					ΔPs	ΔPm	ΔPs	ΔPm
GVF2100	100	4	150	40	1600	1000		
GVF2125	125	5	220	40	1600	1000		
GVF2150	150	6	315	40	1600	800		
GVF2200	200	8	450	40			1600	800
GVF2250	250	10	630	40			1600	800

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

ΔP_m : (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)

