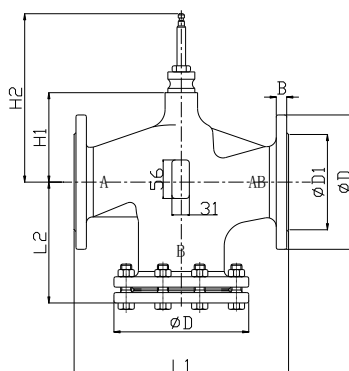


GVFH Globe Valve, Two-way High Temperature



Dimension/Weight

Model	Dimension(mm)				Weight kg
	L1	L2	H1	H2 A-AB Close	
GVFH2015	130	87	63	159	4.2
GVFH2020	150	99	63	159	5.4
GVFH2025	160	104	63	159	6.1
GVFH2032	180	119	60	156	8.8
GVFH2040	200	129	60	156	10.2
GVFH2050	230	146	100	196	12.7
GVFH2065	290	178	115	231	21.8
GVFH2080	310	190	115	231	28.1
GVFH2100	350	206	146	262	38
GVFH2125	400	233	159	275	51.9
GVFH2150	480	275	186	303	74.1

Applications & Features

- Two-way globe valve, flange connection, high temperature, can be applied in the flow control of hot water or steam 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. If applied in steam applications, it's better to select the actuators with fail-safe function
- 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: DN15~150

Pressure: PN16

Medium: Hot water or steam

Medium temperature: 0~200°C

Valve type: Two-way

Strike: 10~40mm, see Models

Flow characteristics: Equal percentage

Regulating ratio: DN15~50: 50: 1; DN65~150: 100: 1

Leakage rate: ≤0.01% Kvs; no leak on stem

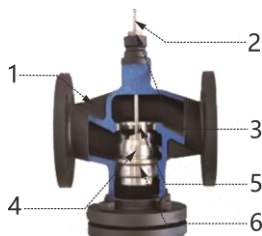
Pipe connection: Flange, comply with ISO7005, HG20592

Action direction: Close when stem goes up

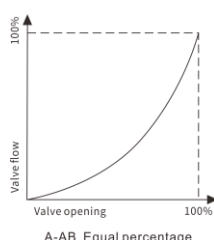
Install direction: Valve stem upward or horizontal

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

Model	DN		Kvs	Strike	Closing Diff. Pressure(kPa)			
	mm	in	m³/h	mm	600N		1000N	
					ΔPs	ΔPm	ΔPs	ΔPm
GVFH2015	15	1/2	4	10	1600	800		
GVFH2020	20	3/4	6.3	10	1600	800		
GVFH2025	25	1	10	15	1600	600		
GVFH2032	32	1-1/4	16	20	1600	400	1600	1200
GVFH2040	40	1-1/2	25	20			1600	1000
GVFH2050	50	2	40	20			1600	800
GVFH2065	65	2-1/2	63	20			1600	800
GVFH2080	80	3	100	20			1600	600
					2000N		3500N	
					ΔPs	ΔPm	ΔPs	ΔPm
GVFH2100	100	4	150	40	1600	800		
GVFH2125	125	5	220	40	1600	800		
GVFH2150	150	6	315	40	1600	600		

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)

