CI GLOBE VALVE FLANGE TYPE JIS 10K

Cast Iron Globe Valve · JIS F 7425 · 10K Flanged · Bolted Bonnet, Rising Stem

BRAND: JINHU ENGINEERING | SKU: SW-0418 | ORIGIN: KOREA | JIS F 7425 | 10K FLANGED

FIG. 1 | CI GLOBE VALVE FLANGE TYPE JIS 10K

PRODUCT OVERVIEW

The CI Globe Valve JIS 10K is a marine pattern stop valve built to JIS F 7425. The disc closes square onto a bronze seat ring, which gives the fine flow control and tight shut off that the globe pattern is chosen for, and makes it the usual valve wherever flow has to be regulated rather than simply stopped.

Flanges are drilled to the JIS 10K marine standard, which is what shipyards and offshore fabricators in the region specify. The bolted bonnet and bronze trim allow the disc, seat and packing to be serviced in place, and the same body is offered as a screw down check valve where a non return function is also needed.

Product type	**Globe valve, flanged, rising stem**
Standard	**JIS F 7425**
Body material	**Cast iron**
Trim material	**Bronze or stainless steel**
Flange rating	**JIS 10K**
Size range	**DN50 to DN300**

TECHNICAL SPECIFICATION

Standard	**JIS F 7425**
Body and bonnet	**Cast iron**
Disc and seat ring	**Bronze or SUS**
Stem	**Bronze or SUS**
Packing and gasket	**Non asbestos**
Handwheel	**Cast iron**

Oil and pulsating water	**10 kgf/cm²**
Non shock water to 120°C	**14 kgf/cm²**
Shell hydro test	**21 kgf/cm²**
Seat hydro test	**15.4 kgf/cm²**
Operation	**Handwheel, rising stem**
Size range	**DN50 to DN300**

BILL OF MATERIALS

#	COMPONENT	MATERIAL	#	COMPONENT	MATERIAL
1	Body	Cast iron	12	Gland bolt	Brass
2	Bonnet	Cast iron	13	Bonnet bolt	Rolled steel
3	Handwheel	Cast iron	14	Handwheel nut	Brass
4	Disc	Bronze or SUS	15	Gland nut	Brass
5	Seat ring	Bronze or SUS	16	Set screw	Rolled steel
6	Disc lock nut	Bronze or SUS	17	Split pin	Brass
7	Yoke bushing	Bronze	18	Lock washer	Brass or SUS
8	Bonnet bushing	Bronze or SUS	19	Packing	Non asbestos
9	Packing gland	Bronze	20	Gasket	Non asbestos
10	Stem	Bronze or SUS	21	Name plate	Brass
11	Bonnet nut	Rolled steel			

Packing and gaskets are non asbestos as standard. Trim is offered in bronze (B trim) or stainless steel (S trim), which changes the permitted working pressure on steam and hot media. Confirm the trim required at order stage.

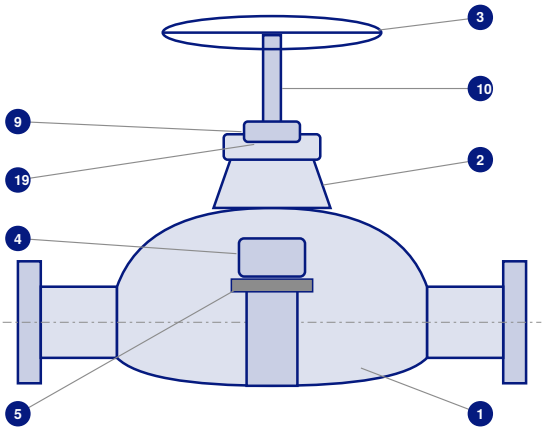

FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS NUMBERED PER THE BILL OF MATERIALS

ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Globe Valve Flange Type JIS 10K
SKU	SW-0418
Size	DN50 to DN300
Flange rating	JIS 10K
Body	Cast iron
Trim	Bronze (B trim) or stainless steel (S trim)
Order example	**SW-0418 / DN100 / JIS 10K / CI BODY / B TRIM**

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DIMENSIONS AND WEIGHTS

SIZE DN	D (MM)	L (MM)	A (MM)	H (MM)	W (MM)	WEIGHT (KG)
50	50	220	10	285	160	19.9
65	65	270	11	310	200	28.7
80	80	300	11	320	200	32.4
100	100	350	12	370	250	48.7
125	125	420	13	420	280	73.1
150	150	490	14	470	315	104
200	200	570	17	555	355	162
250	250	740	20	680	450	304
300	300	840	22	770	500	458

d = bore, L = face to face, a = flange thickness, H = overall height, W = handwheel diameter. Figures are the JIS 10K values from the manufacturer catalogue and are nominal. Certified drawings are issued on request.

COMPLIANCE AND QUALITY

- Designed and dimensioned to JIS F 7425
- Shell hydrostatic test at 21 kgf/cm²
- Seat hydrostatic test at 15.4 kgf/cm²
- Non asbestos packing and gaskets
- Bronze or stainless steel trim to suit the duty
- Material certificate available on request

TYPICAL APPLICATIONS

- Marine and shipboard piping
- Offshore utility systems
- Throttling and regulating duty
- Sea water and ballast lines
- Fire and bilge systems
- General industrial water and oil service

INSTALLATION

- Check that gaskets, bolts and flange faces are clean before assembly
- Tighten flange bolts evenly in a diagonal sequence
- Support the adjacent pipework so the valve carries no bending load
- Install so that flow arrives under the disc unless advised otherwise
- Leave headroom for the rising stem and handwheel

OPERATION AND MAINTENANCE

- Open and close slowly, never use a bar or extension on the handwheel
- Do not leave the valve part open as a permanent throttling position unless it is specified for that duty
- Retighten the gland lightly if weeping appears at the stem
- Exercise the valve periodically on lines that are rarely operated

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