

CI GLOBE VALVE FLANGE TYPE JIS 5K

Cast Iron Globe Valve · JIS F 7425 · 5K Flanged · Bolted Bonnet, Rising Stem

BRAND: JINHU ENGINEERING

SKU: SW-0417

ORIGIN: KOREA

JIS F 7425

5K FLANGED



FIG. 1 | CI GLOBE VALVE FLANGE TYPE JIS 5K

PRODUCT OVERVIEW

The CI Globe Valve JIS 5K 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 5K 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 5K**

Size range **DN50 to DN400**

TECHNICAL SPECIFICATION

Standard	JIS F 7425	Oil and pulsating water	5 kgf/cm ²
Body and bonnet	Cast iron	Non shock water to 120°C	7 kgf/cm ²
Disc and seat ring	Bronze or SUS	Shell hydro test	10.5 kgf/cm ²
Stem	Bronze or SUS	Seat hydro test	7.7 kgf/cm ²
Packing and gasket	Non asbestos	Operation	Handwheel, rising stem
Handwheel	Cast iron	Size range	DN50 to DN400



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.

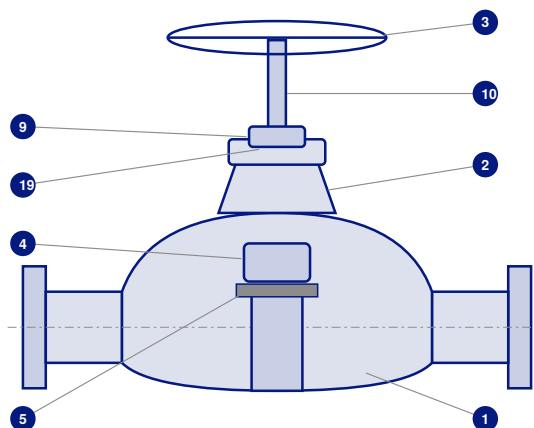


FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS NUMBERED PER THE BILL OF MATERIALS

ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Globe Valve Flange Type JIS 5K
SKU	SW-0417
Size	DN50 to DN400
Flange rating	JIS 5K
Body	Cast iron
Trim	Bronze (B trim) or stainless steel (S trim)
Order example	SW-0417 / DN100 / JIS 5K / CI BODY / B TRIM

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.



PRODUCT DATA SHEET

CI GLOBE VALVE FLANGE TYPE JIS 5K

Ref. SW-0417 | Rev. 01

DIMENSIONS AND WEIGHTS

SIZE DN	D (MM)	L (MM)	A (MM)	H (MM)	W (MM)	WEIGHT (KG)
50	50	210	8	270	160	14.7
65	65	250	9	300	180	21.3
80	80	280	9	310	180	27.7
100	100	340	10	360	224	40.8
125	125	410	11	390	250	57.6
150	150	480	12	445	280	80.3
200	200	570	15	530	315	139
250	250	740	16	650	355	246
300	300	840	17	740	400	377
350	335	940	18	840	500	462
400	380	1050	20	940	630	647

d = bore, L = face to face, a = flange thickness, H = overall height, W = handwheel diameter. Figures are the JIS 5K 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 10.5 kgf/cm²
- Seat hydrostatic test at 7.7 kgf/cm²
- Non asbestos packing and gaskets
- Bronze or stainless steel trim to suit the duty
- Material certificate available on request

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

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

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

COMPANY

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