

CI GATE VALVE FLANGE TYPE JIS 10K

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

BRAND: SW FLOW CONTROLS

SKU: SW-0411

JIS F 7425

10K FLANGED

DN50 TO DN400



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

PRODUCT OVERVIEW

The CI Gate Valve JIS 10K is a marine pattern isolating valve built to JIS F 7425. The wedge lifts clear of the bore when open, so the valve gives almost no pressure drop and is the natural choice wherever a line has to be fully open or fully shut.

Flanges are drilled to the JIS 10K marine standard used by shipyards and offshore fabricators in the region. Seat rings are brass or stainless steel, packing and gaskets are non asbestos, and the bolted bonnet allows the wedge, seats and packing to be serviced in place.

Product type **Gate valve, flanged, non rising stem**

Standard **JIS F 7425**

Body material **Cast iron**

Seat rings **Brass, bronze or stainless steel**

Flange rating **JIS 10K**

Size range **DN50 to DN400**

TECHNICAL SPECIFICATION

Standard	JIS F 7425	Oil and pulsating water	10 kgf/cm²
Body and bonnet	Cast iron	Non shock water to 120°C	14 kgf/cm²
Wedge	Cast iron	Shell hydro test	21 kgf/cm²
Seat rings	Brass, bronze or SUS	Seat hydro test	15.4 kgf/cm²
Stem	Brass, bronze or SUS	Operation	Handwheel, non rising stem
Packing and gasket	Non asbestos	Size range	DN50 to DN400



PRODUCT DATA SHEET

CI GATE VALVE FLANGE TYPE JIS 10K

Ref. SW-0411 | Rev. 01

BILL OF MATERIALS

#	COMPONENT	MATERIAL	#	COMPONENT	MATERIAL
1	Name plate	Brass	12	Screwed bush	Bronze
2	Split pin	Brass	13	Gasket	Non asbestos
3	Handwheel nut	Brass	14	Bonnet bolt	Rolled steel
4	Handwheel	Cast iron	15	Bonnet nut	Rolled steel
5	Gland nut	Brass	16	Body	Cast iron
6	Packing gland	Bronze	17	Disc	Cast iron
7	Gland bolt	Brass	18	Disc seat ring	Bronze or SUS
8	Packing	Non asbestos	19	Disc seat ring	Bronze or SUS
9	Stuffing box	Cast iron	20	Guide bush	Bronze
10	Gasket	Non asbestos	21	Bonnet	Cast iron
11	Stem	Bronze or SUS	22	Guide bush	Bronze

Packing and gaskets are non asbestos as standard. Larger sizes are supplied with bevel gear operation. Seat ring material is confirmed at order stage. The catalogue table omits DN80 and lists DN500 and DN600 without a height figure, so those three sizes are quoted on enquiry.

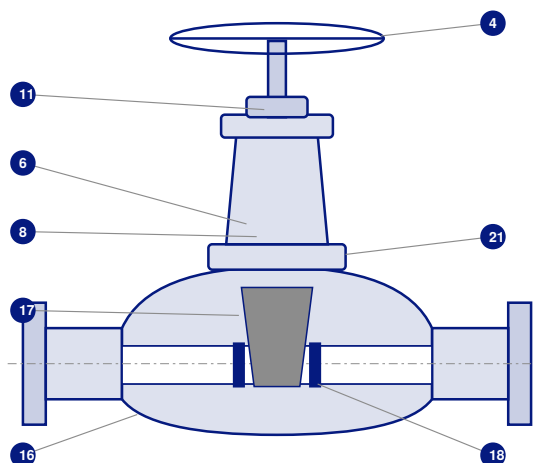


FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS NUMBERED PER THE BILL OF MATERIALS

ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Gate Valve Flange Type JIS 10K
SKU	SW-0411
Size	DN50 to DN400
Flange rating	JIS 10K
Body	Cast iron
Seat rings	Brass, bronze or stainless steel
Order example	SW-0411 / DN150 / JIS 10K / CI BODY

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 GATE VALVE FLANGE TYPE JIS 10K

Ref. SW-0411 | Rev. 01

DIMENSIONS AND WEIGHTS

SIZE	H (MM)	D (MM)	D (MM)	D1 (MM)	T (MM)	L (MM)
50	300	155	50	140	20	200
65	350	175	65	160	22	220
100	450	210	100	200	24	250
125	520	250	125	224	24	270
150	580	280	150	250	26	290
200	700	330	200	315	26	320
250	840	400	250	400	30	380
300	960	445	300	450	32	440
350	1050	490	335	500	34	500
400	1150	560	380	560	36	590

H = overall height, D = flange diameter, d = bore, D1 = bolt circle, t = flange thickness, L = face to face. Nominal, from the JIS 10K manufacturer catalogue. Certified drawings 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
- Brass, bronze or stainless steel seat rings
- 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
- Install with the stem vertical wherever possible
- Flush the line before first operation to clear grit

TYPICAL APPLICATIONS

- Marine and shipboard piping
- Offshore utility systems
- Sea water cooling and ballast lines
- Fire and bilge systems
- Pump station isolation
- General industrial water service

OPERATION AND MAINTENANCE

- Operate fully open or fully closed, never use a gate valve to throttle
- Open and close slowly, never use a bar or extension on the handwheel
- Back the handwheel a quarter turn off the fully open stop

COMPANY

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