

CI GLOBE VALVE FLANGE TYPE PN16 DIN

Cast Iron Globe Valve · DIN 3202-F1 Face to Face · DIN 2501 PN16 Flanges · Rising Stem

BRAND: SW FLOW CONTROLS

SKU: SW-0414

DN15 TO DN300

PN16

DIN 3202-F1



FIG. 1 | CI GLOBE VALVE FLANGE TYPE PN16 DIN

PRODUCT OVERVIEW

The CI Globe Valve PN16 DIN is a rising stem stop valve for throttling and isolation on water and oil service. The disc moves square onto a brass seat, which gives fine control of flow and a tight shut off, and makes the globe pattern the usual choice wherever the flow has to be regulated rather than simply stopped.

Face to face length follows DIN 3202-F1 and the flanges are drilled to DIN 2501 PN16, so the valve drops straight into metric pipework without adaptation. The stem is stainless steel 410 and the bonnet is bolted, so the packing can be renewed and the seat inspected in place.

Product type	Globe valve, flanged, rising stem
Face to face	DIN 3202-F1
Flange standard	DIN 2501 PN16
Body material	Cast iron
Working pressure	16 bar
Size range	DN15 to DN300

TECHNICAL SPECIFICATION

Face to face	DIN 3202-F1	Working pressure	16 bar
Flange ends	DIN 2501 PN16	Shell test	24 bar
Body and bonnet	Cast iron	Seat test	17.6 bar
Seat	Brass	Medium	Water, oil and similar
Stem	Stainless steel 410	Operation	Handwheel, rising stem
Handwheel	GG20 cast iron	Size range	DN15 to DN300

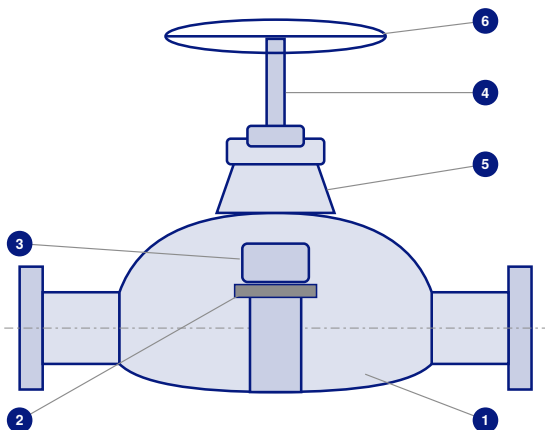


PRODUCT DATA SHEET

CI GLOBE VALVE FLANGE TYPE PN16 DIN

Ref. SW-0414 | Rev. 01

BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	Body	Cast iron
2	Seat	Brass
3	Disc	Cast iron
4	Stem	Stainless steel 410
5	Bonnet	Cast iron
6	Handwheel	GG20 cast iron

The catalogue lists the closure member as a wedge. On this globe pattern valve it is a disc seating square on the brass seat. Gland packing and gasket materials are confirmed at order stage.

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

DIMENSIONS AND WEIGHTS

DN	L (MM)	H (MM)	C (MM)	FLANGE DIA. (MM)	NO. OF HOLES	HOLE DIA. (MM)	P.C.D (MM)	G (MM)	B (MM)
15	130	165	75	95	4	14	65	45	14
20	150	180	75	105	4	14	75	58	14
25	160	195	91	115	4	14	85	68	16
32	180	205	103	140	4	18	100	78	16
40	200	235	135	150	4	18	110	88	18
50	230	250	135	165	4	18	125	102	18
65	290	285	156	185	4	18	145	122	20
80	310	335	200	200	8	18	160	138	20
100	350	370	235	220	8	18	180	158	22
125	400	435	278	250	8	18	210	188	24
150	480	475	315	285	8	22	240	212	24
200	600	555	345	340	12	22	295	268	26
250	730	650	378	405	12	26	355	320	28
300	850	695	378	460	12	26	410	378	30

L = face to face per DIN 3202-F1, H = overall height with the valve closed, C = handwheel diameter, G = raised face diameter, b = flange thickness. Figures are taken from the manufacturer catalogue and are nominal. Certified drawings are issued on request.



PRODUCT DATA SHEET

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ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Globe Valve Flange Type PN16 DIN
SKU	SW-0414
Size	DN15 to DN300
Rating	PN16, 16 bar working
Flanges	DIN 2501 PN16
Face to face	DIN 3202-F1
Order example	SW-0414 / DN80 / PN16 / DIN 3202-F1

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

COMPLIANCE AND QUALITY

- Face to face to DIN 3202-F1
- Flange ends to DIN 2501 PN16
- Shell tested at 24 bar
- Seat tested at 17.6 bar
- Stainless steel 410 stem
- Material certificate available on request

INSTALLATION

- Check that the gaskets, bolts and flange faces are clean before assembly
- Tighten flange bolts evenly in a diagonal sequence
- Do not use the valve to pull misaligned pipework into line
- Support the adjacent pipework so the valve carries no bending load
- Install so that the flow arrives under the disc unless advised otherwise
- Leave headroom above the valve for the rising stem and handwheel

TYPICAL APPLICATIONS

- Throttling and regulating duty on water lines
- Isolation on oil and general utility service
- HVAC and chilled water circuits
- Pump bypass and recirculation lines
- Boiler feed and condensate systems
- General industrial pipework

OPERATION AND MAINTENANCE

- Open and close slowly, never use a bar or extension on the handwheel
- Do not use the valve fully open as a throttling position
- 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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