



CI GLOBE VALVE FLANGE TYPE PN16 BS

Cast Iron Globe Valve · Flanged to BS 5152 · PN16 · Bolted Bonnet, Rising Stem

BRAND: SW FLOW CONTROLS

SKU: SW-0413

BS 5152

DN15 TO DN300

PN16



FIG. 1 | CI GLOBE VALVE FLANGE TYPE PN16 BS

PRODUCT OVERVIEW

The CI Globe Valve PN16 BS is a rising stem stop valve flanged to BS 5152, for throttling and isolation on water and general utility service. The disc closes square onto a brass seat ring, which gives the fine flow control and tight shut off that the globe pattern is chosen for.

Construction is a bolted bonnet with a graphite packed gland and a 2Cr13 stainless stem, so the packing can be renewed and the seat inspected without removing the valve from the line. A steel ball between the stem and the disc lets the disc seat squarely even if the stem is slightly out of line.

Product type **Globe valve, flanged, rising stem**

Flange standard **BS 5152**

Body material **Cast iron**

Seat material **Brass**

Pressure rating **PN16**

Size range **DN15 to DN300**

TECHNICAL SPECIFICATION

Flange standard	BS 5152	Pressure rating	PN16
Body and bonnet	Cast iron	Gland packing	Graphite
Seat ring	Brass	Bonnet gasket	NBR
Disc	Cast iron	Handwheel	Cast iron
Stem	2Cr13 stainless steel	Operation	Handwheel, rising stem
Stem nut	Brass	Size range	DN15 to DN300



PRODUCT DATA SHEET

CI GLOBE VALVE FLANGE TYPE PN16 BS

Ref. SW-0413 | Rev. 01

BILL OF MATERIALS

#	COMPONENT	MATERIAL	#	COMPONENT	MATERIAL
1	Body	Cast iron	11	Gland	Iron
2	Seat ring	Brass	12	Stud	Carbon steel
3	Disc	Cast iron	13	Nut	Carbon steel
4	Bolt	Carbon steel	14	Bonnet	Cast iron
5	Steel ball	2Cr13	15	Stem nut	Brass
6	Stem	2Cr13	16	Bolt	Carbon steel
7	Gasket	NBR	17	Handwheel	Iron
8	Bonnet bolt	Carbon steel	18	Washer	Carbon steel
9	Nut	Carbon steel	19	Handwheel bolt	Carbon steel
10	Packing	Graphite			

Nineteen part numbers are listed. The sectional drawing numbers the principal components only. Fastener grades and packing material are confirmed at order stage.

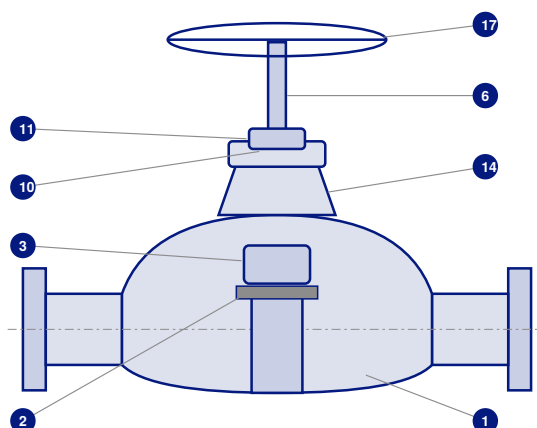


FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS NUMBERED PER THE BILL OF MATERIALS

ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Globe Valve Flange Type PN16 BS
SKU	SW-0413
Size	DN15 to DN300
Rating	PN16
Flanges	BS 5152
Seat	Brass seat ring
Order example	SW-0413 / DN100 / PN16 / BS 5152

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 PN16 BS

Ref. SW-0413 | Rev. 01

DIMENSIONS AND WEIGHTS

DN	D (MM)	D1 (MM)	D2 (MM)	L (MM)	B (MM)	F (MM)	Z-D	H (MM)
15	95	65	46	108	14	2	4-Ø14	204
20	105	75	56	117	16	2	4-Ø14	209
25	115	85	65	127	16	3	4-Ø14	218
32	140	100	76	140	18	3	4-Ø19	239
40	150	110	84	165	18	3	4-Ø19	248
50	165	125	99	203	20	3	4-Ø19	260
65	185	145	118	216	20	3	4-Ø19	286
80	200	160	132	241	22	3	8-Ø19	306
100	220	180	156	292	24	3	8-Ø19	331
125	250	210	184	330	26	3	8-Ø19	388
150	285	240	211	356	26	3	8-Ø23	414
200	340	295	266	495	30	3	12-Ø23	484
250	405	355	319	622	32	3	12-Ø28	533
300	460	410	370	698	32	4	12-Ø28	624

D = flange outside diameter, D1 = bolt circle, D2 = raised face, L = face to face, b = flange thickness, f = raised face height, Z-d = number and diameter of bolt holes, H = overall height closed. Nominal, per the manufacturer drawing.

COMPLIANCE AND QUALITY

- Flanged to BS 5152
- Bolted bonnet with renewable gland packing
- Brass seat ring for tight shut off
- 2Cr13 stainless steel stem
- Shell and seat tested before despatch
- 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
- 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 general utility service
- HVAC and chilled water circuits
- Pump bypass and recirculation lines
- Building services risers
- 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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