



CI GLOBE VALVE CL125 BRASS SEAT

Cast Iron Globe Valve · Flanged to Class 125 · Brass Seat Ring · Bolted Bonnet, Rising Stem

BRAND: SW FLOW CONTROLS

SKU: SW-0415

CLASS 125

BRASS SEAT

DN15 TO DN300



FIG. 1 | CI GLOBE VALVE CL125 BRASS SEAT

PRODUCT OVERVIEW

The CI Globe Valve CL125 is a rising stem stop valve for throttling and isolation on water and general utility service. The ductile iron disc closes square onto a brass seat ring, which gives fine control of flow and a tight shut off, and makes the globe pattern the choice wherever flow has to be regulated rather than simply stopped.

Body and bonnet are gray cast iron to BS 1452 grade 220 and the stem is 2Cr13 stainless steel running in a graphite packed gland, so the packing can be renewed and the seat inspected without taking the valve out of the line. Flanges are drilled to the Class 125 pattern used throughout the region on cast iron water lines.

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

Flange class **Class 125**

Body material **Gray cast iron, BS 1452 grade 220**

Seat material **Brass, BS 2874 CA104**

Disc material **Ductile iron, BS 2789 420/12**

Size range **DN15 to DN300**

TECHNICAL SPECIFICATION

Flange class	Class 125	Gland	Gray cast iron
Body and bonnet	Gray cast iron, BS 1452 grade 220	Bolting	Carbon steel, BS 1769
Body seat ring	Brass, BS 2874 CA104	Handwheel	Gray cast iron
Disc	Ductile iron, BS 2789 420/12	Operation	Handwheel, rising stem
Stem	Stainless steel 2Cr13	Bonnet	Bolted, gasketed
Gasket and packing	Graphite	Size range	DN15 to DN300



BILL OF MATERIALS

#	COMPONENT	MATERIAL	#	COMPONENT	MATERIAL
1	Body	Gray cast iron, BS 1452.220	8	Gland	Gray cast iron, BS 2789.420/12
2	Body seat ring	Brass, BS 2874 CA104	9	Stud	Carbon steel, BS 1769
3	Disc	Ductile iron, BS 2789.420/12	10	Nut	Carbon steel, BS 1769
4	Stem	Stainless steel 2Cr13	11	Bonnet	Gray cast iron, BS 1452.220
5	Gasket	Graphite	12	Handwheel	Gray cast iron, BS 1769
6	Bonnet bolt	Carbon steel, BS 1769	13	Handwheel bolt	Carbon steel, BS 1769
7	Nut	Carbon steel, BS 1769			

The catalogue lists the gland as gray cast iron against a ductile iron material standard. Confirm the gland material at order stage. Gasket and gland packing are graphite as standard.

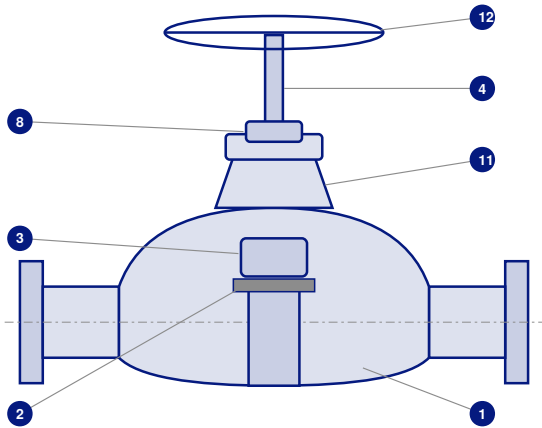


FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS NUMBERED PER THE BILL OF MATERIALS

ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Globe Valve CL125 Brass Seat
SKU	SW-0415
Size	DN15 to DN300
Flange class	Class 125
Body	Gray cast iron, BS 1452 grade 220
Seat	Brass seat ring, BS 2874 CA104
Order example	SW-0415 / DN100 / CL125 / BRASS SEAT

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 CL125 BRASS SEAT

Ref. SW-0415 | Rev. 02

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	98	70	56	117	16	2	4-Ø16	209
25	108	79.5	65	127	16	3	4-Ø16	218
32	117	89	76	140	18	3	4-Ø16	239
40	127	98.5	84	165	18	3	4-Ø16	248
50	152	120.5	99	203	20	3	4-Ø19	260
65	178	129.5	118	216	20	3	4-Ø19	286
80	191	152.5	132	241	22	3	8-Ø19	306
100	229	190.5	156	292	24	3	8-Ø19	331
125	254	216	184	330	26	3	8-Ø22	388
150	279	241.5	211	356	26	3	8-Ø22	414
200	343	298.5	266	495	30	3	12-Ø22	484
250	406	362	319	622	32	3	12-Ø25	533
300	483	432	370	698	32	4	12-Ø25	624

D = flange outside diameter, D1 = bolt circle, D2 = raised face diameter, L = face to face, b = flange thickness, f = raised face height, Z-d = number and diameter of bolt holes, H = overall height with the valve closed. Figures are taken from the manufacturer drawing and are nominal. D1 at DN65 reads 129.5 in the catalogue where the Class 125 pattern would give 139.5, so confirm that one figure before quoting DN65. Certified drawings are issued on request.

COMPLIANCE AND QUALITY

- Class 125 flange drilling
- Body and bonnet to BS 1452 grade 220
- Brass seat ring to BS 2874 CA104
- Ductile iron disc to BS 2789 420/12
- Stainless steel 2Cr13 stem
- 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 so that flow arrives under the disc unless advised
- Leave headroom 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 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

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: SW Flow Controls

The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.