WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 125

CAST IRON GLOBE VALVES HANDWHEEL OPERATED WITH RISING STEM

Globe Valves are mainly used to modulate or regulate the volume of the flow. A Globe Valve is not recommended when a continuous full flow of fluid is required due to the high pressure drop inherent to the design of a Globe Valve. This type of valve should always be installed so the flow intake enters through the base of the valve seat. The valve has an arrow stamped on the body to indicate the preferred direction on flow. Globe valves may be used with fluids containing particles in suspension.

DESIGN FEATURES

- Globe valves design in accordance with MSS SP-85
- Body and Bonnet Cast iron in Accordance with ASTM A 126 Class B
- Conical Plug Type Disc
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled comforms to ANSI B16.1

STANDARD MANUFACTURING OF PLUG

- Conical Plug Type Disc single piece design with long disc guides is a proven performer for all service conditions, particularly suitable for conditions of severe turbulence and stem vibration.
- Service Conditions WOG-Water, Oil, Air, Gas, Water, Steam, Pumping Systems.

HANDWHEEL OPERATION

- Handwheels are furnished on all Gate & Globe Valves, manual gear, hydraulic or motor operators and chainwheels can be supplied when specified.
- By-Pass, Drains and Special connections, are available upon request.
- Stem Nut, replaceable in line to avoid shut down of pipe line process.
- Rising stem with trapezoidal metric thread for quick operation. Surface finish suitable to seal properly to obtain low fugitive emissions.

TRIM MATERIALS

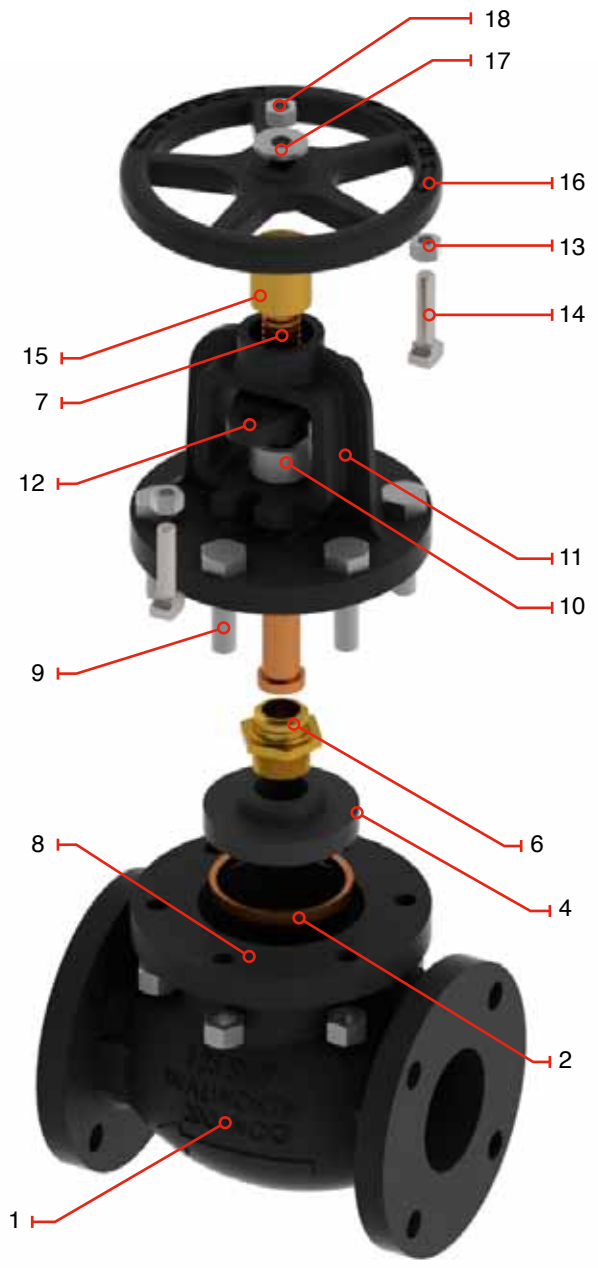
- Cast Iron Valves are provided with Bronze Seat and Brass Stem
- WALWORTH use asbestos-free sealers for all Cast Iron Valves.
- Graphite is used for Gaskets and Packing
- Glands may be threaded or bolted type
- Bronze trim valves are recommended for steam, water, sea water, air, and noncorrosive oil or gas.
- All iron valves are recommended for oil, gas, or fluids that corrode bronze, but not iron or steel.

WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 125

DESIGN FEATURES

- Design in accordance with MSS SP-85
- CLASS 125
- Rising Stem
- Cast Iron Construction
- Bolted Body design
- Handwheel Operated
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled conforms to ANSI B16.1

125 psi (8.6 Bar) Saturated Stem @ 350°F (178°C)
200 psi (13.8 Bar) Cold water pressure @ -20°F(-29 °C) to 150 °F(66°C).



Regular Bill of Materials

No.	Description	Brass
1	Body	ASTM A126 class B
2	Body Seat Ring	ASTM B62 Grade C83600
3	Disc Seat Ring*	ASTM B62 Grade C83600
4	Plug Disc*	ASTM A126 class B
5	Washer*	ASTM A182 GR F304
6	Disc Nut	Cast Brass (Mn-Brass)
7	Stem	Brass ASTM B16
8	Gasket	Graphite
9	Bonnet Bolt	Steel
10	Packing	Graphite
11	Bonnet	ASTM A126 class B
12	Packing Gland	ASTM A536 65-45-12
13	Gland Nut	Steel
14	Gland Bolt	Steel
15	Stem Nut	Cast Brass (Mn-Brass)
16	Handwheel	ASTM A126 class B
17	Washer	Steel
18	Nut	ASTM A563 class B
19	Identification Plate*	Aluminum

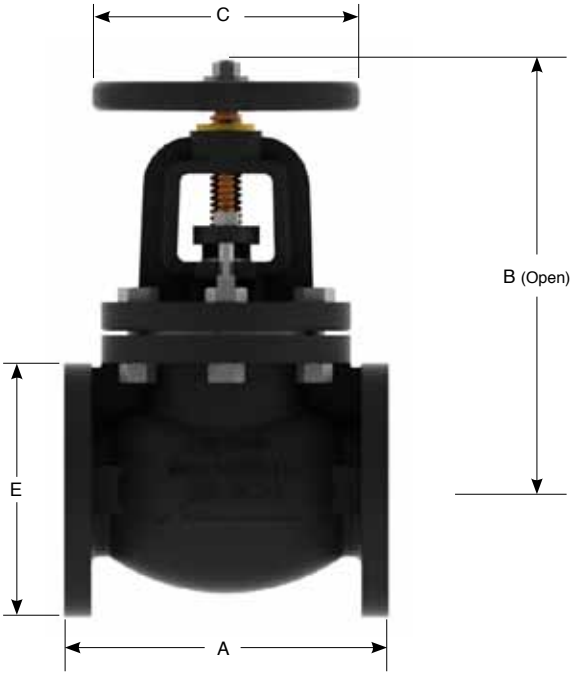
* Not Shown

WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 125

DESIGN FEATURES

- Design in accordance with MSS SP-85
- CLASS 125
- Rising Stem
- Cast Iron Construction
- Bolted Body design
- Handwheel Operated
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled conforms to ANSI B16.1

Catalog Figure No.	Type of Ends
W906F	Flat Face ends



Dimensions and Weights

D Nominal Diameter	mm	51	64	76	102	127	152	203	254	305
	in	2	2 1/2	3	4	5	6	8	10	12
A	mm	203.0	216.0	241.0	292.0	330.0	356.0	495.0	622.0	698.0
	inch	7.99	8.50	9.49	11.50	12.99	14.02	19.49	24.49	27.48
B (Open)	mm	254	292	330	353	387	470	540	565	673
	inch	10.00	11.50	13.00	13.88	15.25	18.50	21.25	22.25	26.50
C	mm	178	178	200	254	300	300	348	400	457
	inch	7.01	7.01	7.87	10.00	11.81	11.81	13.70	15.75	17.99
E	mm	203.0	216.0	214.0	292.0	330.0	356.0	495.0	622.0	698.5
	inch	7.99	8.50	8.43	11.50	12.99	14.02	19.49	24.49	27.50
Weight	kg	28	34	46	76	101	132	201	317	433
W906F	lb	61.74	74.97	101.43	167.59	222.71	291.07	443.22	699.01	954.80
Cv	Flow Coefficient	47.0	76.0	109.0	199.0	320.0	477.0	877.0	1370.0	2048.0

WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 250

CAST IRON GLOBE VALVES HANDWHEEL OPERATED WITH RISING STEM

Globe Valves are mainly used to modulate or regulate the volume of the flow. A Globe Valve is not recommended when a continuous full flow of fluid is required due to the high pressure drop inherent to the design of a Globe Valve. This type of valve should always be installed so the flow intake enters through the base of the valve seat. The valve has an arrow stamped on the body to indicate the preferred direction on flow. Globe valves may be used with fluids containing particles in suspension.

DESIGN FEATURES

- Globe valves design in accordance with MSS SP-85
- Body and Bonnet Cast iron in Accordance with ASTM A 126 Class B.
- Conical Plug Type Disc
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled as per ANSI B16.1

STANDARD MANUFACTURING OF PLUG

- Conical Plug Type Disc single piece design with long disc guides is a proven performer for all service conditions, particularly suitable for conditions of severe turbulence and stem vibration.
- Service Conditions WOG-Water, Oil, Air, Gas, Water, Steam, Pumping Systems.

HANDWHEEL OPERATION

- Handwheels are furnished on all Gate & Globe Valves, manual gear, hydraulic or motor operators and chainwheels can be supplied when specified.
- By-Pass, Drains and Special connections, available upon request.
- Stem Nut, replaceable in line to avoid shut down of pipe line process.
- Rising stem with trapezoidal metric thread for quick operation. Surface finish suitable to seal properly to obtain low fugitive emissions.

TRIM MATERIALS

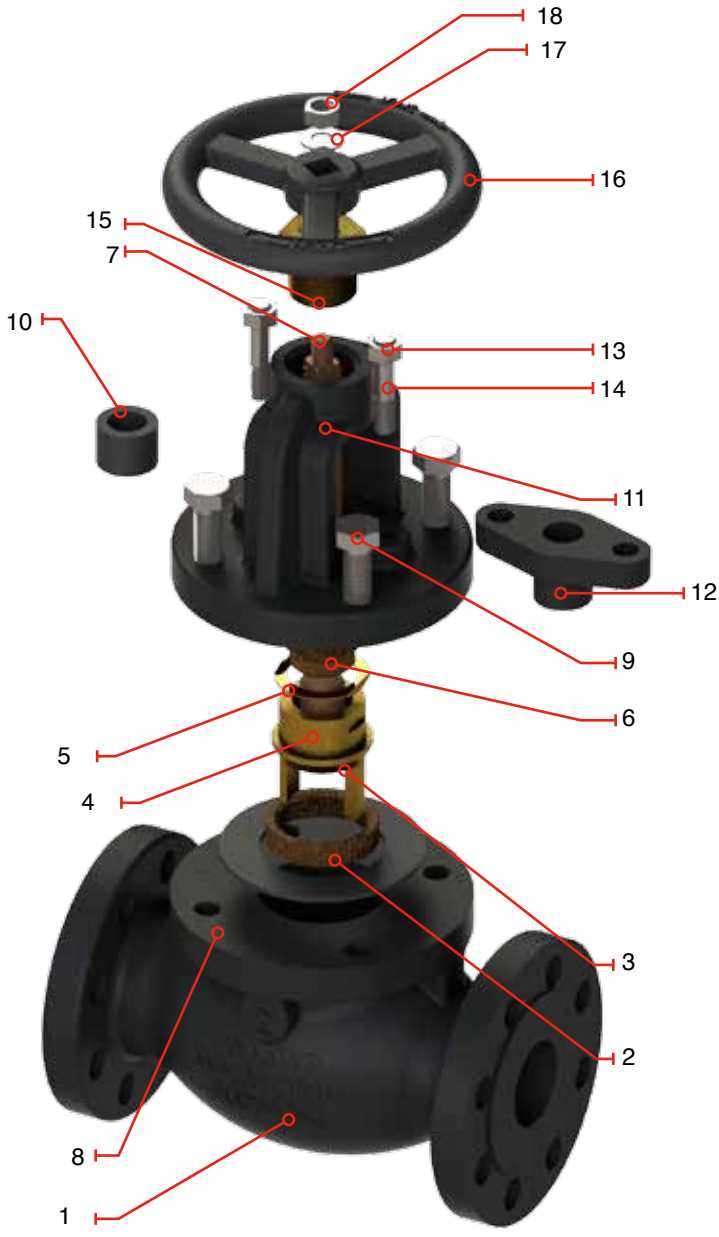
- Cast Iron Valves are provided with Bronze Seat and Brass Stem
- Graphite is used for Gaskets and Packing
- Glands may be threaded or bolted type
- Bronze trim valves are recommended for steam, water, sea water, air, and noncorrosive oil or gas.
- All iron valves are recommended for oil, gas, or fluids that corrode bronze, but not iron or steel.

WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 250

DESIGN FEATURES

- Design in accordance with MSS SP-85
- CLASS 250
- Rising Stem
- Cast Iron Construction
- Bolted Body design
- Handwheel Operated
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled as per ANSI B16.1

250 psi (17.2 Bar) Saturated Stem @ 406°F (207°C)
500 psi (34.5 Bar) Cold water pressure @ -20°F(-29 °C) to 150 °F(66°C).



Regular Bill of Materials

No.	Description	Brass
1	Body	ASTM A126 class B
2	Body Seat Ring	ASTM B62 Grade C83600
3	Disc Seat Ring	ASTM B62 Grade C83600
4	Plug Disc	ASTM B62 Grade C83600
5	Washer	Commercial Brass
6	Disc Nut	Cast Brass (Mn-Brass)
7	Stem	Brass ASTM B16
8	Gasket	Graphite
9	Bonnet Bolt	Steel
10	Packing	Graphite
11	Bonnet	ASTM A126 class B
12	Packing Gland	ASTM A536 65-45-12
13	Gland Nut	Steel
14	Gland Bolt	Steel
15	Stem Nut	Cast Brass (Mn-Brass)
16	Handwheel	ASTM A126 class B
17	Washer	Steel
18	Nut	ASTM A563 class B
19	Identification Plate*	Aluminum

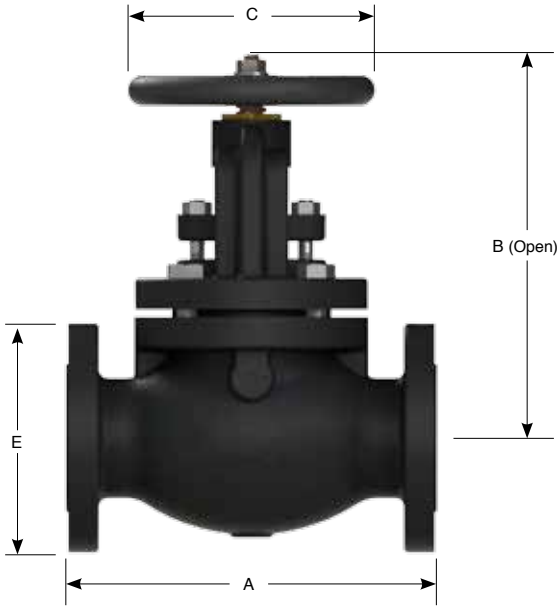
* Not Shown

WALWORTH CAST IRON RISING STEM GLOBE VALVES CLASS 250

DESIGN FEATURES

- Design in accordance with MSS SP-85
- CLASS 250
- Rising Stem
- Cast Iron Construction
- Bolted Body design
- Handwheel Operated
- Face to Face dimensions as per ANSI B16.10
- Flanged drilled as per ANSI B16.1

Catalog Figure No.	Type of Ends
W8955F	Flat Face ends



Dimensions and Weights

D Nominal Diameter	mm	51	64	76	102	127	152	203	254	305
	in	2	2 1/2	3	4	5	6	8	10	12
A	mm	267.0	292.0	318.0	356.0	400.0	444.0	533.0	622.0	711.0
	inch	10.51	11.50	12.52	14.02	15.75	17.48	20.98	24.49	27.99
B (Open)	mm	286	311	334	394	457	514	584	610	718
	inch	11.25	12.25	13.13	15.50	18.00	20.25	23.00	24.00	28.25
C	mm	175	200	254	300	300	348	400	457	457
	inch	6.89	7.87	10.00	11.81	11.81	13.70	15.75	17.99	17.99
E	mm	165.0	191.0	210.0	254.0	279.0	318.0	381.0	445.0	521.0
	inch	6.50	7.52	8.27	10.00	10.98	12.52	15.00	17.52	20.51
Weight	kg	28	34	46	76	101	132	201	317	433
W8955F	lb	61.74	74.97	101.43	167.59	222.71	291.07	443.22	699.01	954.80
Cv	Flow Coefficient	47.0	76.0	109.0	199.0	320.0	477.0	877.0	1370.0	2048.0