

GLOBE VALVE

# Globe Valve ANSI B16.10

REF **EFC-282** ISSUED 05 Jun 2026

## SPECIFICATIONS

Size	<b>DN50–DN600</b>
Pressure	<b>PN10–PN16</b>
End connection	<b>flanged (BS5152)</b>
Face-to-face	<b>ANSI B16.10, BS5152</b>
Temperature	<b>-10°C to 150°C</b>
Media	<b>Fresh water, Sewage, Sea water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalies, Chemicals, Steam</b>

## ACTUATION

- manual handwheel
- worm gear
- pneumatic
- electric

## STANDARDS

Design	<b>MSS SP70</b>
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## APPROVALS & CERTIFICATIONS

- LR (Lloyd's Register)
- ECM (Ente Certificazione Macchine)
- ISO
- EAC
- CE
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product
- BS 5163
- PN10
- PN16
- JIS 10K



- ANSI 150

## **APPLICATIONS**

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- Chemical processing plants
- Power stations
- Municipal water facilities

## MATERIALS

Body	<b>Cast Iron, Ductile Iron</b>	Body Seat Ring	<b>Bronze</b>
Reaction Member	<b>Brass</b>	Disc	<b>Bronze</b>
Gasket	<b>Brass</b>	Boll	<b>Steel</b>
Body Gasket	<b>Graphite</b>	Bonnet	<b>Cast Iron</b>
Packing	<b>Graphite</b>	Packing Gland	<b>Brass</b>
Gland Follower	<b>Ductile Iron</b>	Gland Follower Bolts	<b>Steel</b>
Gland Follower Nuts	<b>Steel</b>	Stem	<b>Brass</b>
Yoke Bushing	<b>Bronze</b>	Handwheel	<b>Cast Iron</b>
Identification	<b>Steel</b>	body	<b>Cast Iron, Ductile Iron</b>
disc	<b>Bronze</b>	seat	<b>Bronze</b>
stem	<b>other</b>	bonnet	<b>Cast Iron</b>

## FEATURES

- Linear motion design for flow regulation and shutoff
- Suitable for isolation and throttling
- Rising stem configuration
- Flanged end connections
- Graphite packing and body gasket
- Multiple body material options: cast iron, ductile iron
- Rising stem with external thread
- Bolted bonnet construction
- Flanged end connections (PN10, PN16, JIS 10K, ANSI 150, BS 5163)
- Handwheel operated
- Body with straight-through port (globe valve pattern)
- Stainless steel stem and bonnet bolting visible
- Orange end-cap protectors fitted to flange faces (transport protection)
- Sectional diagram shows 13 numbered components including: body (1), seat ring area (2, 3), disc/plug assembly (4, 5), stem (6–8), gland packing assembly (9–11), bonnet (12), handwheel (13)

## OPTIONS & NOTES

- Carbon steel and stainless steel body options referenced in description text but not listed in material table
- Products hold up to 10 international authoritative certification certificates

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SECTION Technical drawing REF EFC-282

SIZE		L			PN16			PN10			JIS 10K			ANSI 150				b	f
in	DN	F4	F5	BS5163	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	L		
2	50	150	150	178	165	125	4-19	165	125	4-19	155	120	4-19	150	120.5	4-19	178	19	3
2.5	65	170	170	190	185	145	4-19	185	145	4-19	175	140	4-19	180	139.5	4-19	190	19	3
3	80	180	180	203	200	160	8-19	200	160	8-19	185	150	4-19	190	152.5	4-19	203	19	3
4	100	190	190	229	220	180	8-19	220	180	8-19	210	175	8-19	230	190.5	8-19	229	19	3
5	125	200	200	254	250	210	8-19	250	210	8-19	250	210	8-23	255	216	8-22	254	19	3
6	150	210	210	267	285	240	8-23	285	240	8-23	280	240	8-23	280	241.5	8-22	267	19	3
8	200	230	230	292	340	295	12-23	340	295	8-23	330	290	12-23	345	298.5	8-22	292	20	3
10	250	250	250	330	405	355	12-28	395	350	12-23	400	355	12-25	405	362	12-25	330	22	3
12	300	270	270	356	460	410	12-28	445	400	12-23	445	400	16-25	485	432	12-25	356	24.5	4
14	350	290	290	381	520	470	16-28	505	460	16-23	490	445	16-25	535	476	12-29	381	26.5	4
16	400	310	310	406	580	525	16-31	565	515	16-28	560	510	16-27	595	540	16-29	406	28	4
18	450	330	330	432	640	585	20-31	615	565	20-28	620	565	20-27	635	578	16-32	432	30	4
20	500	350	350	457	715	650	20-34	670	620	20-28	675	620	20-27	700	635	20-32	457	31.5	4
24	600	390	390	508	840	770	24-37	780	725	20-31	795	730	24-33	815	749.5	20-35	508	36	5
28	700	430	430	610	910	840	24-37	895	840	24-31	905	840	24-33	925	863.5	28-35	610	39.5	5
32	800	470	470	660	1025	950	24-41	1015	950	24-34	1020	950	28-33	1060	978	28-41	660	43	5
36	900	510	510	711	1125	1050	28-41	1115	1050	28-34	1120	1050	28-33	1170	1086	32-41	711	46.5	5
40	1000	550	550	813	1255	1170	28-44	1230	1160	28-37	1235	1160	28-39	1290	1200	36-41	813	50	5
48	1200	630	630	-	1485	1390	32-50	1455	1380	32-41	1465	1380	32-39	1510	1422.5	40-41	-	57	5