



# GLOBE VALVE

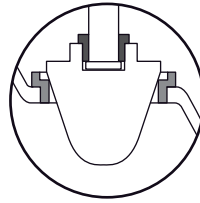
S-PATTERN BELLOW SEALED | S-PATTERN GLOBE VALVE |  
PRESSURE SEALED GLOBE VALVE | ANGLE GLOBE CHECK VALVE |  
GLOBE CHECK VALVE

A Globe valve is a linear motion valve and are primarily designed to stop, start and regulate flow. The disk of a globe valve can be totally removed from the flowpath or it can completely close the flowpath.

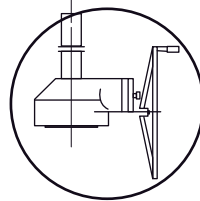
Conventional globe valve may be used for isolation and throttling services. Globe valve are extensively employed to control flow. The range of flow control, pressure drop, and duty must be considered in the design of the valve to avert premature failure and to assure satisfactory service. Valves subjected to high-differential pressure-throttling service require specially designed valve trim.

# GLOBE VALVE S-PATTERN - DIN STD

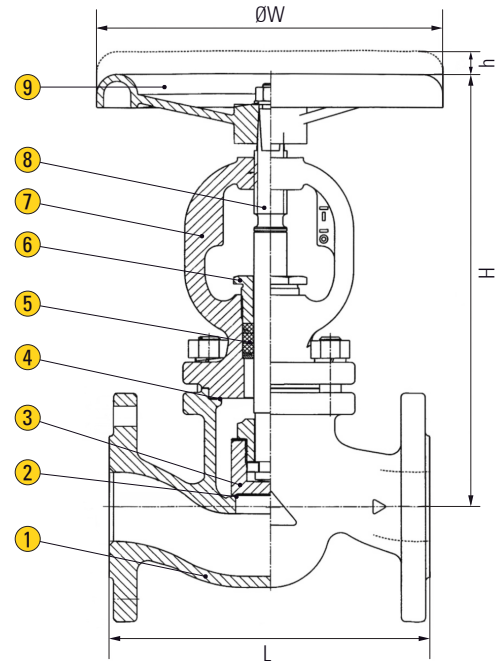
## CAST IRON / CARBON STEEL / STAINLESS STEEL



Option : Regulating Disc



Option : Gear Box



**FIG 215 / 218**

### APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media  
(Refer to corrosion resistance table for valve materials selection).

### SPECIFICATION

Face To Face Dimension  
End Connection

According to EN 558-1 Series 1  
Flanged End to DIN PN16 and PN40

### MATERIAL

Parts	FIG 215 - CI	FIG 218 - CS	FIG 215 / 218 - SS304 / 316
1 Body	Cast Iron EN-GJL-250	Cast Steel GP240GH	Stainless Steel 1.4301 / 1.4408
2 Seat Ring	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
3 Disc	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
4 Bonnet Gasket	Graphite - CrNiSt	Graphite - CrNiSt	SS 304 / 316 + Graphite
5 Packing	Graphite	Graphite	Graphite
6 Gland	Cast Iron EN-GJL-250	Forged Steel C 22.8	Stainless Steel F304 / F316
7 Bonnet	Cast Iron EN-GJL-250	Cast Steel GP240GH	Stainless Steel 1.4301 / 1.4408
8 Stem	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
9 Handwheel	Cast Iron EN-GJL-250	Cast Steel GP240GH	Cast Steel GP240GH

### PREASSURE-TEMPERATURE RATINGS ACC. DIN EN 1092-1/2

Material	Temperature										
	-10°C	20°C	100°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
PN16 - Cast Iron	16 Bar	16 Bar	16 Bar	16 Bar	14 Bar	13 Bar	11 Bar	10 Bar	-	-	-
PN40 - Cast Steel	40 Bar	40 Bar	40 Bar	40 Bar	37 Bar	35 Bar	32 Bar	28 Bar	24 Bar	21 Bar	18 Bar

### DIMENSIONS

Unit : mm

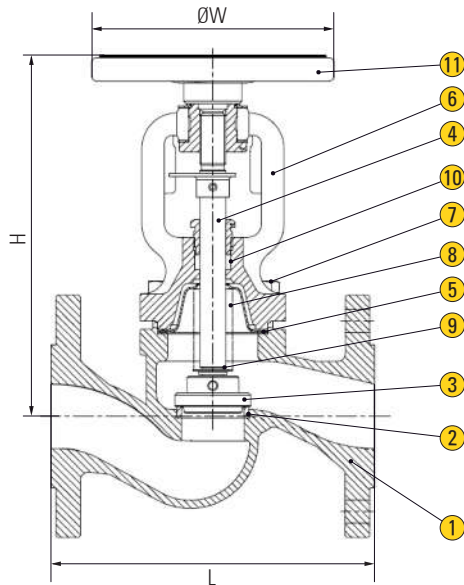
Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
H - PN16	167	167	175	186	235	248	260	291	338	384	429	529	638	710
H - PN40	190	190	205	260	270	275	320	370	405	436	496	576	665	770
ØW - PN16	100	100	120	120	160	160	180	200	250	250	320	360	360	500
ØW - PN40	120	120	120	160	160	160	250	250	320	320	320	400	500	520
Weight (Kg) - PN16	3.3	3.9	5	6.6	8.4	12	17.3	22.7	35.8	52.8	74.2	126	200	315
Weight (Kg) - PN40	4.6	5.3	6	11	12.3	16	28	36	50	63	86	175	326	414

\*Specification given are subject to changed without further notice.

# GLOBE VALVE

## BELLOW SEAL TYPE - DIN STD

CAST IRON / DUCTILE IRON /  
CARBON STEEL / STAINLESS STEEL



Option  
High Performance Long Bonnet  
Bellow Seald Globe Valve

**FIG 215M / 218M**

### APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media  
(Refer to corrosion resistance table for valve materials selection).

### SPECIFICATION

Face To Face Dimension	According to EN 558-1 Series 1
Pressure Rating	PN16 / 40, CLASS 150 / 300
End Connection	Flanged End to DIN PN16 / 40, ANSI 150 / 300
Bellow Design	15mm 150mm (Standard) 200mm - 400mm (With Bellow Protector)

### MATERIAL

Parts	FIG 215M / FIG 218M - CI	FIG 215M / FIG 218M - DI	FIG 215M / FIG 218M	FIG 215M / 218M - SS304 / 316
1 Body	Cast Iron EN-GJL-250	Ductile Iron EN-GJS-400-18-LT	Carbon Steel GP240GH+N	Stainless Steel 1.4301 / 1.4408
2 Seat Ring	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
3 Disc	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
4 Stem	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel X20Cr13	Stainless Steel F304 / F316
5 Bonnet Gasket	SS304 + Graphite	SS304 + Graphite	SS304 + Graphite	SS 304 / 316 + Graphite
6 Bonnet	Carbon Steel GP240GH+N	Carbon Steel GP240GH+N	Carbon Steel GP240GH+N	Stainless Steel 1.4301 / 1.4408
7 Bonnet Nut	A194 2H	A194 2H	A194 2H	A193 B8M
8 Bonnet Stud	A193 B7	A193 B7	A193 B7	A193 8M
9 Bellow	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304 / 316
10 Packing	Graphite	Graphite	Graphite	Graphite
11 Handwheel	St. Coated / Forged Steel C22.8	St. Coated / Forged Steel C22.8	St. Coated / Forged Steel C22.8	St. Coated / Forged Steel C22.8

\*Y-Pattern design and Butt Welded Ends are available on request

### PREASSURE-TEMPERATURE RATINGS ACC. DIN EN 1092-1/2

Material	Temperature									
	-10°C	20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
Cast Iron	16 Bar	16 Bar	16 Bar	14 Bar	13 Bar	11 Bar	10 Bar	-	-	-
Ductile Iron	16 Bar	16 Bar	16 Bar	16 Bar	15 Bar	14 Bar	13 Bar	11 Bar	-	-
Carbon Steel	30 Bar	40 Bar	37 Bar	35 Bar	30 Bar	28 Bar	26 Bar	24 Bar	23 Bar	22 Bar
Stainless Steel	30 Bar	36 Bar	31 Bar	28 Bar	26 Bar	24 Bar	22 Bar	21 Bar	20 Bar	19 Bar

### DIMENSIONS

Unit : mm

Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
H	180	190	220	220	255	260	295	330	350	420	455	550	730	800
ØW	120	140	140	140	160	160	180	200	250	250	350	500	500	500
Weight (Kg)	4.2	4.7	5.6	7.5	9.5	12	17.4	23.3	35.8	56.2	78.8	154	238	339

\*Specification given are subject to changed without further notice.

# GLOBE VALVE API 6D

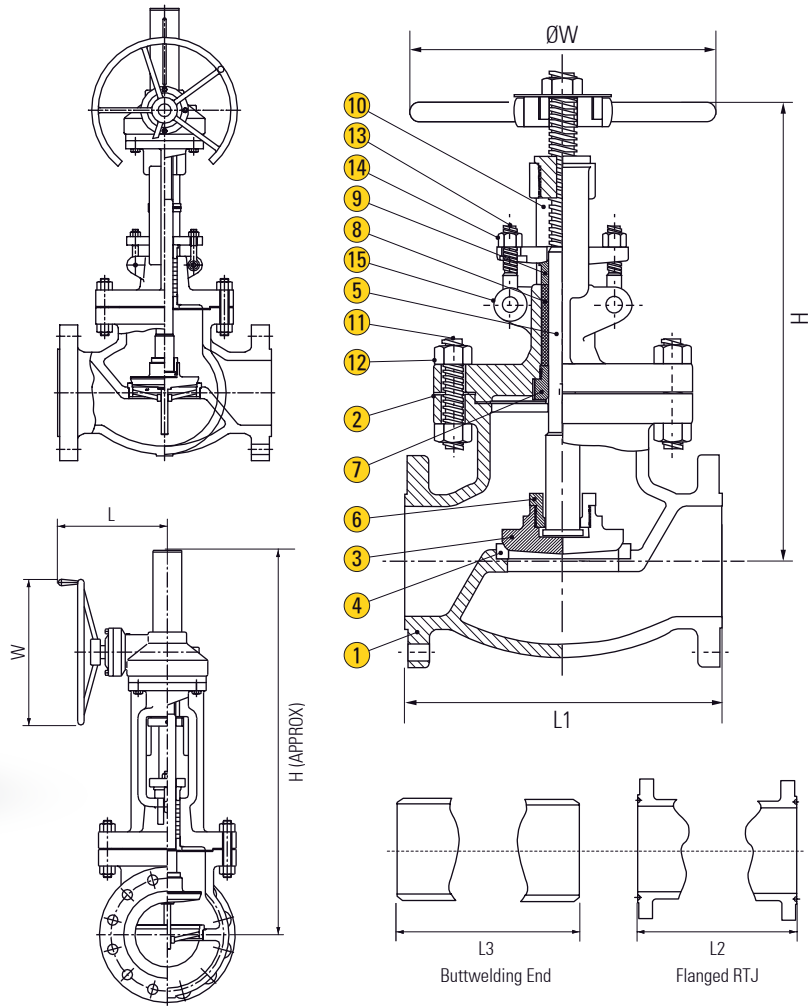
## CARBON STEEL / STAINLESS STEEL

**VALVES**  
MALAYSIA

Tel: 03-5569 6556 (3 Lines) Fax: 03-5569 8557  
+ 6012 422 3782 | Email: sales@valvesmalaysia.com.my  
www.valvesmalaysia.com.my



**FIG GB-6D**



### SPECIFICATION

Designed and Manufactured API 6D  
Face To Face Dimension ASME 16.10  
Pressure Rating Class 150, 300, 600, 900, 1500 and 2500  
Flange End Dimension ASME B16.5

BW End Dimension ASME B16.25  
Test and Inspection API 598  
Pressure - Temperature Rating ASME B16.34

### MATERIAL

Parts	ASTM Specification						
	Standard	High Temperature Service				Low Temperature Service	Corrosion Service
1 Body	A216-WCB	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
2 Bonnet	A216-WCB	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
3 Disc	A217-CA15	A217-WC1	A217-WC6	A217-WC9	A217-C5	A352-LCB	A351-CF8M
4 Body Seat Ring	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A105+HARD FACE	A182-F304	A182-F316
5 Stem	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
6 Disc Gland	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
7 Bonnet Bush	A276-410	A276-410	A276-410	A276-410	A276-410	A276-F304	A276-F316
8 Packing Gland	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-316
9 Gland Flange	A105	A105	A105	A105	A105	A105	A351-CF8/A240-304
10 Yoke Bush	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2	A439-D2
11 Bonnet Bolt	A193-B7	A193-B7	A193-B7	A193-B16	A193-B16	A320-L7	A193-B8
12 Bonnet Nut	A194-2H	A194-2H	A194-2H	A194-4	A194-4	A194-4	A194-8
13 Gland Bolt	A307.B	A307.B	A307.B	A307.B	A307.B	A307.B	A193-B8
14 Gland Nut	A307.B	A307.B	A307.B	A307.B	A307.B	A307.B	A194-8
15 Hinge Pin	A276-410	A276-410	A276-410	A276-410	A276-410	A276-304	A276-304

\*Note : In case of 12" and larger size, We'll use trim material overlaid one on the same or equivalent material of the body.

\*Specification given are subject to changed without further notice.

**CLASS 150** \*(N/A for L2)

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L1 & L3	inch	8.0	8.5	9.5	11.5	14.0	16.0	19.5	24.5	27.5	31.0	36.0	38.5	38.5	51.0
	mm	203	216	241	292	356	406	495	622	699	787	914	978	978	1295
H	inch	10.8	11.4	12.5	13.7	15.6	17.3	22.0	26.4	29.1	54.7	62.6	71.7	80.7	90.6
	mm	275	290	320	350	400	440	560	670	740	1390	1590	1820	2050	2300
W	inch	7.7	7.7	8.5	9.4	11.0	11.8	14.0	15.7	17.7	22.0	22.0	24.0	27.6	27.6
	mm	195	195	215	240	280	300	355	400	450	560	560	610	700	700
L	inch	-	-	-	-	-	-	-	-	-	16.3	16.3	17.0	17.0	
	mm	-	-	-	-	-	-	-	-	-	414	414	432	432	
Weight	LB	46.3	59	72.8	116.9	163.2	209.5	410.1	524.8	804.8	1364.9	1808.1	2154.3	2712.2	3472.9
	Kg	21	27	33	53	74	95	186	238	365	619	820	977	1230	1575

**CLASS 300**

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	32
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	600
L1 & L3	inch	10.5	11.5	12.5	14.0	15.75	17.5	22.0	24.5	28.0	33.0	34	38.5	40	53	62.75
	mm	267	292	318	356	400	445	559	622	711	838	864	978	1016	1346	1594
L2	inch	11.12	12.12	13.12	14.62	16.38	18.12	22.62	25.12	28.62	33.6	34.6	39.12	40.75	53.88	63.4
	mm	283	308	333	371	416	460	575	638	727	854	879	994	1035	1369	1610
H	inch	14.4	15.7	16.1	18.9	26.6	27.6	29.5	31.5	37.6	54.7	62.6	71.7	80.7	90.6	122.0
	mm	365	400	410	480	676	700	750	800	955	1390	1590	1820	2050	2300	3100
W	inch	7.7	8.5	9.4	10.6	12.4	14.0	15.7	17.7	19.7	22.1	27.6	27.6	27.6	31.5	31.5
	mm	195	215	240	270	315	355	400	450	500	560	700	700	700	800	800
L	inch	-	-	-	-	-	-	-	-	-	16.3	18.4	18.4	18.4	20.7	
	mm	-	-	-	-	-	-	-	-	-	414	468	468	468	526	
Weight	LB	61.7	86.0	99.2	189.6	253.6	330.8	621.8	809.2	1045.2	1907.3	2529.1	3014.2	3572.1	5159.7	7364.7
	Kg	28	39	45	86	115	150	280	367	474	865	1147	1367	1620	2340	3340

**CLASS 600**

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14	16
	mm	50	65	80	100	125	150	200	250	300	350	400
L1 & L3	inch	11.5	13.0	14.0	17.0	20.0	22.0	26.0	31.0	33.0	35.0	39.0
	mm	292	330	356	432	508	559	660	787	838	889	991
L2	inch	11.62	13.12	14.12	17.12	20.12	22.12	26.12	31.12	33.12	35.12	39.12
	mm	295	333	359	435	511	562	664	791	841	892	994
H	inch	16.0	19.8	19.9	22.4	31.8	37.8	51.8	59.5	96.9	70.9	76.0
	mm	407	502	505	568	807	959	1315	1511	1775	1800	1930
W	inch	7.7	8.5	10.6	11.8	14.0	15.7	28.0	31.5	35.4	35.4	35.4
	mm	195	215	270	300	355	400	710	800	900	900	900
L	inch	-	-	-	-	-	-	18.4	20.7	26.4	26.4	26.4
	mm	-	-	-	-	-	-	468	526	670	670	670
Weight	LB	114.5	141.1	187.4	330.8	551.3	714.4	1234.8	1741.9	2264.5	2932.7	3825.7
	Kg	52	65	85	150	250	324	560	790	1027	1330	1735

**CLASS 900**

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14
	mm	50	65	80	100	125	150	200	250	300	350
L1 & L3	inch	14.5	16.5	18.0	18.0	22.0	24.0	29.0	33.0	38.0	40.5
	mm	368	419	381	457	508	610	737	838	965	1029
L2	inch	14.62	16.62	15.12	18.12	22.13	24.12	29.12	33.12	38.12	40.88
	mm	371	422	384	460	562	613	740	841	968	1038
H	inch	27.4	27.4	30.5	33.7	53.1	58.6	65.69	63.0	67.1	87.0
	mm	695	695	775	855	1350	1488	1665	1600	1705	2210
W	inch	15.7	15.7	15.7	15.7	19.7	22.0	31.5	31.5	35.4	35.4
	mm	400	400	400	400	500	560	800	800	900	900
L	inch	-	-	-	-	-	16.3	20.7	20.7	26.4	26.4
	mm	-	-	-	-	-	414	526	526	670	670
Weight	LB	271.2	341.8	154	441	815.9	1101.5	2756.3	4520.3	5843.3	8048.3
	Kg	123	155	161	200	370	500	1250	2050	2650	3650

**CLASS 1500**

Valve Size	inch	2	2½	3	4	5	6	8	10	12	14
	mm	50	65	80	100	125	150	200	250	300	350
L1 & L3	inch	14.5	16.5	18.5	21.5	26.5	27.75	32.75	39.0	44.5	49.5
	mm	368	419	470	546	673	705	832	991	1130	1257
L2	inch	14.62	16.62	18.62	21.62	26.61	28.0	33.13	39.38	45.12	50.25
	mm	371	422	473	549	676	711	842	1000	1146	1276
H	inch	27.4	27.4	31.5	40.0	57.1	64.8	77.2	91.0	105.1	126.0
	mm	695	695	799	1015	1450	1645	1960	2310	2670	3200
W	inch	15.7	15.7	19.7	19.7	24.8	28.0	28.0	30.0	30.0	30.0
	mm	400	400	500	500	630	710	710	760	760	760
L	inch	-	-	-	-	-	18.4	18.4	20.2	20.2	22.3
	mm	-	-	-	-	-	468	468	512	512	567
Weight	LB	271.2	341.8	396.9	749.7	1124.6	1482	4630.5	7055.0	9702.0	11907.0
	Kg	123	155	180	340	510	627	2100	3200	4400	5400

**CLASS 2500**

Valve Size	inch	2	2½	3	4	6	8
	mm	50	65	80	100	150	200
L1 & L3	inch	17.75	20.0	22.75	26.5	36.0	40.25
	mm	451	508	578	673	914	1022
L2	inch	17.87	20.25	23.0	26.88	36.5	40.87
	mm	454	514	584	683	927	1038
H	inch	28.35	31.50	34.84	49.61	75.0	97.05
	mm	720	800	885	1260	1905	2465
W	inch	16.0	20.0	22.0	24.0	24.0	24.0
	mm	400	500	560	600	610	610
L	inch	-	-	-	-	-	-
	mm	-	-	-	-	-	-
Weight	LB	388.0	582.0	679.0	1673.3	4387.2	9678.3
	Kg	176	264	308	759	1990	4390

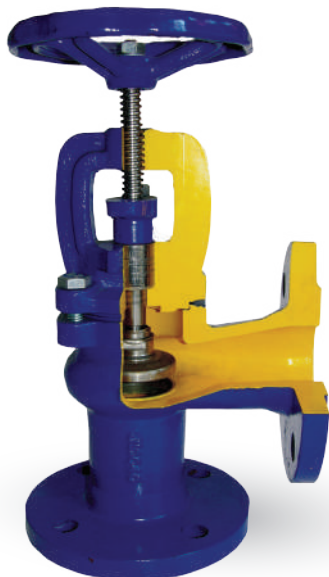
\*Specification given are subject to changed without further notice.

# GLOBE VALVE & GLOBE CHECK VALVE ANGLE PATTERN CAST IRON / CARBON STEEL

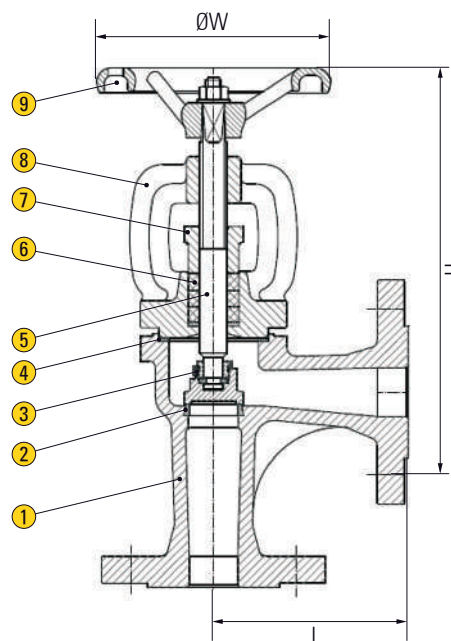
**VALVES**  
MALAYSIA

Tel: 03-5569 6556 (3 Lines) Fax: 03-5569 8557  
+ 6012 422 3782 | Email: sales@valvesmalaysia.com.my  
www.valvesmalaysia.com.my

**VARIMEX** valves<sup>®</sup>  
CO. LTD.



**FIG 216 / 331**  
**FIG 222 / 333**



## APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media  
(Refer to corrosion resistance table for valve materials selection).

## SPECIFICATION

Face To Face Dimension  
End Connection

According to EN 558-1 Series 8  
Flanged End to DIN PN16 and PN40

## MATERIAL

Parts	FIG 216 / 331	FIG 222 / 333
1 Body	Cast Iron EN-GJL-250	Cast Steel GP240GH
2 Seat Ring	Stainless Steel X20Cr13	Stainless Steel X20Cr13
3 Disc	Stainless Steel X20Cr13	Stainless Steel X20Cr13
4 Bonnet Gasket	Graphite - CrNiSt	Graphite - CrNiSt
5 Stem	Stainless Steel X20Cr13	Stainless Steel X20Cr13
6 Packing	Graphite	Graphite
7 Gland	Cast Iron EN-GJL-250	Forged Steel C 22.8
8 Bonnet	Cast Iron EN-GJL-250	Cast Steel GP240GH
9 Handwheel	Cast Iron EN-GJL-250	Cast Steel GP240GH

## PREASSURE-TEMPERATURE RATINGS ACC. DIN EN 1092-1/2

Material	Temperature										
	-10°C	20°C	100°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
PN16 - Cast Iron	16 Bar	16 Bar	16 Bar	16 Bar	14 Bar	13 Bar	11 Bar	10 Bar	-	-	-
PN40 - Cast Steel	40 Bar	40 Bar	40 Bar	40 Bar	37 Bar	35 Bar	32 Bar	28 Bar	24 Bar	21 Bar	18 Bar

## DIMENSIONS

Unit : mm

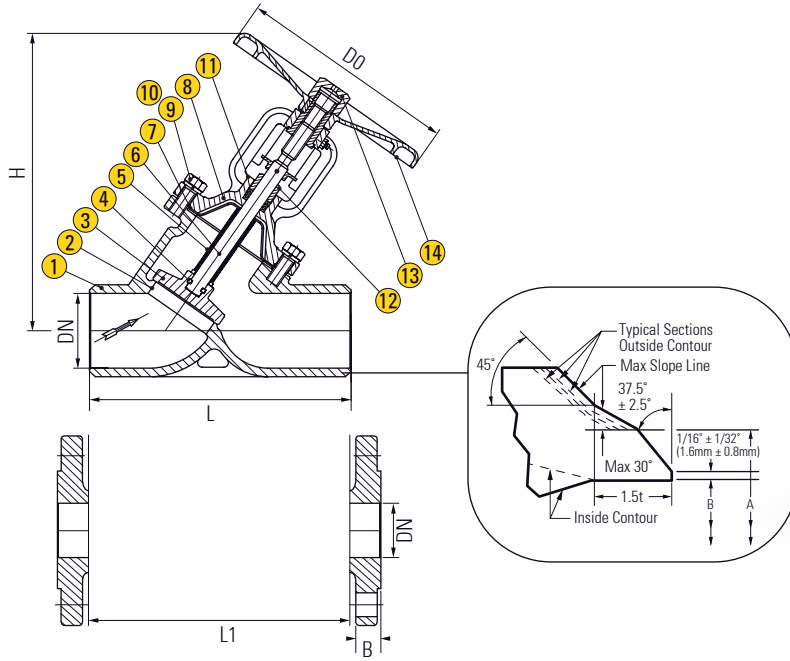
Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	90	95	100	105	115	125	145	155	175	200	225	280	325	375
H - PN16	168	168	181	182	226	228	252	270	326	371	421	505	593	810
H - PN40	175	175	178	249	262	278	306	340	375	422	478	565	637	855
ØW - PN16	100	100	120	120	160	160	180	200	250	250	320	360	360	500
ØW - PN40	120	120	120	160	160	160	250	250	320	320	320	400	500	520
Weight (Kg) - PN16	3.1	3.5	4.8	6.6	8.7	11.8	14	20.5	32.2	46	62	106	184	270
Weight (Kg) - PN40	4.1	4.7	4.9	10.6	13.6	16	28	37	48	59.2	75.5	153	188	327

\*Specification given are subject to changed without further notice.

# GLOBE VALVE

## BELLOW SEAL Y-TYPE - DIN STD

### CARBON STEEL / STAINLESS STEEL



**FIG 218Y**

### APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media (Refer to corrosion resistance table for valve materials selection).

### SPECIFICATION

Face To Face Dimension	According to EN 558-1 Series 1
Pressure Rating	PN16 / 40, CLASS 150 / 300
End Connection	Flanged End to DIN PN16 / 40, ANSI 150 / 300
Bellow Design	15mm 150mm (Standard) 200mm - 400mm (With Bellow Protector)

### MATERIAL

Parts	FIG 218Y - CS	FIG 218Y - SS	FIG 218 - LT
1 Body	1.0619	1.4408	1.1138
2 Body Seat	1.4370	Stellite 21	1.4370t
3 Disc Surface	1.4021	Stellite 6	Stellite 6
4 Disc	1.4021	1.4571	1.4571
5 Bellows	1.4571	1.4571	1.4571
6 Stem	1.4021	1.4571	1.4571
7 Gasket	1.4571 / Graphite	1.4571 / Graphite	1.4571 / Graphite
8 Bonnet	1.0619	1.4408	1.1138
9 Bolts	A2/70	A2/70	A2/70
10 Nuts	A2/70	A2/70	A2/70
11 Gland	1.0715	1.4305	1.4305
12 Gland Packing	Pure Graphite	Pure Graphite	Pure Graphite
13 Cap Nut	1.0718	1.4305	1.4305
14 Handwheel	0.6020	0.6020	0.6020

### DIMENSIONS

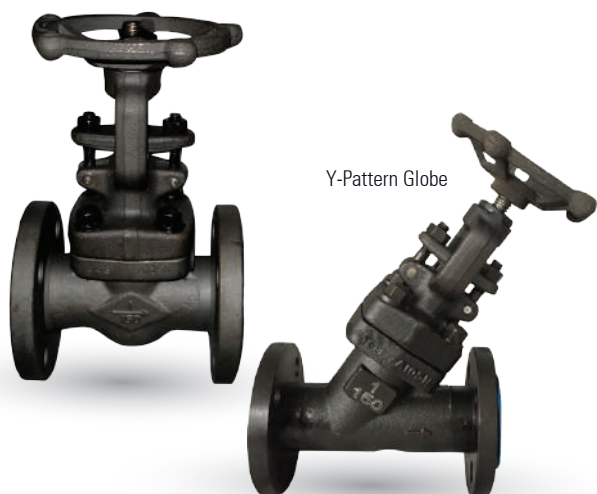
Unit : mm

Size (DN)	PN16 & PN40					
	L / L1	H	D0	B	A	t
15	130	191	130	15.80	21.34	2.77
20	150	191	130	20.93	26.67	2.87
25	160	197	130	26.64	33.40	3.38
32	180	200	130	35.05	42.16	3.56
40	200	218	150	38.10	48.26	3.68
50	230	220	150	52.50	60.33	3.91
65	290	238	180	62.71	73.03	5.16
80	310	257	180	77.93	88.90	5.49
100	350	340	200	102.26	114.30	6.02
125	400	360	200	128.19	141.30	6.55
150	480	390	400	154.05	168.28	6.87
200	600	530	400	202.72	219.08	8.18
250	730	665	440	254.51	273.05	9.27
300	850	720	440	304.80	323.85	9.53

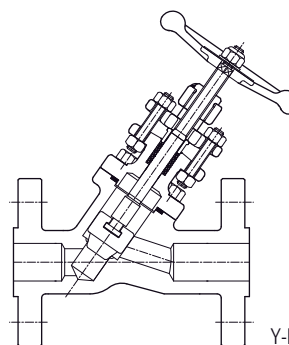
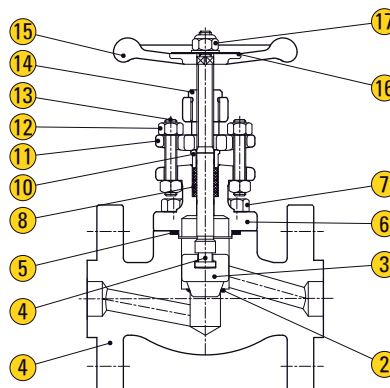
\*Specification given are subject to changed without further notice.

# GLOBE VALVE FLANGE

## FORGED CARBON STEEL / STAINLESS STEEL



Y-Pattern Globe



Y-Pattern Globe

**FIG GD-\*1-\*2-\*3**

Note : \*1 Class | \*2 Material | \*3 Connection

### APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media  
(Refer to corrosion resistance table for valve materials selection).

### SPECIFICATION

Face To Face Dimension	ASME B16.10
Pressure Rating	Class 150, 300, 600, 900,1500 and 2500
End To End Dimension	ASME B16.10
Flange End Dimension	ASME B16.5
BW End Dimension	ASME B16.25

### CLASS 150 - 300 - 600 - 900

Unit : mm (inch)

Port	Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	End to End			Approx. Wt, Kg (Lb)		
					Class 150	Class 300	Class 600	Class 150	Class 300	Class 600
Reduced	1/2	86 (3.39)	146 (5.75)	9.5 (0.37)	108 (4.25)	152 (6.0)	165 (6.5)	2.5 (5.5)	3.0 (6.6)	3.3 (7.3)
	3/4	86 (3.39)	152 (5.98)	12.7 (0.50)	117 (4.62)	178 (7.0)	190 (7.5)	3.1 (6.8)	4.0 (8.8)	4.6 (10.1)
	1	99 (3.90)	188 (7.40)	17.5 (0.69)	127 (5.0)	203 (8.0)	216 (8.5)	4.9 (10.8)	6.2 (13.7)	6.8 (15.0)
	1-1/2	124 (4.88)	219 (8.62)	29.5 (1.16)	165 (6.5)	229 (9.0)	241 (9.5)	9.2 (20.3)	11.4 (25.1)	12.7 (28.0)
	2	138 (5.43)	260 (10.24)	35.0 (1.38)	203 (8.0)	267 (10.5)	292 (11.5)	13.9 (30.7)	15.4 (34.0)	16.3 (35.9)

### CLASS 1500

Unit : mm (inch)

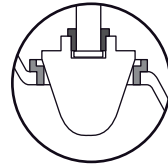
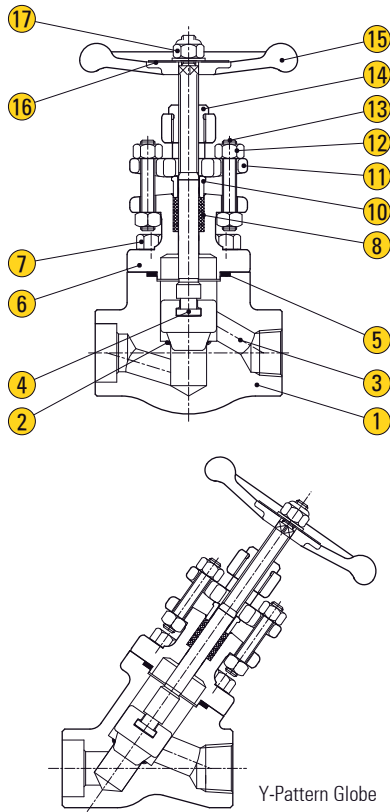
Port	Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	End to End	Approx. Wt, Kg (Lb)
Reduced	1/2	86 (3.39)	147 (5.79)	9.5 (0.37)	216 (8.5)	6.5 (14.3)
	3/4	99 (3.90)	185 (7.28)	12.7 (0.50)	229 (9.0)	9.0 (19.9)
	1	124 (4.88)	210 (8.27)	17.5 (0.69)	254 (10.0)	14.5 (32.0)
	1-1/2	138 (5.43)	245 (9.65)	29.5 (1.16)	305 (12.0)	23.3 (51.4)
	2	157 (6.18)	308 (12.13)	35.0 (1.38)	368 (14.25)	35.5 (78.3)

### CLASS 2500

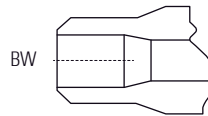
Unit : mm (inch)

Port	Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	End to End	Approx. Wt, Kg (Lb)
Full	1/2	124 (4.88)	339 (13.35)	10 (0.39)	264 (10.38)	19 (42)
	3/4	124 (4.88)	339 (13.35)	15 (0.59)	273 (10.75)	20 (44)
	1	200 (7.88)	386 (15.20)	18 (0.71)	308 (12.12)	37 (82)
	1-1/2	200 (7.88)	439 (17.29)	28 (1.10)	384 (15.12)	57 (126)
	2	250 (9.84)	480 (18.90)	35 (1.38)	451 (17.75)	83 (183)

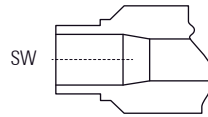
\*Specification given are subject to changed without further notice.



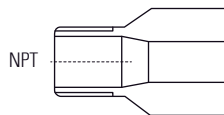
Option : Regulating Disc



BW



SW



NPT



**FIG GD-\*1-\*2-\*3**

Note : \*1 Class | \*2 Material | \*3 Connection

**APPLICATION**

Suitable for water, steam, oil, gases and non-abrasive media  
 (Refer to corrosion resistance table for valve materials selection).

**SPECIFICATION**

Face To Face Dimension	ASME B16.10
Pressure Rating	Class 150, 300, 600, 900, 1500 and 2500
End To End Dimension	ASME B16.10
Flange End Dimension	ASME B16.5
BW End Dimension	ASME B16.25

**CLASS 600 / 800**

Unit : mm (inch)

Port	Valve Size	Handwheel Diameter	End to End	Center to Top (Open)	Dia. of Port Openings	Approx. Wt Kg (Lb)
Reduced	1/2	86 (3.39)	76 (2.99)	146 (5.75)	9.5 (0.37)	1.8 (4.0)
	3/4	86 (3.39)	86 (3.39)	152 (5.98)	12.7 (0.50)	2.1 (4.6)
	1	99 (3.90)	102 (4.02)	188 (7.40)	17.5 (0.69)	2.9 (6.4)
	1-1/4	124 (4.88)	152 (5.98)	219 (8.62)	22.5 (0.89)	6.4 (14.1)
	1-1/2	124 (4.88)	152 (5.98)	219 (8.62)	29.5 (1.16)	6.4 (14.1)
	2	138 (5.43)	172 (6.77)	260 (10.24)	35.0 (1.38)	9.7 (21.4)
Full	1/2	86 (3.39)	86 (3.39)	157 (6.18)	12.7 (0.50)	2.1 (4.6)
	3/4	99 (3.90)	102 (4.02)	190 (7.48)	17.5 (0.69)	2.9 (6.4)
	1	124 (4.88)	152 (5.98)	225 (8.86)	23.0 (0.91)	6.4 (14.1)
	1-1/4	138 (5.43)	172 (6.77)	267 (10.51)	29.5 (1.16)	9.7 (21.4)
	1-1/2	138 (5.43)	172 (6.77)	267 (10.51)	35.0 (1.38)	9.7 (21.4)
	2	157 (6.18)	218 (8.58)	324 (12.76)	45.5 (1.79)	14.0 (30.9)

**CLASS 900 / 1500**

Unit : mm (inch)

Port	Valve Size	Handwheel Diameter	End to End	Center to Top (Open)	Dia. of Port Openings	Approx. Wt Kg (Lb)
Reduced	1/2	86 (3.39)	86 (3.39)	147 (5.79)	9.5 (0.37)	2.0 (4.4)
	3/4	99 (3.90)	102 (4.02)	185 (7.28)	12.7 (0.50)	3.4 (7.5)
	1	124 (4.88)	152 (5.98)	210 (8.27)	17.5 (0.69)	6.5 (14.3)
	1-1/4	138 (5.43)	172 (6.77)	245 (9.65)	22.5 (0.89)	9.6 (21.2)
	1-1/2	138 (5.43)	172 (6.77)	245 (9.65)	29.5 (1.16)	9.6 (21.2)
	2	157 (6.18)	210 (8.27)	308 (12.13)	35.0 (1.38)	14.0 (30.9)

\*Specification given are subject to changed without further notice.

**CLASS 2500**

Unit : mm (inch)

Port	Valve Size	Handwheel Diameter	End to End	Center to Top (Open)	Dia. of Port Openings	Approx. Wt Kg (Lb)
Reduced	1/2	140 (5.51)	110 (4.33)	238 (9.37)	10 (0.39)	5 (11)
	3/4	200 (7.87)	127 (5.00)	282 (11.10)	13 (0.51)	8 (18)
	1	230 (9.06)	155 (6.10)	322 (12.68)	18 (0.71)	13 (29)
	1-1/4	250 (9.84)	210 (8.27)	395 (15.55)	23 (0.91)	22 (49)
	1-1/2	250 (9.84)	210 (8.27)	395 (15.55)	26 (1.02)	22 (49)
	2	315 (12.4)	229 (9.02)	483 (19.02)	35 (1.38)	37 (82)

**MATERIAL**

Parts	ASTM Designation												
	A105N	A350		A182					A182				
		LF2	LF3	F304/L	F316/L	F321	F347	F51	F5	F9	F11	F22	F91
1 Body	A105N	LF2	LF3	F304/L	F316/L	F321	F347	F51	F5	F9	F11	F22	F91
2 Seat	Integral Hardfaced Stellite 6												
3 Disc	A217-CA15		A351-CF8M+STL		A276-321	A276-347	UNS S31803	A217-CA15					
	A276-410+STL*		A276-316+STL*		+STL	+STL	+STL	A276-410+STL*					
4 Stem	A276-410		A276-304		A276-316	A276-321	A276-347	UNS S31803	A276-410				
			A276-316*										
5 Gasket	304 Spiral Wound Graphite				316 SWG	321 SWG	347 SWG	Duplex SWG	304 Spiral Wound Graphite				
6 Bonnet	A105N	LF2	LF3	F304/L	F316/L	F321	F347	F51	F5	F9	F11	F22	F91
7 Bonnet Bolt	A193-B7	A320-L7		A193-B8					A193-B16				
8 Gland Packing	Graphoil												
10 Gland	316 Stainless Steel												
11 Gland Flange	A105		A182-F304					A105					
			A105*										
12 Gland Nut	A194-2H		A194-8					A194-2H					
			A194-2H*										
13 Gland Bolt	A193-B6		A193-B8					A193-B6					
	A193-B7*		A193-B7*					A193-B7*					
14 Yoke Bush	A582-416												
	High Tension Brass*												
15 Handwheel	A47												
16 Name Plate	Aluminium			304 Stainless Steel					Aluminium				
17 Handwheel Nut	A194-2H												

STL: Stellite 6 faced  
 SWG : Spiral Wound Graphite  
 A182-F304/L : Dual Certificate Material for A182-F304 & A182-F304L  
 A182-F316/L : Dual Certificate Material for A182-F316 & A182-F316L  
 DUPLEX : Duplex Stainless Steel  
 \* ASME CLASS 1500 and Above

\* Other materials also available on request

\*Specification given are subject to changed without further notice.