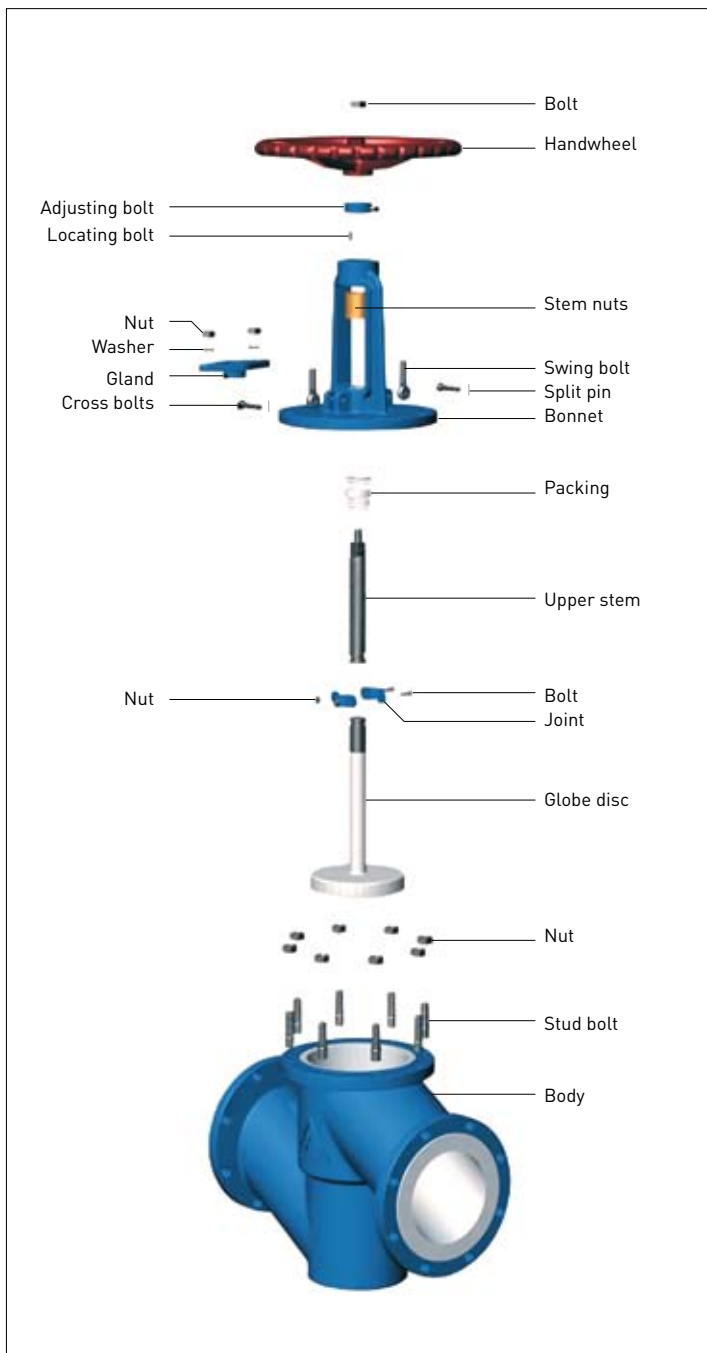


PREM CHEM GLOBE VALVES



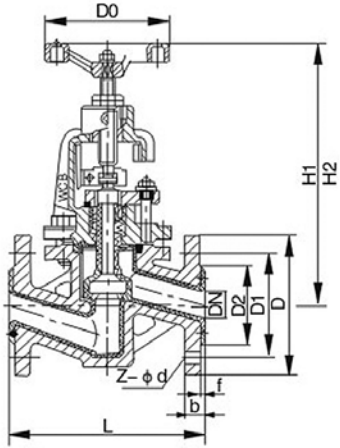


DESIGN STANDARDS:
GB12233, GB12235, ANSI B16.34

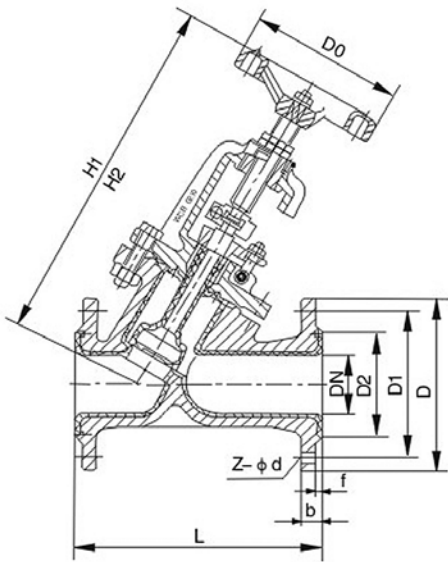
The Premchem Globe valve is available as a compact valve for on-off service. Even though Globe valves are generally used for throttling applications, care should be taken when using it to throttle chemical media as the Teflon liners have a limited ability to withstand high velocity erosive service.

- The stem and disc is a one-piece design.
- Available with handwheel, gearbox, pneumatic and electric actuator.

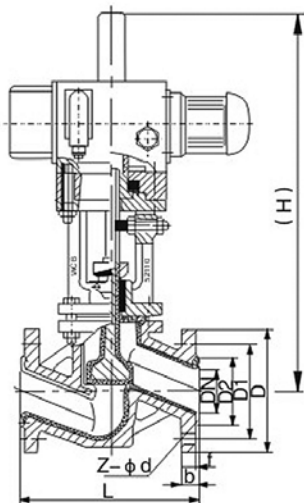




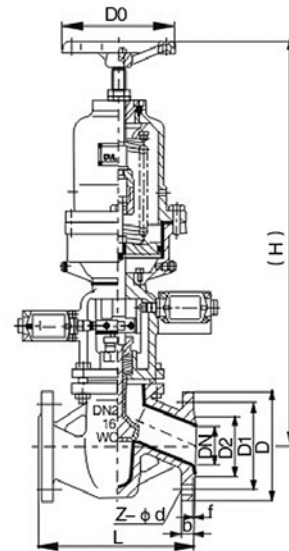
22. J41F₃, F₄₆
Flange type handwheel operated globe valve (straight type)



23. J45F₃, F₄₆
Flange type handwheel operated globe valve (Y-type)



24. J941F₃, F₄₆
Wafer type electric operated globe valve (straight type)



25. J6_B41F₃, F₄₆
Wafer type pneumatic operated globe valve (close type)

Standard

Design	GB 12233/GB 12235
Face to Face	GB 12221 Short-long series
Flange dimension	JB78/JB79 or to requirements
Test	GB/T 13927
Symbol	GB 12220
Supply	GB/T 12252

Flange type globe valve

- Basic type: Straight type, Y-type
- Pressure: DN1.0~2.5(Mpa)
- Size: DN15~350(mm)

Basic type (Fully lined)

Lever	J41F ₃ /J41F ₄₆	Gear	J441F ₃ /J441F ₄₆
	J45F ₃ /J45F ₄₆		J541F ₃ /J541F ₄₆
Pneumatic	J6 _B 41F ₃ /J6 _B 41F ₄₆	Electric	J941F ₃ /J941F ₄₆



Main Parts Material Specifications

Table A11

No.	Name	Grey Cast Iron	Cast Steel	Stainless Steel		Low Carbon Stainless Steel	
		Z	C	P	R	P _L	R _L
1	Body Cover	HT250	WCB	CF8	CF8M	CF3	CF3M
2	Globe and Stem	35	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	00Cr18Ni10	00Cr17Ni14Mo2
3	Swing bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr17Ni2	1Cr17Ni2
4	lining/seat	FEP(F ₄₆)		PCTFE(F ₃)	PFA(F ₄)	PO	
5	Packing	PTFE (F ₄)		PTFE (F ₄)			
6	Packing Cover	WCB	WCB	CF8	CF8M	CF3	CF3M
7	Stem nuts	ZCuAi10Fe3		ZCuAi10Fe3			
8	Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti	1Cr18Ni9Ti
9	Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9
10	Handwheel	HT200	HT200	WCC	WCC	WCC	WCC

Dimensions and weights

Table B27

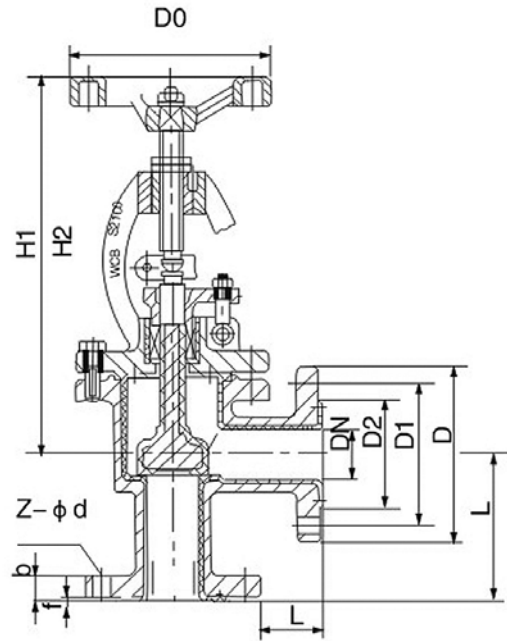
Size		350Standard400							Reference			
Dn (mm)	NPS (inch)	L	D	D ₁	D ₂	f	b	Z-ød	Do	H1	H2	W(kg)
		PN1.0 (MPa)										
15	½	130	95	65	45	2	14	4-ø14	100	235	260	6.5
20	¾	150	105	75	55	2	16	4-ø14	100	240	265	7
25	1	160	115	85	65	2	16	4-ø14	120	245	270	7.8
32	1¼	180	135	100	78	2	18	4-ø18	140	255	285	11
40	1½	200	145	110	85	3	18	4-ø18	140	285	315	13
50	2	230	160	125	100	3	20	4-ø18	160	295	330	15
65	2½	290	180	145	120	3	20	4-ø18	180	350	395	23
80	3	310	195	160	135	3	22	4/8-ø18	240	395	445	38
100	4	350	215	180	155	3	22	8-ø18	240	450	490	42
125	5	400	245	210	185	3	24	8-ø18	280	525	555	55
150	6	480	280	240	210	3	24	8-ø23	320	605	645	77
200	8	495	335	295	265	3	26	8-ø23	360	645	765	135
250	10	622	390	350	320	3	28	12-ø23	400	685	805	220
300	12	698	440	400	368	4	28	12-ø23	400	710	814	277
350	14	787	500	460	428	4	30	16-ø23	450	750	855	320
PN1.6(Mpa)												
15	½	130	95	65	45	2	14	4-ø14	100	240	265	7
20	¾	150	105	75	55	2	16	4-ø14	100	245	270	7.6
25	1	160	115	85	65	2	16	4-ø14	120	250	275	8.2
32	1¼	180	135	100	78	2	18	4-ø18	140	260	290	12
40	1½	200	145	110	85	3	18	4-ø18	140	285	320	14
50	2	230	160	125	100	3	20	4-ø18	160	300	335	18
65	2½	290	180	145	120	3	20	4-ø18	180	355	400	26
80	3	310	195	160	135	3	22	8-ø18	240	400	450	40
100	4	350	215	180	155	3	24	8-ø18	240	455	495	50
125	5	400	245	210	185	3	26	8-ø18	280	530	560	65
150	6	480	280	240	210	3	28	8-ø23	320	610	650	85
200	8	495	335	295	265	3	30	12-ø23	360	650	770	150
250	10	322	405	355	320	3	32	12-ø23	400	690	810	245
300	12	698	460	410	375	4	34	12-ø25	400	730	845	295
PN2.5(Mpa)												
15	½	130	95	65	45	2	16	4-ø14	120	240	265	7.5
20	¾	150	105	75	55	2	16	4-ø14	120	245	270	8
25	1	160	115	85	65	2	16	4-ø14	140	250	275	9
32	1¼	180	135	100	78	2	18	4-ø18	160	260	290	13
40	1½	200	145	110	85	3	18	4-ø18	180	285	320	15
50	2	230	160	125	100	3	20	4-ø18	180	300	335	20
65	2½	290	180	145	120	3	22	8-ø18	240	355	400	28
80	3	310	195	160	135	3	22	8-ø18	280	400	450	42
100	4	350	230	190	160	3	24	8-ø23	320	455	495	57
125	5	400	270	220	188	3	28	8-ø25	320	530	560	71
150	6	480	300	250	218	3	30	8-ø25	360	610	650	90

When flange to PN1.0MPa, DN80, JB78, screw hole Z=4, t other parameter z=8.



Flange type globe valve

- Pressure: DN1.0~2.5(Mpa)
- Size: DN15~300(mm)



26. J44F₃, F₄₆
Flange type globe valve (angle type)

Standard

Design	GB 12233/GB 12235
Face to Face	GB 12221 Short series
Flange dimension	JB78/JB79 or according to requirements
Test	GB/T 13927
Symbol	GB 12220
Supply	GB/T 12252

- Basic structure: Angle type (Fully lined)
- Basic type: Lever J44F₃, J44F₄₆, electric J944F₃, J944F₄₆
- Main parts material: See chart A11



Dimensions and weights

Table B28

Size		350Standard400							Reference			
Dn (mm)	NPS (inch)	L	D	D ₁	D ₂	f	b	Z-ød	Do	H ₁	H ₂	W(kg)
		PN1.0 (MPa)										
15	½	90	95	65	45	2	14	4-ø14	100	240	265	7
20	¾	95	105	75	55	2	16	4-ø14	100	245	270	7.5
25	1	100	115	85	65	2	16	4-ø14	120	250	275	8
32	1¼	105	135	100	78	2	18	4-ø18	120	260	290	12
40	1½	115	145	110	85	3	18	4-ø18	140	290	325	14
50	2	125	160	125	100	3	20	4-ø18	140	300	3.55	19
65	2½	145	180	145	120	3	20	4-ø18	160	355	400	27
80	3	155	195	160	135	3	22	4/8-ø18	160	400	450	42
100	4	175	215	180	155	3	22	8-ø18	180	455	495	50
125	5	200	245	210	185	3	24	8-ø18	180	530	560	64
150	6	225	280	240	210	3	24	8-ø23	240	605	650	85
200	8	275	335	295	265	3	26	8-ø23	240	650	770	105
250	10	325	390	350	320	3	28	12-ø23	280	680	800	135
300	12	375	440	400	368	4	28	12-ø23	280	710	835	155
PN1.6(Mpa)												
15	½	90	95	65	45	2	14	4-ø14	100	240	265	7
20	¾	95	105	75	55	2	16	4-ø14	100	245	270	7.5
25	1	100	115	85	65	2	16	4-ø14	120	250	275	8.5
32	1¼	105	135	100	78	2	18	4-ø18	140	260	290	12
40	1½	115	145	110	85	3	18	4-ø18	140	290	325	14
50	2	125	160	125	100	3	20	4-ø18	160	300	355	19
65	2½	145	180	145	120	3	20	4-ø18	180	355	400	27
80	3	155	195	160	135	3	22	8-ø18	240	400	450	42
100	4	175	215	180	155	3	24	8-ø18	240	455	495	50
125	5	200	245	210	185	3	26	8-ø18	280	530	560	64
150	6	225	280	240	210	3	28	8-ø23	320	605	650	85
200	8	275	335	295	265	3	30	12-ø23	360	650	770	155
PN2.5(Mpa)												
15	½	90	95	65	45	2	16	4-ø14	120	245	270	7.5
20	¾	95	105	75	55	2	16	4-ø14	120	250	275	8.8
25	1	100	115	85	65	2	16	4-ø14	140	260	290	11
32	1¼	105	135	100	78	2	18	4-ø18	140	290	325	13
40	1½	115	145	110	85	3	18	4-ø18	160	300	335	18
50	2	125	160	125	100	3	20	4-ø18	180	355	400	31

When flange to PN1.0MPa, DN80, JB78, screw hole Z=4, t other parameter z=8.

