

The excellent performance of the pressure seal type range, is optimal in high pressure and high temperature applications.

#### Features

- Valve body is manufactured in various materials (NACE compliance included), and designed to always guarantee the maximum safety and flow efficiency.
- A perfect body-bonnet tightness obtained due to the technologically advanced pressure seal bonnet design.
- The pressure seal gasket between body and bonnet provides for a strong sealing force. It is in fact first under bolting pre-load pressure, and then under line pressure.
- Seat rings are seal welded to the body.
- Connections are offered as butt weld, flanged or special, such as clamp type, to meet any customers' request.
- Valves designed according to ASME B16.34 with wall thickness according to API 600.  
T and Y patterns available.



#### Technical data

Pressure ratings	: Y type: from 1500 to 2500 T type: from 600 to 2500
Body materials	: carbon, alloy and stainless steels, duplex steels, special alloys
Temperature (°C)	: -46 to + 650
Sizes (mm)	: 50 to 600 and larger

#### Connections standards

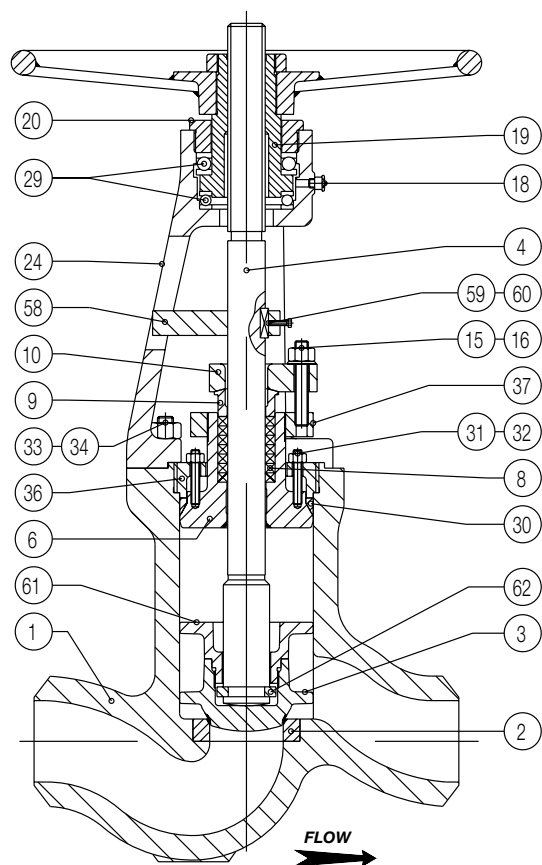
Flanges	: T type: ASME B16.5
Buttweld	: Y and T types: ASME B16.25

#### General application

The high quality Fasani valves are installed on a large variety of applications, particularly in those requiring suitability to very high pressures and temperatures: steam, oil and gas processing, chemical and petrochemical industry and in the power industry.  
The Fasani valves are successfully installed worldwide on applications requiring tight shutoff.

# Globe Valves

## Cast high pressure -Style B-



### Notes

1. Other materials are available on request. Please consult supplier.
2. Depending on size.

### Material selection

Item	Description	Body in WCB	Body in WC6	Body in CF8M
1	Body	A216 WCB	A217 WC6	A351 CF8M
2	Seat Ring	A105 + Stellite	A182 F22 + Stellite	A182 F316 + Stellite
3	Disc	A216 WCB + Stellite	A182 F11 + Stellite	A182 F316 + Stellite
4	Stem	A565 gr. 616 HT	A565 gr. 616 HT	A182 F316 or Nitronic® 50 (2)
6	Bonnet	A105 + Stellite	A182 F11 + Stellite	A182 F316 + Stellite
8	Packing	Flexible graphite inner rings and suitable anti-extrusion rings		
9	Gland	A182 F6a	A182 F6a	A182 F316
10	Gland Flange	A105 or A516 gr. 70	A105 or A516 gr. 70	A182 F316 or A240 Tp. 316
15	Gland Bolt	A193 B7	A193 B7	A193 B8
16	Gland Nut	A194 2H	A194 2H	A194 8
18	Lubricator	Steel	Steel	Steel
19	Yoke Sleeve	A763 gr.A	A763 gr.A	A763 gr.A
20	Yoke Nut Bushing	A105	A105	A105
24	Yoke	A216 WCB	A216 WCB	A216 WCB
29	Bearings	Steel	Steel	Steel
30	P.S. Gasket	Soft Iron Silver Plated	Soft Iron Silver Plated	A182 F316
31	Bolt	A193 B7	A193 B16	A193 B8
32	Nut	A194 2H	A194 4	A194 8
33	Body - Yoke Bolt	A193 B7	A193 B7	A193 B7
34	Body - Yoke Nut	A194 2H	A194 2H	A194 2H
36	Bonnet Retaining Ring	A105	A182 F11	A182 F316
37	Gland Retaining Ring	A516 gr. 70	A516 gr. 70	A516 gr. 70
58	Position Indicator	A516 gr. 70	A516 gr. 70	A516 gr. 70
59	Screw	A193 B7	A193 B7	A193 B7
60	Key	Steel	Steel	Steel
61	Disc Guide	A105	A182 F11	A182 F316
62	Stem Segmental Rings	A182 F6a	A182 F6a	A182 F316

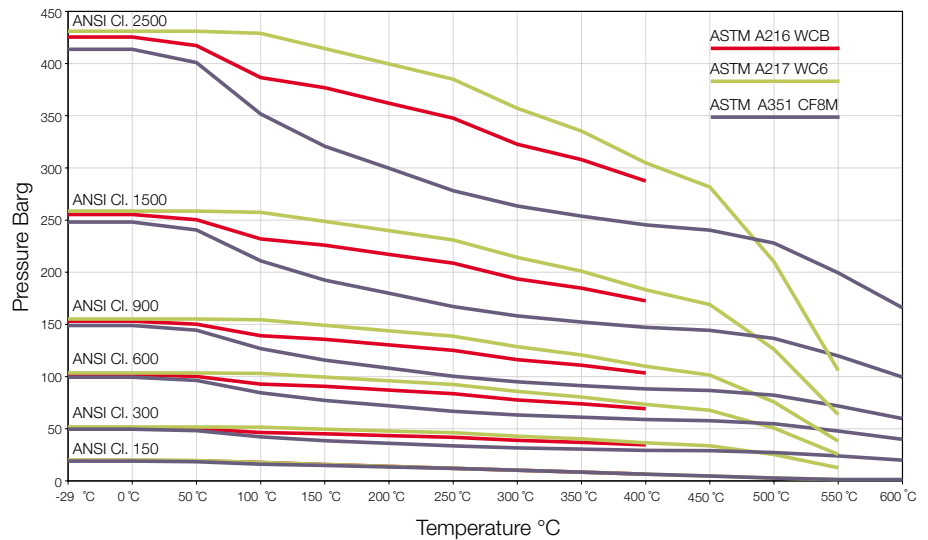
# Globe Valves

## Cast high pressure -Style B-

### Notes

All Fasani valves are fully rated in accordance with ASME B16.34. The table represented here indicates the pressure/temperature rating values as per ASME B16.34-1996.

### Pressure/temperature ratings in barg/psig (ASME B16.34)



### Trim

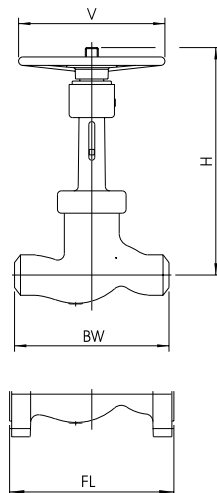
Trim No	Nominal Trim Symbol	Material Type					Service
		Seal surfaces	Disc/Wedge surfaces	Stem Hinge pin	Backseat	Small internal parts	
1	CR13	13% Cr	13% Cr	13% Cr	13% Cr	13% Cr	General erosive or non-corrosive service between -100°C and 400°C
2	18-8	304	304	304	304	304	For moderate pressure in non-erosive, corrosive service between -265°C and 320°C
3	25-20	310	310	310	310	310	For moderate pressure in corrosive or non corrosive service. Between -265°C and 450°C
4	SH	Hard 13% Cr	Hard 13% Cr	13% Cr	13% Cr	13% Cr	As trim No 1 but for medium pressure
5	HF	Co-Cr A	Co-Cr A	13% Cr	13% Cr	13% Cr	High pressure slightly erosive and corrosive service between -265°C and 650°C
5A	HFNi	Ni-Cr	Ni-Cr	13% Cr	13% Cr	13% Cr	As trim No 5 where Co is not allowed
6	Cr13 Ni-Cu	Ni-Cu	13% Cr	13% Cr	13% Cr	13% Cr	As trim No 1
7	CR13 SH	Hard 13% Cr	13% Cr	13% Cr	13% Cr	13% Cr	As trim No 1 but for moderate pressure
8	CR13 HF	Co-Cr A	13% Cr	13% Cr	13% Cr	13% Cr	As trim No 5 for moderate pressure
8A	CR13 HFNi	Ni-Cr	13% Cr	13% Cr	13% Cr	13% Cr	As trim No 5A for moderate pressure
9	Ni-Cu	Ni-Cu	Ni-Cu	Ni-Cu	Ni-Cu	Ni-Cu	Very corrosive fluids. Erosive-corrosive service between -240°C and 480°C
10	18-8SMO	316	316	316	316	316	As trim No 2
11	Ni-Cu HF	Co-Cr A	Ni-Cu	Ni-Cu	Ni-Cu	Ni-Cu	As trim No 9 but for medium pressure
12	18-8SMO HF	Co-Cr A	316	316	316	316	As trim No 10 but for medium pressure
13	Alloy 20	19Cr-29Ni	19Cr-29Ni	19Cr-29Ni	19Cr-29Ni	19Cr-29Ni	Very corrosive service. For moderate pressure between -45°C and 320°C
14	Alloy 20 HF	Co-Cr A	19Cr-29Ni	19Cr-29Ni	19Cr-29Ni	19Cr-29Ni	As trim No 13 but for medium pressure

Co-Cr A is equivalent to Stellite® 6

# Globe Valves

## Cast high pressure -Style B-

### Pressure Seal Configuration "T" pattern



#### Notes

1. All dimensions are in mm.
2. Globe valves are available in both T and Y patterns.
3. Globe valves in sizes and classes larger than mentioned here are available. Please consult supplier for more information.
4. Dim. H corresponds to the height of valve in open position.
5. BGO stands for "Bevel Gear Operator".
6. W1 corresponds to weight in kilos for flanged body style. For sizes larger than 24", weight depends on flange standards.
7. W2 corresponds to weight in kilos for welding body style.

#### ASME class 900 (Fig. VD 900 PS)

Size mm inch	FL	BW	H	V	W1	W2
50 2	-	-	-	-	-	-
65 2½	-	-	-	-	-	-
80 3	381	381	605	500	95	80
100 4	457	457	820	575	180	140
125 5	-	-	-	-	-	-
150 6	610	610	1050	750	375	315
200 8	737	737	1310	BGO	640	495
250 10	838	838	1465	BGO	1100	885
300 12	965	965	1640	BGO	1680	1395

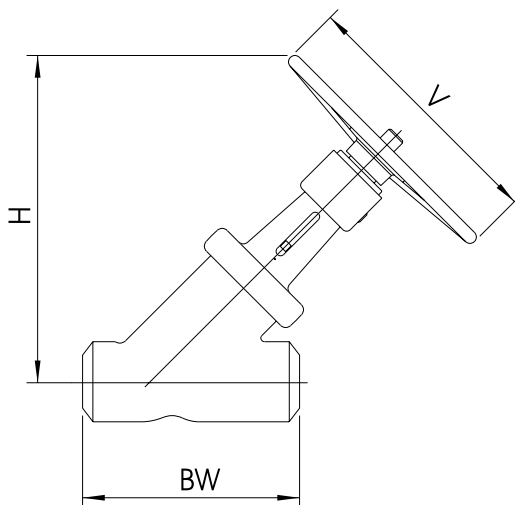
#### ASME class 1500 (Fig. VD 1500 PS)

Size mm inch	FL	BW	H	V	W1	W2
50 2	368	368	580	400	80	60
65 2½	419	419	690	500	120	95
80 3	470	470	710	500	145	120
100 4	546	546	785	575	230	175
125 5	-	-	-	BGO	-	-
150 6	705	705	1030	BGO	470	435
200 8	832	832	1250	BGO	1090	930
250 10	991	991	1400	BGO	1480	1200
300 12	1130	1130	1570	BGO	2200	1670

#### ASME class 2500 (Fig. VD 2500 PS)

Size mm inch	FL	BW	H	V	W1	W2
50 2	451	451	750	500	130	120
65 2½	508	508	770	575	200	150
80 3	578	578	805	650	275	190
100 4	673	673	965	750	510	325
125 5	-	-	-	BGO	-	-
150 6	914	914	1020	BGO	950	665
200 8	1022	1022	1125	BGO	1400	910
250 10	1270	1270	1380	BGO	1950	1250
300 12	1422	1041	1590	BGO	2560	1430

### Pressure Seal Configuration "Y" pattern



#### Notes

1. All dimensions are in mm.
2. Sizes and classes larger than mentioned here are available: please consult supplier for more information.
3. W corresponds to weight in kilos for welding body style.

#### ASME class 1500 (Fig. VY 1500 PS)

Size mm inch	BW	H	V	W
50 2	-	-	-	-
65 2½	-	-	-	-
80 3	381	670	500	100
100 4	406	910	575	200
125 5	-	-	BGO	-
150 6	559	980	BGO	450
200 8	711	1130	BGO	700
250 10	864	1445	BGO	1150
300 12	991	1880	BGO	1690
350 14	1067	2060	BGO	2170
400 16	1194	2120	BGO	3320
450 18	1473	2230	BGO	3720
500 20	1676	2340	BGO	5370
550 22	-	-	BGO	-
600 24	1727	2450	BGO	7200

#### ASME class 2500 (Fig. VY 2500 PS)

Size mm inch	BW	H	V	W
50 2	-	-	-	-
65 2½	-	-	-	-
80 3	368	770	650	180
100 4	457	960	750	230
125 5	-	-	BGO	-
150 6	610	1000	BGO	560
200 8	762	1150	BGO	825
250 10	914	1390	BGO	1370
300 12	1041	1520	BGO	1870
350 14	1130	1600	BGO	2650
400 16	1245	2000	BGO	3870
450 18	1397	2000	BGO	4200
500 20	1524	2260	BGO	5970
550 22	-	-	BGO	-
600 24	1829	2800	BGO	8000