

## AV-289B Cast Carbon Steel Globe Valve, Flanged Ends, Class-600

### Features

Product Standard	BS 1873 / ASME B16.34
Testing Standard	API-598
Pressure / Class Rating	Class-600
Body Material Cum Standard	Cast Carbon Steel (ASTM A216 Gr. WCB)
Product Description	Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem, Handwheel Operated
Type of Seat	Renewable Seat
Type of Disc	Renewable Disc
Trim	13% Cr. (SS 410)
End Details	Flanged Ends as per ASME B16.5 Class-600 Raised Face (Drilled)
Test Pressure	Body: 153 Bar (Hyd.), Seat: 112 Bar (Hyd.), Seat: 7 Bar (Air)
Max. Working Temperature	425°C



### Notes

Test Certificate in Form III-C as per IBR is furnished with every supply.  
Other trim material combinations are available on request.

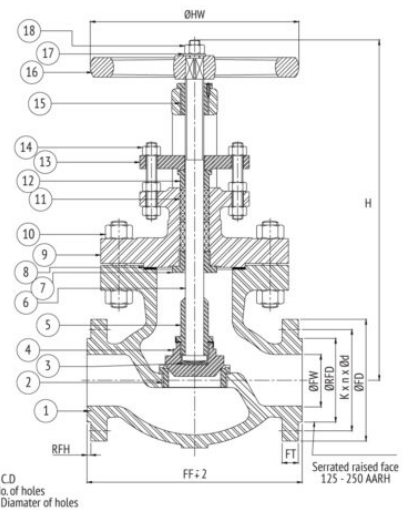
### Suitability

Water, Steam, Oil

### Material Combination

P.No.	Name of Part	Material	Specification
1	Body	C.C.S	ASTM A216 Gr. WCB
2	Body Seat Ring	C.C.S/F.S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a
3	Thrust Plate	Hardened Steel	
4	Disc	C.C.S./ S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A217 Gr. CA 15
5	Disc Nut	S.S.	ASTM A 276 TYPE 410
6	Stem	S.S.	ASTM A 276 TYPE 410
7	Back Seat Bush	S.S.	ASTM A276 TYPE 410
8	Gasket	Spiral Wound S.S. 304 Graphoil Filler With Inner Ring	-
9	Bonnet	C.C.S.	ASTM A 216 Gr. WCB
10	Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H
11	Gland Packing	Flexible Graphite	-
12	Gland Follower	S.S.	ASTM A276 TYPE 410
13	Gland Flange	C.C.S./ C.S.	ASTM A216 Gr. WCB/ -
14	Gland Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H
15	Yoke Bush	Al. Bronze	BSEN 1982 Gr. CC331G
18	Handwheel	M.I./ D.I.	ASTM A338/ ASTM A536 Gr. 80-55-06
17	Washer	Carbon Steel	-
18	Nut for Handwheel	Carbon Steel	-

NOTE : 1. This item can be supplied in WC6, WC9 material also.



### Dimensional Data

Nominal Size (mm)	FF	FT	ØFW	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
40	241	22.3	38	73	7	155	114.3	4	7/8"	254	365
50	292	25.4	51	92.1	7	165	127	8	3/4"	254	393
65	330	28.6	64	104.8	7	190	149.2	8	7/8"	305	497
80	356	31.8	76	127	7	210	168.3	8	7/8"	305	518
100	432	38.1	102	157.2	7	275	215.9	8	1"	455	633
125	508	44.5	127	185.7	7	330	266.7	8	1.1/8"	500	742
150	559	47.7	152	215.9	7	355	292.1	12	1.1/8"	590	788
200	660	55.6	200	269.9	7	420	349.2	12	1.1/4"	600	823

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes