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

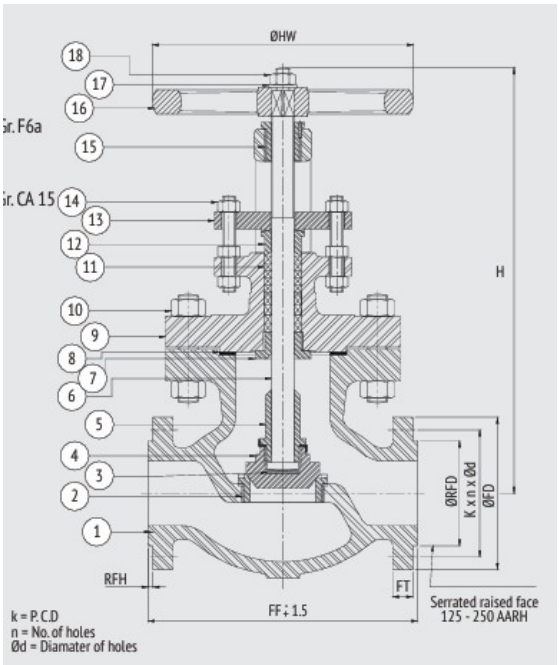
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

Suitability

Water, Steam, Oil

Material Combination

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

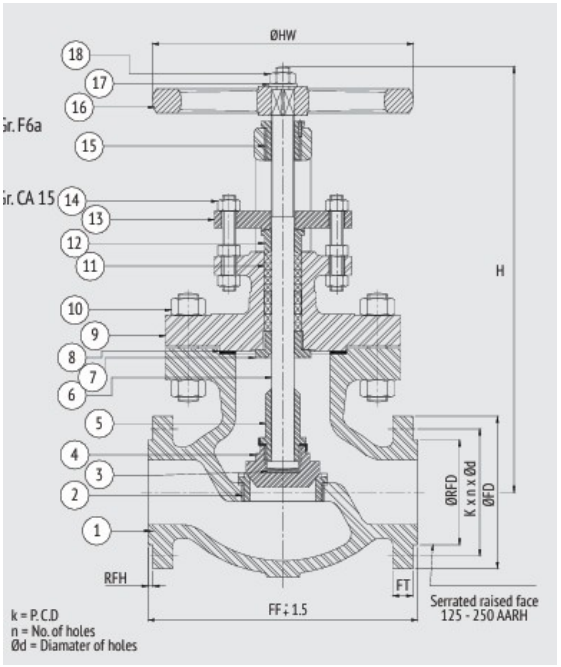


NOTE : 1. This item can be supplied in WC6, WC9 material also.

Dimensional Data

Nominal Size (mm)	FF	FT	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
25	216	17.5	50.8	6.4	124	88.9	4	3.4″	200	285
40	241	22.4	73	6.4	155	114.3	4	7/8″	254	365
50	292	25.4	91.9	6.4	165	127	8	3/4″	254	393
65	330	28.4	105	6.4	190	149.4	8	7/8″	305	497
80	356	31.8	127	6.4	210	168.1	8	7/8″	305	518
100	432	38.1	157	6.4	273	215.9	8	1″	455	633
125	508	44.4	186	6.4	330	266.7	8	1.1/8″	500	742
150	559	47.8	216	6.4	356	292.1	12	1.1/8″	590	788
200	660	55.6	270	6.4	419	349.2	12	1.1/4″	600	823
250	787	63.5	324	6.4	508	431.8	16	1.3/8″	700	900
300	838±3	66.5	381	6.4	559	489	20	1.3/8″	800	995

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



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