AV-289C Cast Carbon Steel Globe Valve (Suitable for thermic fluid), Flanged Ends, Class-150 (Non-IBR)

Features

Product Standard	BS 1873 / ASME B16.34
Testing Standard	API-598
Pressure / Class Rating	Class-150
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-150 Raised Face (Drilled)
Test Pressure	Body: 30 Bar (Hyd.), Seat: 22 Bar (Hyd.), Seat: 7 Bar (Air)
Max. Working Temperature	425°C

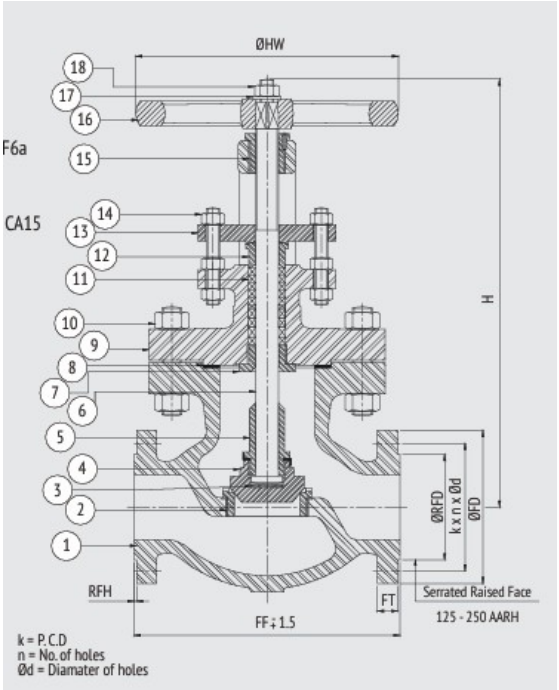
Notes

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

Suitability
Water, 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	1
3	Thrust Plate	Hardened Steel	–	1
4	Disc	C.C.S./ C.A.S. / S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A217 GR. CA 15/ ASTM A 276 TYPE 410	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	1
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	To Suit
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.	BS EN 1982 Gr. CC331G / –	1
18	Handwheel	M.I./ D.I.	–	1
17	Washer	Carbon Steel	–	1
18	Nut for Handwheel	Carbon Steel	–	1



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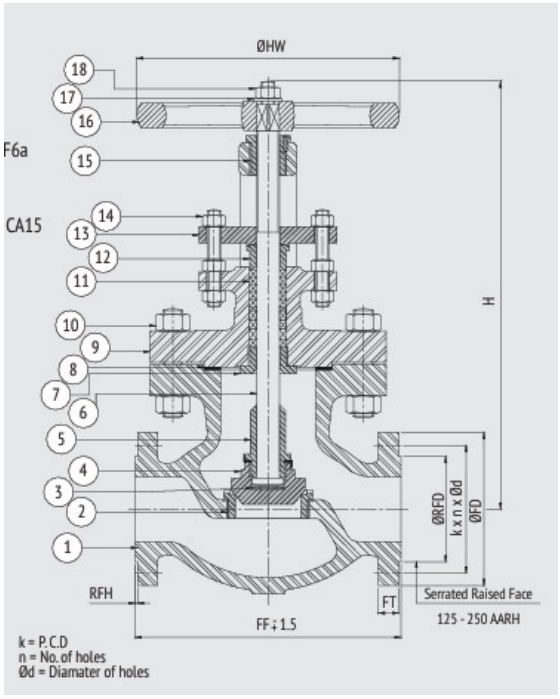
Dimensional Data

Nominal Size (mm)	FF	FT	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
15	108	7.9	35.1	1.5	89	60.5	4	5/8″	100	185
20	117	8.6	42.9	1.5	99	68.8	4	5/8″	100	190
25	127	9.7	50.8	1.5	108	79.2	4	5/8″	160	220
32	140	11.2	63.5	1.5	117	88.9	4	5/8″	160	250
40	165	12.7	73	1.5	127	98.6	4	5/8″	203	240
50	203	14.2	91.9	1.5	152	120.6	4	3/4″	203	270
65	216	15.7	105	1.5	178	139.7	4	3/4″	229	310
80	241	17.5	127	1.5	190	152.4	4	3/4″	229	350
100	292	22.4	157	1.5	229	190.5	8	3/4″	254	400
125	356	22.5	186	1.5	254	215.9	8	7/8″	254	425
150	406	23.9	216	1.5	278	241.3	8	7/8″	305	500
200	495	26.9	270	1.5	343	298.4	8	7/8″	457	590
250	622	28.4	324	1.5	406	362	12	1″	560	740
300										
350										
400										
450										

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



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