AV-289A Cast Carbon Steel Globe Valve, Flanged Ends, Class-300 IBR Approved

Features



Product Standard	BS 1873 / ASME B16.34
Testing Standard	API-598
Pressure / Class Rating	Class-300
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-300 Raised Face (Drilled)
Test Pressure	Body: 77 Bar (Hyd.), Seat: 57 Bar (Hyd.), Seat: 7 Bar (Air)
Max. Working Temperature	425°C

Notes

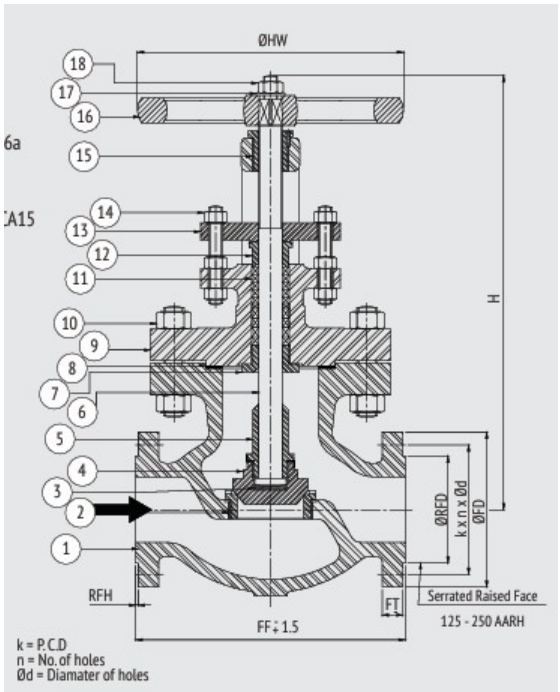
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

Suitability

Water, Steam, Oil

Material Combination

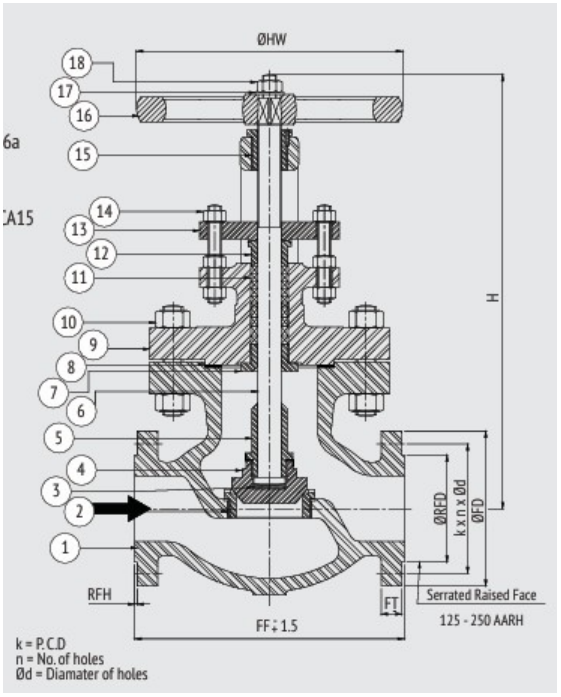
P.No.	Name of Part	Material	Specification	Nos.
1	Body	C.C.S	ASTM A216 Gr. WCB	1
2	Body Seat Ring	C.C.S/F.S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a	2
3	Thrust Plate	Hardened Steel	–	1
4	Disc	C.C.S./ C.A.S. / S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A 217 Gr. CA15 / 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	Stainless Steel	ASTM A276 TYPE 410	To Suit
8	Gasket	Spiral Wound S.S. 304 Graphoil Filler With Inner Ring (S.S. 304)	–	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	Stainless Steel	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.		
17	Washer	Carbon Steel	–	1
18	Nut for Handwheel	Carbon Steel	–	1



Dimensional Data

Nominal Size (mm)	FF	FT	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
15	152	12.7	35.1	1.5	95	66.5	4	5/8″	120	196
20	178	14.3	42.9	1.5	117	82.6	4	3/4″	120	238
25	203	15.7	50.8	1.5	124	88.9	4	3/4″	160	260
32	216	17.5	63.5	1.5	133	98.6	4	3/4″	160	275
40	229	19.1	73	1.5	155	114.3	4	7/8″	215	350
50	267	20.6	91.9	1.5	165	127	8	3/4″	215	385
65	292	23.9	105	1.5	190	149.2	8	7/8″	254	408
80	318	26.9	127	1.5	210	168.1	8	7/8″	254	490
100	356	30.2	157	1.5	254	200.2	8	7/8″	350	573
125	400	33.3	186	1.5	279	235	8	7/8″	400	655
150	444	35.1	216	1.5	318	269.7	12	7/8″	450	675
200	559	39.6	270	1.5	381	330.2	12	1″	500	795
250	622	46	324	1.5	444	387.4	16	1.1/8″	560	750
300	711	49.3	381	1.5	521	450.8	16	1.1/4″	800	950

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



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