

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

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

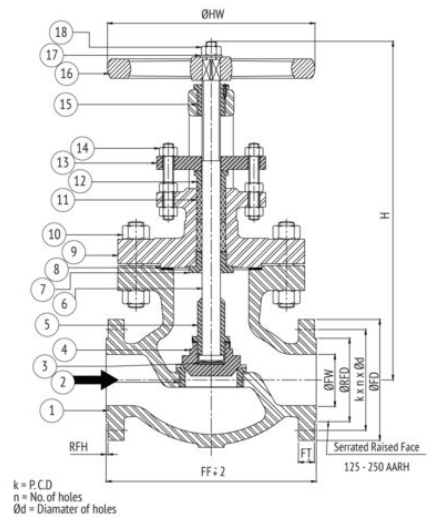
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

Suitability

Water, Steam, Oil

Material Combination

P.No.	Name of Part	Material	Specification
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./ C.A.S. / S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A 217 Gr. CA15 / ASTM A 276 TYPE 410
5	Disc Nut	S.S.	ASTM A 276 TYPE 410
6	Stem	S.S.	ASTM A 276 TYPE 410
7	Back Seat Bush	Stainless Steel	ASTM A276 TYPE 410
8	Gasket	Spiral Wound S.S. 304 Graphoil Filler With Inner Ring (C.S. or S.S. 304)	-
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	Stainless Steel	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 / S.S.	BS EN 1982 Gr. CC331G / ASTM A 582 Type 416
18	Handwheel	M.I./ D.I.	ASTM A338/ ASTM A536 Gr. 80-55-06
17	Washer	Carbon Steel	-
18	Nut for Handwheel	Carbon Steel	-



Dimensional Data

Nominal Size (mm)	FF	FT	ØFW	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
15	152	12.7	13	34.9	2	95	66.7	4	5/8"	120	196
20	178	14.3	20	42.9	2	115	82.6	4	3/4"	120	238
25	203	15.9	25	50.8	2	125	88.9	4	3/4"	150	260
40	229	19.1	38	73	2	155	114.3	4	7/8"	215	350
50	267	20.7	51	92.1	2	165	127	8	3/4"	215	385
65	292	23.9	64	104.8	2	190	149.2	8	7/8"	254	408
80	318	27	76	127	2	210	168.3	8	7/8"	254	490
100	356	30.2	102	157.2	2	255	200	8	7/8"	350	573
125	400	33.4	127	185.7	2	280	235	8	7/8"	400	655
150	444	35	152	215.9	2	320	269.9	12	7/8"	450	675
200	559	39.7	203	269.9	2	380	330.2	12	1"	500	795
250	622	46.1	254	323.8	2	445	387.4	16	1.1/8"	560	750

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