

AV-289 Cast Carbon Steel Globe Valve, Flanged Ends, Class-150

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

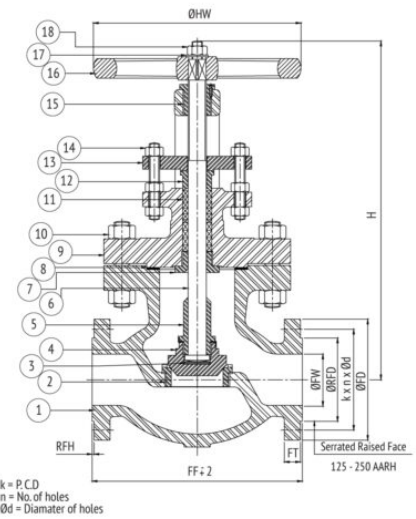
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

Suitability

Water, 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 A217 GR. CA 15/ 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	S.S.	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	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	BS EN 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	-



Dimensional Data

Nominal Size (mm)	FF	FT	ØFW	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
15	108	8	15	34.9	2	90	60.3	4	5/8"	100	185
20	117	9	20	42.9	2	100	70	4	5/8"	100	190
25	127	9.6	25	50.8	2	110	79.4	4	5/8"	160	220
40	165	12.7	38	73	2	125	98.4	4	5/8"	203	240
50	203	14.3	51	92.1	2	150	120.7	4	3/4"	203	270
65	216	15.9	64	104.8	2	180	139.7	4	3/4"	229	310
80	241	17.5	76	127	2	190	152.4	4	3/4"	229	350
100	292	22.3	102	157.2	2	230	190.5	8	3/4"	254	400
125	356	22.3	127	185.7	2	255	215.9	8	7/8"	254	425
150	406	23.9	152	215.9	2	280	241.3	8	7/8"	305	500
200	495	27	203	269.9	2	345	298.5	8	7/8"	457	590
250	622	28.6	254	323.8	2	405	362	12	1"	560	740

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