

AV-288A Cast Carbon Steel Gate Valve, Flanged Ends, Class-300

Features

Product Standard	API 600
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 Wedge	Solid or Flexible Wedge
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.

±3mm tolerance for sizes 300mm and above.

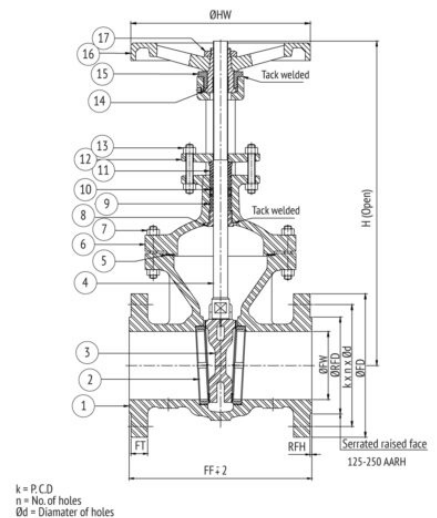
Suitability

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 Deposit/ ASTM A182 Gr. F6a	1
3	Wedge	C.C.S/ C.S.S	ASTM A216 Gr. WCB + 13% Cr. Weld Deposit/ ASTM 217 Gr. CA15	1
4	Stem	Stainless Steel	ASTM A276 TYPE 410	1
5	Gasket	Spiral Wound S.S. 304 with Graphoil Filler With Inner Ring (S.S. 304)	-	1
6	Bonnet	C.C.S	ASTM A216 Gr. WCB	1
7	Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H	To Suit
8	Back Seat Bush	Stainless Steel	ASTM A276 TYPE 410	1
9	Gland Packing	Flexible Graphite	-	-
10	Lantern Ring	S.S.	ASTM A276 TYPE 410	1
11	Gland Follower	Stainless Steel	ASTM A276 TYPE 410	1
12	Gland Flange	C.C.S./ C.S.	ASTM A216 Gr. WCB/ -	1
13	Gland Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H	2/4
14	Yoke Sleeve	Al. Bronze / M.S.	BS EN 1982 Gr. CC331G/-	1
15	Yoke sleeve Retaining Nut	Carbon Steel	-	1
16	Handwheel	D.I./ M.I.	-	1
17	Handwheel Retaining Nut	Carbon Steel	-	1
18	Gear Box Assembly	C.I.	-	1



Dimensional Data

Nominal Size (mm)	FF	FT	ØFW	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
15	140	12.7	13	35.1	1.5	95	66.5	4	5/8"	120	200
20	152	14.3	20	42.9	1.5	117	82.6	4	3/4"	120	210
25	165	15.7	25.4	50.8	1.5	124	88.9	4	3/4"	152	288
32	178	17.5	32	63.5	1.5	133	98.6	4	3/4"	152	310
40	190	19.1	38.1	73	1.5	155	114.3	4	7/8"	210	350
50	216	20.6	50.8	91.9	1.5	165	127	8	3/4"	210	385
65	241	23.9	63.5	104.8	1.5	190	149.4	8	7/8"	210	430
80	282	26.9	76.2	127	1.5	210	168.1	8	7/8"	252	445
100	305	30.2	102	157.2	1.5	254	200.2	8	7/8"	300	530
125	381	33.3	127	185.7	1.5	299	235	8	7/8"	300	580
150	403	35.1	152	215.9	1.5	318	269.7	12	7/8"	400	740
200	419	39.6	203	269.9	1.5	381	330.2	12	1"	500	935
250	457	46	254	323.8	1.5	444	387.4	16	1.1/8"	500	1170
300	502	49.3	305	381	1.5	521	450.8	16	1.1/4"	450	1295

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

