AV-288B Cast Carbon Steel Gate Valve, Flanged Ends, Class-600

Features

Product Standard	API 600
Testing Standard	API-598
Pressure / Class Rating	Class-600
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-600 Raised Face (Drilled)
Test Pressure	Body: 153 Bar (Hyd.), Seat: 112 Bar (Hyd.), Seat: 7 Bar (Air)
Max. Working Temperature	425°C

Notes

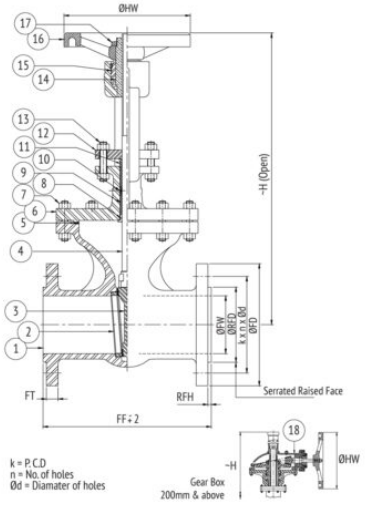
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

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	S.S./ F.S.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a
3	Wedge	C.C.S/ C.A.S.	ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM 217 Gr. CA15
4	Stem	Stainless Steel	ASTM A276 TYPE 410
5	Gasket	Spiral Wound S.S. 304 Graphite Filler With Inner Ring	–
6	Bonnet	C.C.S	ASTM A216 Gr. WCB
7	Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H
8	Back Seat Bush	Stainless Steel	ASTM A276 TYPE 410
9	Gland Packing	Flexible Graphite	–
10	Lantern Ring	S.S.	ASTM A276 TYPE 410
11	Gland Follower	Stainless Steel	ASTM A276 TYPE 410
12	Gland Flange	C.C.S./ C.S.	ASTM A216 Gr. WCB/ –
13	Gland Studs & Nuts	Alloy Steel/ H.T Steel	ASTM A193 Gr. B7/ASTM A194 Gr. 2H
14	Yoke Sleeve	Al. Bronze / S.S.	BSEN 1982 Gr. CC331G
15	Yoke sleeve Retaining Nut	Carbon Steel	–
16	Handwheel	D.I./ M.I.	ASTM A536 Gr. 80-55-08/ ASTM A338
17	Handwheel Retaining Nut	Carbon Steel	–
18	Gear Assembly	C.I.	–



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Dimensional Data

Nominal Size (mm)	FF	FT	ØFW	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
40	241	22.3	38.1	73	7	155	114.3	4	7/8″	210	410
50	292	25.4	50.8	92.1	7	165	127	8	3/4″	210	470
65	330	28.6	63.5	104.8	7	190	149.2	8	7/8″	210	540
80	356	31.8	76.2	127	7	210	168.3	8	7/8″	254	610
100	432	38.1	102	157.2	7	275	215.9	8	1″	350	725
125	508	44.5	127	185.7	7	330	266.7	8	1.1/8″	400	870
150	559	47.7	153	215.9	7	355	292.1	12	1.1/8″	500	1050
200	660	55.6	200	269.9	7	420	349.2	12	1.1/4″	450	1345
250	787	63.5	247.7	323.8	7	510	431.8	16	1.3/8″	450	1370
300	838	66.7	298.5	381	7	560	489	20	1.3/8″	450	1645

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

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