

## AV-289 (WCB) Globe Valve, Class-150

### Features

Yoke Type, Outside Screw, Rising Stem  
Flanges as per ASME B16.5, Class-600 RF (Drilled)  
Product Standard: API:09:600:

### Test Pressure

Body : 153 Bar (Hyd.)  
Back Seat & Seat : 112 Bar (Hyd.)  
Seat : 6.9 Bar (Air)  
Working Conditions : (Max cold workin pressure 102.1 Bar. Hyd.)  
Testing Standard : API 596:09

### Suitability

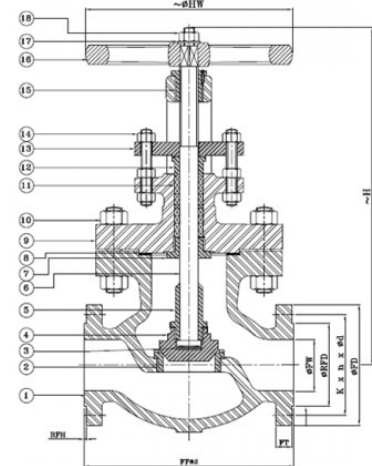
Water, Steam, Oil



### 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./ 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	-
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	BSEN 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	-

NOTE : 1. This item can be supplied in WC6, WC9 material also.



### Dimensional Data

Nominal Size (mm)	FF	FT	ØFW(Min.)	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
40	165 ±2	12.7	38	73	2	125	98.4	4	5/8"	203	240
50	203 ±2	14.3	51	92.1	2	150	120.7	4	3/4"	203	270
65	216 ±2	15.9	64	104.8	2	180	139.7	4	3/4"	229	310
80	241 ±2	17.5	76	127	2	190	152.4	4	3/4"	229	350

Nominal Size (mm)	FF	FT	ØFW(Min.)	ØRFD	RFH	ØFD	K	n	Ød	ØHW	H
100	292 ±2	22.3	102	157.2	2	230	190.5	8	3/4"	254	400
125	356 ±2	22.3	127	185.7	2	255	215.9	8	7/8"	254	425
150	406 ±2	23.9	152	215.9	2	280	241.3	8	7/8"	305	500
200	495 ±2	27	203	269.9	2	345	298.5	8	7/8"	457	590
250	622 ±2	28.6	254	323.8	2	405	362	12	1"	560	740
300	698 ±3	30.2	305	381	2	485	431.8	12	1"	635	805
350	787 ±3	33.4	337	412.8	2	535	476.3	12	1.1/8"	450	1150
400	914 ±3	35	387	469.9	2	595	539.8	16	1.1/8"	450	1210

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