

## AV-312 F.C.S. (A105) Gate Valve, Flanged Ends, Class-600

### Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, SS Trim  
Flanges as per ASME B 16.5 CL-600 R.F. (Drilled)  
Product Standard: API-602/EN-15761

### Test Pressure

Body : 153 Bar (Hyd.)  
Seat : 112 Bar (Hyd.)  
Testing Standard : API-598/ BSEN-12266-1

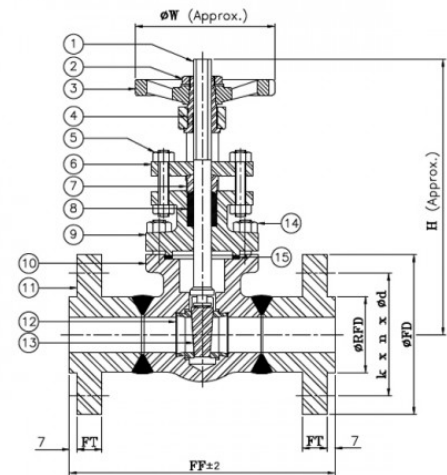
### Suitability

Water, Steam, Oil



### Material Combination

P.No.	Name of Part	Material	Specification
1	Stem	Stainless Steel	ASTM A276 TYPE 410
2	Handwheel Retaining Nut	Steel	-
3	Handwheel	MI / Cast Iron	ASTM A338 IS 210 Gr. FG200
4	Yoke Bush	Stainless Steel	ASTM A582 TYPE 416
5	Stud Bolts / Nuts	Alloy Steel / H.T. Steel	ASTM A193 Gr. B7 & ASTM A194 Gr. 2H
6	Gland Flange	Forged Carbon Steel	ASTM A105
7	Gland Follower	Stainless Steel	ASTM A276 TYPE 410
8	Gland Packing	To Suit Service Conditions	-
9	Bonnet	Forged Carbon Steel	ASTM A105
10	Body	Forged Carbon Steel	ASTM A105
11	Welded on Flanges	Forged Carbon Steel	ASTM A105
12	Body Seat Ring	Stainless Steel	ASTM A182 Gr. F6a / SS 410
13	Wedge	Stainless Steel	ASTM A182 Gr. F6a / SS 410
14	Studs and Nuts	Alloy Steel / H.T. Steel	ASTM A193 Gr. B7 & ASTM A194 Gr. 2H
15	Gasket	Spiral Wound S.S. 304 Graphoil	-



### Dimensional Data

Nominal Size (mm)	FF ±2	H	ØW	ØFD	FT	ØRFD	k	n	Ød
15	165	132	80	95	14.3	34.9	66.7	4	15.9
20	190	175	90	115	15.9	42.9	82.6	4	19.1
25	216	175	90	125	17.5	50.8	88.9	4	19.1
32	229	215	152	135	20.7	63.5	98.4	4	19.1
40	241	215	152	155	22.3	73	114.3	4	22.3
50	292	245	152	165	25.4	92.1	127	8	19.1

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