

DAVS GEMINI VALVES PVT LTD

FORGED STEEL GATE VALVE (REDUCED PORT)



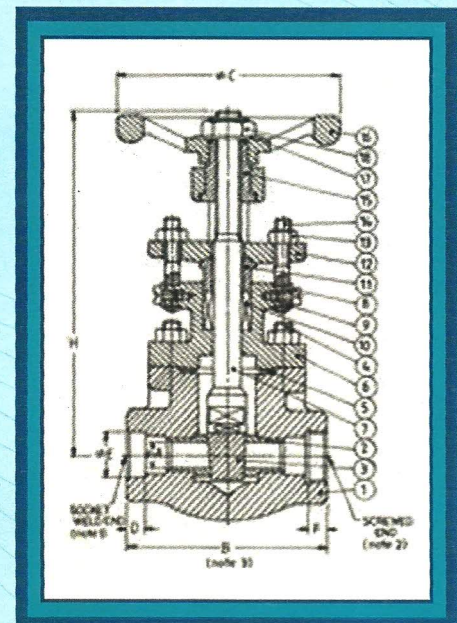
Design STD API:60/BS:5352
Testing STD API:598/BS:6755, Part-1

CLASS		800						
Size		6	10	15	20	25	40	50
øA		6.4	6.4	9.5	12.7	17.5	30.0	36.0
B		88	88	88	92	106	128	140
øC		110	110	110	110	110	170	170
D		9.7	9.7	9.7	12.7	12.7	12.7	15.8
øE		14.1	17.5	21.7	27.1	33.8	48.7	61.1
F		10.2	10.4	13.5	14.5	17.3	18.1	23.4
øG		14.1	17.5	23.0	28.0	35.0	50.0	62.0
H Approx	Open	162	162	162	175	193	270	275
	Close	154	154	152	162	169	234	236
øS	SCH-40	9.3	12.5	15.8	20.9	26.7	40.9	52.5
	SCH-80	7.7	10.8	13.9	18.9	24.3	38.1	49.3
	SCH-160	--	--	11.8	15.8	20.7	34.0	42.9
Wt-Kgs. Approx		2.4	2.4	2.4	2.7	3.7	8.2	12.2

Notes :

1. Socket weld ends to ANSI-B:16,11, SCH, 40/80/160
2. Screwed ends to BSP

BSPT } BS:21/IS:554
 NPT-ANSI:B 2.1
3. Dimn. 'B' as per manufacturers STD
4. Butt weld ends to ANSI-B:16.25, SCH. 40/80/160
5. All dimensions are in mm.



Pt.No.	PART NAME	MATERIAL
1	Body	ASTM A-105, A-182, F-304/F-316
2	Seat Ring	A-276, 410/304/316
3	Plug	A-217 CA-15, A-351 CF-8/CF8M
4	Stud Nut	A-193 Gr. B7/A-194, Gr. 2H
5	Gasket	Spiral wound SS:304 Asb.filled
6	Bonnet	ASTM A-105, A-182, F-304/F-316
7	Stem	A-276, 410/304/316
8	Screw	Steel Galvanised
9	Washer	Steel Galvanised
10	Packing	Graphited Asb wire reinforced
11	Gland	A-276, 410/304/316
12	Gland flange	AST A-105, A-182, F-304/F-316
13	Eye Bolt Nut	Steel IS:1367, cl. 8/A-194, Gr. 2H/8
14	Eye bolt/Stud	Steel IS:1367, cl. 8.8/A-193, Gr. B7/88
15	Yoke-sleeve	Ni-Resist ASTM A-439, Gr. D2
16	Hand wheel	Malleable iron IS:2108 Gr. B
17	Name plate	Stainless Steel
18	Hand wheel nut	Steel

Code	A105	F304	F316	CA15	CF8	CF8M	410	304	316	F22
Material	A105	A182	A182	A217	A351	A351	A276	A276	A276	A182
SPECN		F304	F316	CA15	CF8	CF8M	410	304	316	F22

TEST PRESSURES BAR		
HYDRO- STATIC	Shell	207
	Seat	152
	Back Seat	152
Air	Seat	6.9

DAVS GEMINI VALVES PVT LTD

FORGED STEEL GLOBE VALVE (REDUCED PORT)



Design STD BS:5352
Testing STD BS:6755, Part-1/API:598

Pl.No.	PART NAME	MATERIAL
1	Body	ASTM A-105, A-182, F-304/F-316
2	Seat Ring	A-276, 410/304/316
3	Plug	A-217 CA-15, A-351 CF-8/CF8M
4	Stud Nut	A-193 Gr. B7/A-194, Gr. 2H
5	Gasket	Spiral wound SS:304 Asb.filled
6	Bonnet	ASTM A-105, A-182, F-304/F-316
7	Stem	A-276, 410/304/316
8	Screw	Steel Galvanised
9	Washer	Steel Galvanised
10	Packing	Graphited Asb wire reinforced
11	Gland	A-276, 410/304/316
12	Gland flange	AST A-105, A-182, F-304/F-316
13	Eye Bolt Nut	Steel IS:1367, cl. 8/A-194, Gr. 2H/8
14	Eye bolt/Stud	Steel IS:1367, cl. 8.8/A-193, Gr. B7/88
15	Yoke-sleeve	Ni-Resist ASTM A-439, Gr. D2
16	Lock Nut	Steel Galvanised
17	Hand wheel	Malleable iron IS:2108 Gr. B
18	Name plate	Stainless Steel
19	Hand wheel nut	Steel
20	Grub Screw	Steel

Code	A105	F304	F316	CA15	CF8	CF8M	410	304	316	F22
Material	A105	A182	A182	A217	A351	A351	A276	A276	A276	A182
SPECN		F304	F316	CA15	CF8	CF8M	410	304	316	F22

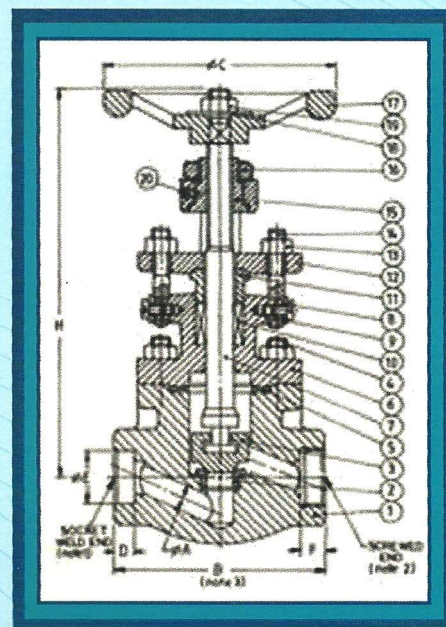
CLASS		800						
Size		6	10	15	20	25	40	50
øA		6.4	6.4	9.5	12.7	17.5	30.0	36.0
B		88	88	88	92	106	128	140
øC		110	110	110	110	110	170	170
D		9.7	9.7	9.7	12.7	12.7	12.7	15.8
øE		14.1	17.5	21.7	27.1	33.8	48.7	61.1
F		10.2	10.4	13.5	14.5	17.3	18.1	23.4
øG		14.1	17.5	23.0	28.0	35.0	50.0	62.0
H	Open	169	169	169	184	195	282	292
	Close	159	159	159	169	176	252	254
øS	SCH-40	9.3	12.5	15.8	20.9	26.7	40.9	52.5
	SCH-80	7.7	10.8	13.9	18.9	24.3	38.1	49.3
	SCH-160	--	--	11.8	15.6	20.7	34.0	42.9
Wt-Kgs. Approx		2.5	2.5	2.5	2.8	3.5	8.5	13.5

Notes :

- Socket weld ends to ANSI-B:16,11, SCH, 40/80/160
- Screwed ends to BSP

BSPT } BS:21/IS:554
 NPT-ANSI:B 2.1
- Dimn. 'B' as per manufacturers STD
- Butt weld ends to ANSI-B:16.25, SCH. 40/80/160
- All dimensions are in mm.

TEST PRESSURES BAR		
HYDRO-STATIC	Shell	207
	Seat	152
	Back Seat	152
Air	Seat	6.9



DAVS GEMINI VALVES PVT LTD

FORGED STEEL CHECK VALVE (REDUCED PORT)



Design STD. BS:5352
Testing STD. BS:6755 Part-1/APL:598

CLASS		800						
		6	10	15	20	25	40	50
ϕA		6.4	6.4	9.5	12.7	17.5	30.0	36.0
B		88	88	88	92	106	128	140
D		9.7	9.7	9.7	12.7	12.7	12.7	15.8
ϕE		14.1	17.5	21.7	27.1	33.8	48.7	61.1
F		10.2	10.4	13.5	14.5	17.3	19.1	23.4
ϕG		14.1	17.5	23.0	28.0	35.0	50.0	62.0
H Approx		56	58	56	65	74	104	106
ϕS	SCH-40	9.3	12.5	15.8	20.9	26.7	40.9	52.5
	SCH-80	7.7	10.8	13.9	18.9	24.3	38.1	49.3
	SCH-160	--	--	11.8	15.6	20.7	34.0	42.9
		1.7	1.7	1.4	1.8	3.0	6.2	9.2

Pt.No.	PART NAME	MATERIAL
1	Body	ASTM A-105, A-182, F-304/F-316
2	Seat Ring	A-276, 410/304/316
3	Disc	A-217 CA-15, A-351 CF-8/CF8M
4	Gasket	Spiral wound SS:304 Ash. filled
5	Spring	SS:316
6	Cover	ASTM A-105, A-182, F-304/F-316
7	Stud/Nut	A-193, Gr:B7/A-194, Gr:2J
8	Name Plate	Stainless Steel

Notes :

1. Socket weld ends to ANSI-B:16,11, SCH, 40/80/160
2. Screwed ends to BSP
 - BSPT — BS:21/IS:554
 - NPT-ANSI:021
3. Dimn. 'B' as per manufacturers std.
4. Butt weld ends to ANSI-B:16.25, SCH. 40/80/160
5. All dimensions are in mm.

Code	A105	F304	F316	CA15	CF8	CF8M	410	304	316	F22
Material	A105	A182	A182	A217	A351	A351	A276	A276	A276	A182
SPECN		F304	F316	CA15	CF8	CF8M	410	304	316	F22

TEST PRESSURES BAR

HYDRO-STATIC	Shell	207
	Seat	152

