

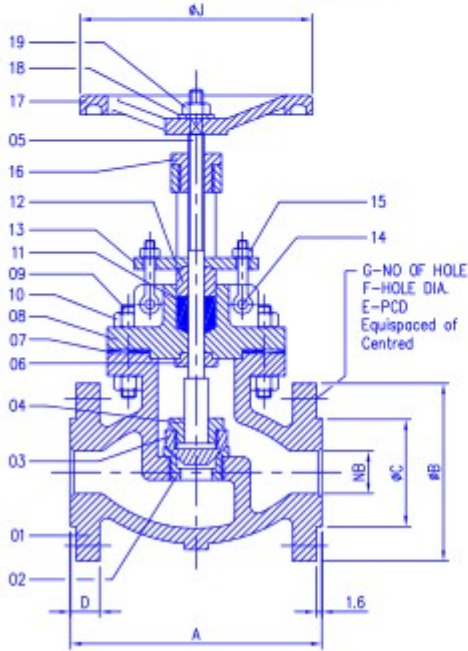
GLOBE VALVES

CLASS
150 / 300



TECHNICAL DATA

MANUFACTURING STD.: BS 1873
 TESTING & INSPECTION STD.: API 598/BS 5146
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER
 B 16.5 RF/BS 1560



ASA - 150								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
25	127	108.0	51	11.0	79.0	16	4	150
40	165	127.0	73	14.0	98.5	16	4	210
50	203	152.0	92	16.0	120.5	19	4	210
65	216	178.0	105	17.5	140.0	19	4	255
80	241	190.5	127	19.0	154.0	19	4	255
100	292	229.0	157	24.0	190.5	19	8	405
125	356	254.0	186	24.0	216.0	22	8	490
150	406	279.0	216	25.0	241.0	22	8	490
200	495	343.0	270	28.5	298.0	22	8	610
250	622	406.0	324	30.0	362.0	25	12	625
300	698	483.0	381	32.0	432.0	25	12	625

P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CF8/CF8M/CN7M
02	SEAT	1	S.S. 13% Cr. AISI 304/AISI 316
03	DISC	1	C.S. WITH 13% Cr. FACING AISI 410/AISI 304/AISI 316
04	SPINDLE NUT	1	AISI 410/AISI 304/AISI 316
05	SPINDLE	1	AISI 410/304/316
06	BONNET BUSH	1	AISI 410/304/316
07	BODY SEAL	1	S.S. 304 SPIRAL WOUND METALIC GASKET
08	BONNET	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CF8/CF8M/CN7M
09	BONNET STUD	Req.	ASTM A 193 Gr. B7
10	BONNET STUD NUT	Req.	ASTM A 194 Gr. 2H
11	GLAND PACKING	Req.	METALIC WIRE REINFORCED GRAPHITED ASBESTOS/GRAPHOL
12	GLAND	1	AISI 410/304/316
13	GLAND FLANGE	1	CARBON STEEL
14	CROSS BOLT/NUT	2/2	CARBON STEEL
15	EYE BOLT/NUT	2/2	CARBON STEEL
16	YOKE NUT	1	AL. BRONZE/NI-RESIST
17	HAND WHEEL	1	DUCTILE IRON
18	WASHER	1	CARBON STEEL
19	HAND WHEEL NUT	1	CARBON STEEL

ASA - 300								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
25	203.0	124.0	51	17.5	89	19	4	210
40	229.0	155.5	73	20.5	114	22	4	250
50	267.0	165.0	92	22.0	127	19	8	250
65	292.0	190.0	105	25.0	149	22	8	405
80	317.5	209.0	127	28.5	168	22	8	405
100	356.0	254.0	157	32.0	200	22	8	490
125	375.0	279.0	186	35.0	235	22	8	490
150	444.5	317.5	216	36.5	270	22	12	490
200	533.0	381.0	270	41.0	330	25	12	610
250	622.0	444.5	324	47.5	387	29	16	610
300	711.0	521.0	381	51.0	451	32	16	610

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS. BODY SEAT
150	150 PSIG	500F	425 PSIG 300 PSIG
300	300 PSIG	855F	1100 PSIG 800 PSIG
AIR TEST - SEAT 102 PSIG			

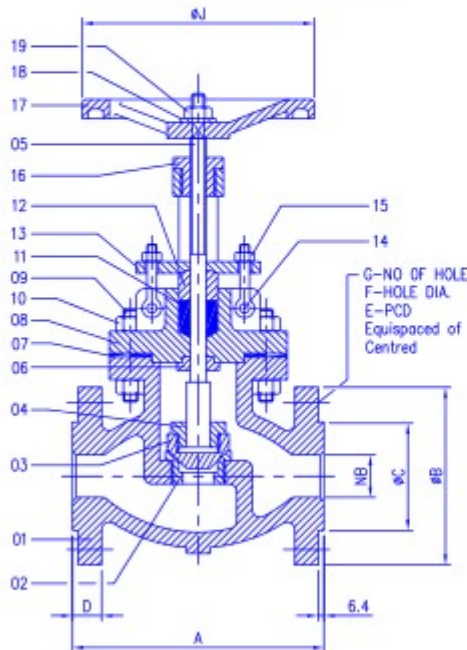
ALL DIMENSON ARE IN MM

GLOBE VALVES

CLASS
400



TECHNICAL DATA
 MANUFACTURING STD.: BS 1873
 TESTING & INSPECTION STD.: API 598/BS 5146
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER
 B 16.5 RF/BS 1560



P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CF8M/CN7M
02	SEAT	1	S.S. 13% Cr. AISI 304/AISI 316
03	DISC	1	C.S. WITH 13% Cr. FACING AISI 410/AISI 304/AISI 316
04	SPINDLE NUT	1	AISI 410/AISI 304/AISI 316
05	SPINDLE	1	AISI 410/304/316
06	BONNET BUSH	1	AISI 410/304/316
07	BODY SEAL	1	S.S. 304 SPIRAL WOUND METALIC GASKET
08	BONNET	1	ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CF8M/CN7M
09	BONNET STUD	Req.	ASTM A 193 Gr. B7
10	BONNET STUD NUT	Req.	ASTM A 194 Gr. 2H
11	GLAND PACKING	Req.	METALIC WIRE REINFORCED GRAPHITED ASBESTOS/GRAPHOL
12	GLAND	1	AISI 410/304/316
13	GLAND FLANGE	1	CARBON STEEL
14	CROSS BOLT/NUT	2/2	CARBON STEEL
15	EYE BOLT/NUT	2/2	CARBON STEEL
16	YOKE NUT	1	AL. BRONZE/Ni-RESIST
17	HAND WHEEL	1	DUCTILE IRON
18	WASHER	1	CARBON STEEL
19	HAND WHEEL NUT	1	CARBON STEEL

ASA - 400								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
25	216	124	51	17.5	89.0	19	4	250
40	241	156	73	22.0	114.0	22	4	250
50	292	165	92	25.0	127.0	19	8	305
65	330	191	105	29.0	149.0	22	8	305
80	356	210	127	32.0	168.0	22	8	405
100	406	254	157	35.0	200.0	25	8	405
125	457	279	186	38.0	235.0	25	8	490
150	495	318	216	41.0	270.0	25	12	490
200	597	381	270	48.0	330.0	29	12	610
250	673	445	324	54.0	387.0	32	16	672
300	762	521	381	57.0	451.0	35	16	825

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS. BODY SEAT
400	400 PSIG	850T	1450 PSIG/1060 PSIG
AIR TEST - SEAT 102 PSIG			

ALL DIMENSION ARE IN MM

AVM Engineers

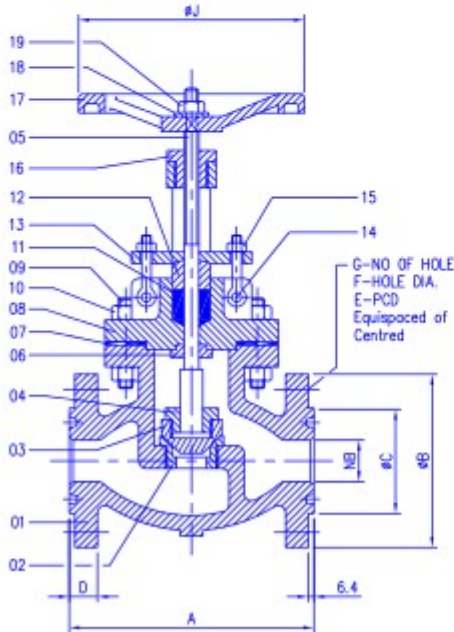
GLOBE VALVES

CLASS
600 / 900



TECHNICAL DATA

MANUFACTURING STD.: BS 1873
 TESTING & INSPECTION STD.: API 598/BS 5146
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER
 B 16.5 RF/BS 1560



ASA - 600								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
25	216	124	51	17.5	89	19	4	210
40	241	156	73	22.0	114	22	4	228
50	292	165	92	25.0	127	19	8	305
65	330	191	105	29.0	149	22	8	356
80	356	210	127	32.0	168	22	8	405
100	432	273	157	38.0	216	25	8	490
125	508	330	186	45.0	267	29	8	490
150	559	356	216	48.0	292	29	12	610
200	660	419	270	56.0	349	32	12	675
250	787	508	324	64.0	432	35	16	825
300	838	559	381	67.0	489	35	20	825

P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CFB/CFBM/CN7M
02	SEAT	1	S.S. 13% Cr. AISI 304/AISI 316
03	DISC	1	C.S. WITH 13% Cr. FACING AISI 410/AISI 304/AISI 316
04	SPINDLE NUT	1	AISI 410/AISI 304/AISI 316
05	SPINDLE	1	AISI 410/304/316
06	BONNET BUSH	1	AISI 410/304/316
07	BODY SEAL	1	S.S. 304 SPIRAL WOUND METALIC GASKET
08	BONNET	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CFB/CFBM/CN7M
09	BONNET STUD	Req.	ASTM A 193 Gr. B7
10	BONNET STUD NUT	Req.	ASTM A 194 Gr. 2H
11	GLAND PACKING	Req.	METALIC WIRE REINFORCED GRAPHITED ASBESTOS/GRAPHOL
12	GLAND	1	AISI 410/304/316
13	GLAND FLANGE	1	CARBON STEEL
14	CROSS BOLT/NUT	2/2	CARBON STEEL
15	EYE BOLT/NUT	2/2	CARBON STEEL
16	YOKE NUT	1	AL. BRONZE/NI-RESIST
17	HAND WHEEL	1	DUCTILE IRON
18	WASHER	1	CARBON STEEL
19	HAND WHEEL NUT	1	CARBON STEEL

ASA - 900								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
40	241	172.8	73.0	38.2	123.8	28.6	4	228
50	292	215.9	92.1	44.5	165.1	25.4	8	305
65	330	244.5	104.1	47.7	190.5	28.6	8	356
80	381	241.3	127.0	44.5	190.5	25.4	8	405
100	457	292.1	157.2	50.9	234.9	31.7	8	559
150	610	381.0	215.9	62.0	317.5	31.7	12	610

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS.	SEAT
600	600 PSIG	850°F	2175 PSIG	1600 PSIG
900	900 PSIG	F	PSIG	PSIG
AIR TEST - SEAT 102 PSIG				

ALL DIMENSION ARE IN MM

AVM Engineers

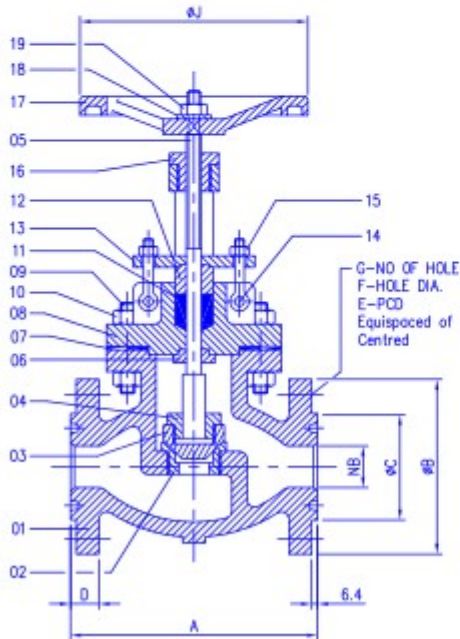
GLOBE VALVES

CLASS
1500 / 2500



TECHNICAL DATA

MANUFACTURING STD.: BS 1873
 TESTING & INSPECTION STD.: API 598/BS 5146
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER
 B 16.5 RF/BS 1560



P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CFB/CFBM/CN7M
02	SEAT	1	S.S. 13% Cr. AISI 304/AISI 316
03	DISC	1	C.S. WITH 13% Cr. FACING AISI 410/AISI 304/AISI 316
04	SPINDLE NUT	1	AISI 410/AISI 304/AISI 316
05	SPINDLE	1	AISI 410/304/316
06	BONNET BUSH	1	AISI 410/304/316
07	BODY SEAL	1	S.S. 304 SPIRAL WOUND METALIC GASKET
08	BONNET	1	ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CFB/CFBM/CN7M
09	BONNET STUD	Req.	ASTM A 193 Gr. B7
10	BONNET STUD NUT	Req.	ASTM A 194 Gr. 2H
11	GLAND PACKING	Req.	METALIC WIRE REINFORCED GRAPHITED ASBESTOS/GRAPHOL
12	GLAND	1	AISI 410/304/316
13	GLAND FLANGE	1	CARBON STEEL
14	CROSS BOLT/NUT	2/2	CARBON STEEL
15	EYE BOLT/NUT	2/2	CARBON STEEL
16	YOKE NUT	1	AL. BRONZE/Ni-RESIST
17	HAND WHEEL	1	DUCTILE IRON
18	WASHER	1	CARBON STEEL
19	HAND WHEEL NUT	1	CARBON STEEL

ASA - 1500								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
40	305	177.8	73.0	38.2	123.8	28.6	4	356
50	368	215.9	92.1	44.5	165.1	25.4	8	406
65	419	244.5	104.8	47.7	190.5	28.6	8	508
80	470	266.9	127.0	54.0	203.2	31.7	8	610
100	546	311.1	157.2	60.4	241.3	34.9	8	610
150	705	393.7	215.9	89.0	317.5	38.1	12	660

ASA - 2500								
NB	A	ØB	ØC	D	E	ØF	G	ØJ
40	305	203.2	73.0	50.8	146.0	31.7	4	356
50	368	234.9	92.1	57.2	173.4	28.6	8	406
65	419	266.7	104.8	63.5	196.8	31.7	8	508
80	578	304.8	127.0	73.1	228.6	34.9	8	610
100	673	355.6	157.2	82.6	273.0	41.3	8	610
150	915	482.6	215.9	114.3	368.3	54.0	8	800

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS.	
			BODY	SEAT
1500	1500 PSIG	F	PSIG	PSIG
2500	2500 PSIG	F	PSIG	PSIG
AIR TEST - SEAT 102 PSIG				

ALL DIMENSION ARE IN MM

AVM Engineers