



FIG. 3118F

GLOBE VALVE ANSI CLASS 150 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

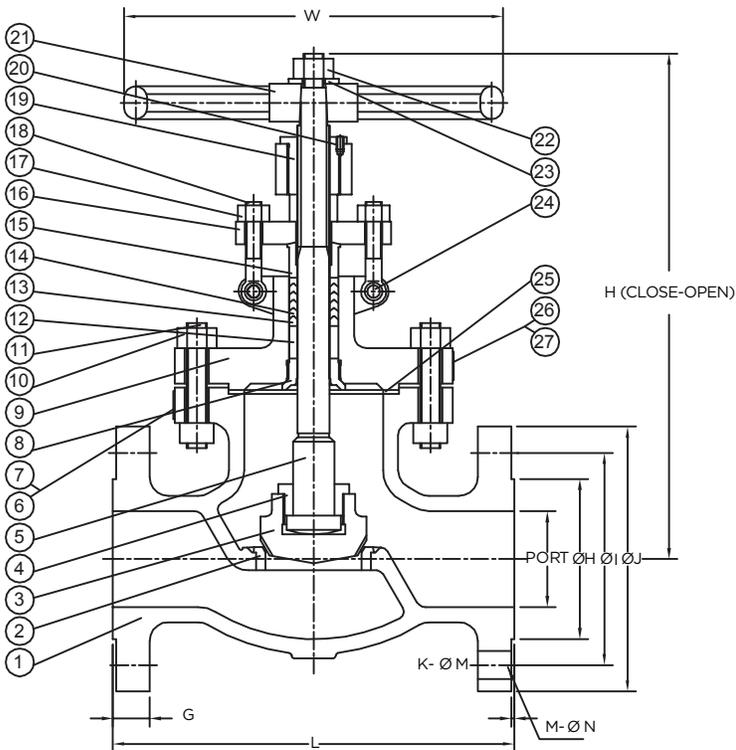
TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 285 PSI
 SHELL TEST (WATER): 450 PSIG
 BACK SEAT & SEAT TEST (WATER): 314 PSIG
 AIR TEST: 87 PSIG

BODY MARK

LINE
 2
 150

 WCB



MATERIAL LIST

1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	NAMEPLATE	SS304
7	RIVET	SS304
8	BACK SEAT RING	ASTM A-276 Gr. 410
9	BONNET	ASTM A-216 Gr.W
10	BONNET NUT	ASTM A-194 Gr. 2H
11	BONNET BOLT	ASTM A-193 Gr. B7
12	PACKING WASHER	ASTM A-276 Gr. 410
13	PACKING	GRAPHITE
14	PACKING	GRAPHITE
15	GLAND	ASTM A-276 Gr. 410
16	GLAND FLANGE	ASTM A-216 Gr. WCB
17	EYE NUT	ASTM A-194 Gr. 2H
18	EYE BOLT	ASTM A-193 Gr. B7
19	STEM NUT	ASTM A-439 Gr. D-2
20	SCREW	AISI 1035
21	HANDWHEEL	ASTM A-536 Gr. 65-45-12
22	LOCK NUT	ASTM A-194 Gr. 2H
23	WASHER	AISI 1035
24	PIN	AISI 1045
25	GASKET	SS304+GRAPHITE

DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)	
3118F-09	2"	DN50	2.00	8.00	12.87	11.89	7.87	6.00	4.75	3.62	0.70	0.06	4.00	0.75	19.00	164.60
3118F-10	2 1/2"	DN65	2.50	8.50	14.02	12.87	9.84	7.00	5.50	4.12	0.88	0.06	4.00	0.75	27.50	252.20
3118F-11	3"	DN80	3.00	9.50	14.76	13.46	11.81	7.50	6.00	5.00	0.94	0.06	4.00	0.75	31.00	392.10
3118F-12	4"	DN100	4.00	11.50	17.99	16.50	11.81	9.00	7.50	6.18	0.94	0.06	8.00	0.75	48.50	688.60
3118F-13	5"	DN125	5.00	14.00	18.03	16.42	13.78	10.00	8.50	7.32	0.94	0.06	8.00	0.88	75.50	883.30
3118F-14	6"	DN150	6.00	16.00	19.65	17.56	15.75	11.00	9.50	8.50	1.00	0.06	8.00	0.88	90.00	1442.7



FIG. 3118F

GLOBE VALVE ANSI CLASS 150 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 285 PSI
 SHELL TEST (WATER): 450 PSIG
 BACK SEAT & SEAT TEST (WATER): 314 PSIG
 AIR TEST: 87 PSIG

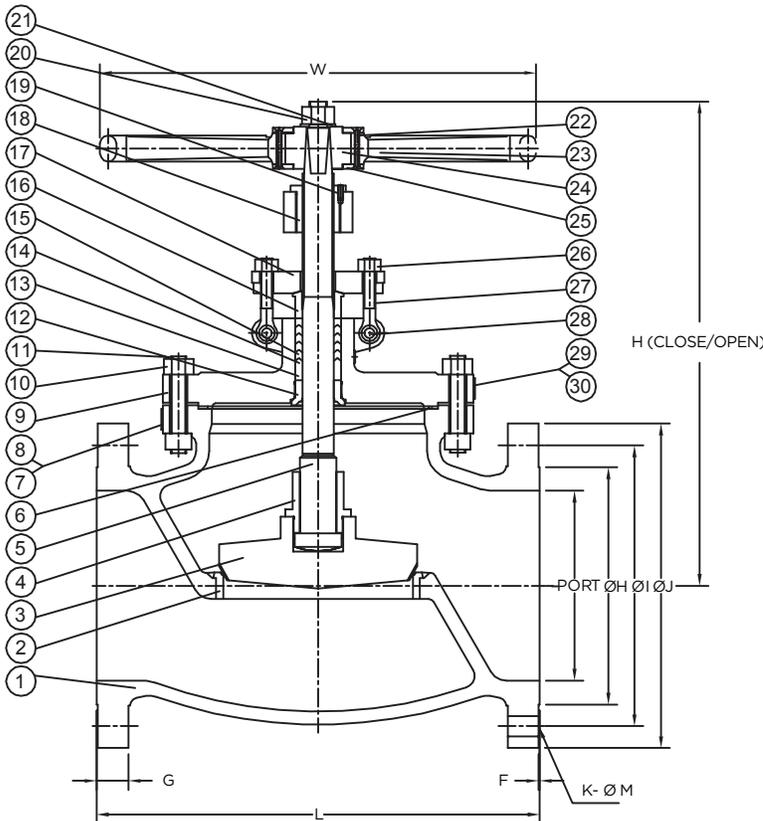
BODY MARK

LINE
 2
 150

 WCB

MATERIAL LIST

1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	GASKET	SS304+GRAPHITE
7	NAMEPLATE	SS304
8	RIVET	SS304
9	BONNET	ASTM A-216 Gr. WCB
10	BONNET NUT	ASTM A-194 Gr. 2H
11	BONNET BOLT	ASTM A-193 Gr. B7
12	BACK SEAT RING	ASTM A-276 Gr. 410
13	PACKING WASHER	ASTM A-276 Gr. 410
14	PACKING	GRAPHITE
15	PACKING	GRAPHITE
16	GLAND	ASTM A-276 Gr. 410
17	GLAND FLANGE	ASTM A-216 Gr. WCB
18	STEM NUT	ASTM A-439 Gr. D-2
19	SCREW	AISI 1035
20	LOCK NUT	ASTM A-194 Gr. 2H
21	WASHER	AISI 1035
22	SCREW	AISI 1035
23	HANDWHEEL	ASTM A-536 Gr. 65-45-12
24	IMPACT PLATE	ASTM A-216 Gr. WCB
25	APRON PLATE	CARBON STEEL
26	EYE NUT	ASTM A-194 Gr. 2H
27	EYE BOLT	ASTM A-193 Gr. B7
28	PIN	AISI 1045



DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)
3118F-15	8"	DN200	8.00	19.50	22.56	20.12	17.72	13.50	11.75	10.62	1.12	0.06	8.00	141.00	2695.00
3118F-16	10"	DN250	10.00	24.50	25.91	22.87	21.65	16.00	14.25	12.75	1.19	0.06	12.00	279.00	4336.90
3118F-17	12"	DN300	12.00	27.50	32.69	28.65	24.00	19.00	17.00	15.00	1.25	0.06	12.00	396.00	6124.70

*WEIGHT IS ESTIMATED
 *ALL DIMENSIONS ARE EXPRESSED IN INCHES



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FIG. 3318F

GLOBE VALVE ANSI CLASS 300 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

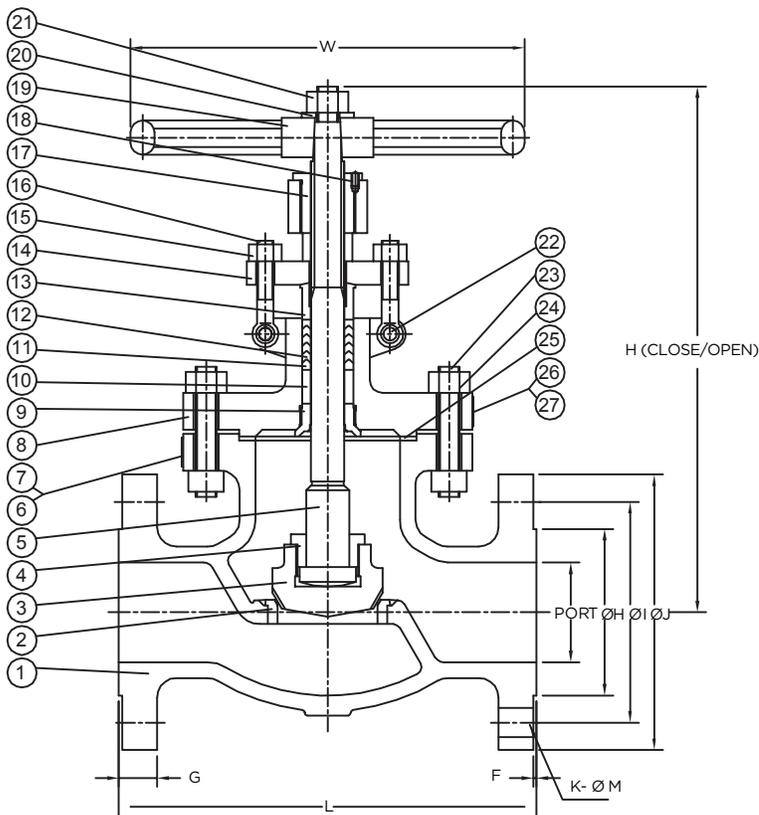
TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 740 PSI
 SHELL TEST (WATER): 1110 PSIG
 BACK SEAT & SEAT TEST (WATER): 814 PSIG
 AIR TEST: 87 PSIG

BODY MARK

LINE
 2
 300

 WCB



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	NAMEPLATE	SS304
7	RIVET	SS304
8	BONNET	ASTM A-216 Gr.WCB
9	BACK SEAT RING	ASTM A-276 Gr. 410
10	PACKING WASHER	ASTM A-276 Gr. 410
11	PACKING	GRAPHITE
12	PACKING	GRAPHITE
13	GLAND	ASTM A-276 Gr. 410
14	GLAND FLANGE	ASTM A-216 Gr. WCB
15	EYE NUT	ASTM A-194 Gr. 2H
16	EYE BOLT	ASTM A-193 Gr. B7
17	STEM NUT	ASTM A-439 Gr. D-2
18	SCREW	AISI 1035
19	HANDWHEEL	ASTM A-536 Gr. 65-45-12
20	WASHER	AISI 1035
21	LOCK NUT	ASTM A-194 Gr. 2H
22	PIN	AISI 1045
23	BONNET BOLT	ASTM A-193 Gr. B7
24	BONNET NUT	ASTM A-194 Gr. 2H
25	GASKET	SS304+GRAPHITE

DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)	
3318F-09	2"	DN50	2.00	10.50	13.03	11.89	7.87	6.50	5.00	3.62	0.88	0.06	8.00	0.75	25.70	336.30
3318F-10	2 1/2"	DN65	2.50	11.50	14.33	12.87	9.84	7.50	5.88	4.12	1.00	0.06	8.00	0.88	37.00	663.80
3318F-11	3"	DN80	3.00	12.50	15.35	14.06	11.81	8.25	6.62	5.00	1.12	0.06	8.00	0.88	50.00	8141.30
3318F-12	4"	DN100	4.00	14.15.75	18.03	16.65	13.78	10.00	7.88	6.18	1.26	0.06	8.00	0.88	72.20	1557.70
3318F-13	5"	DN125	5.00	14.00	19.96	18.27	15.75	10.98	9.25	7.32	1.38	0.06	8.00	0.88	110.00	3221.70

*WEIGHT IS ESTIMATED
 *ALL DIMENSIONS ARE EXPRESSED IN INCHES



FIG. 3318F

GLOBE VALVE ANSI CLASS 300 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

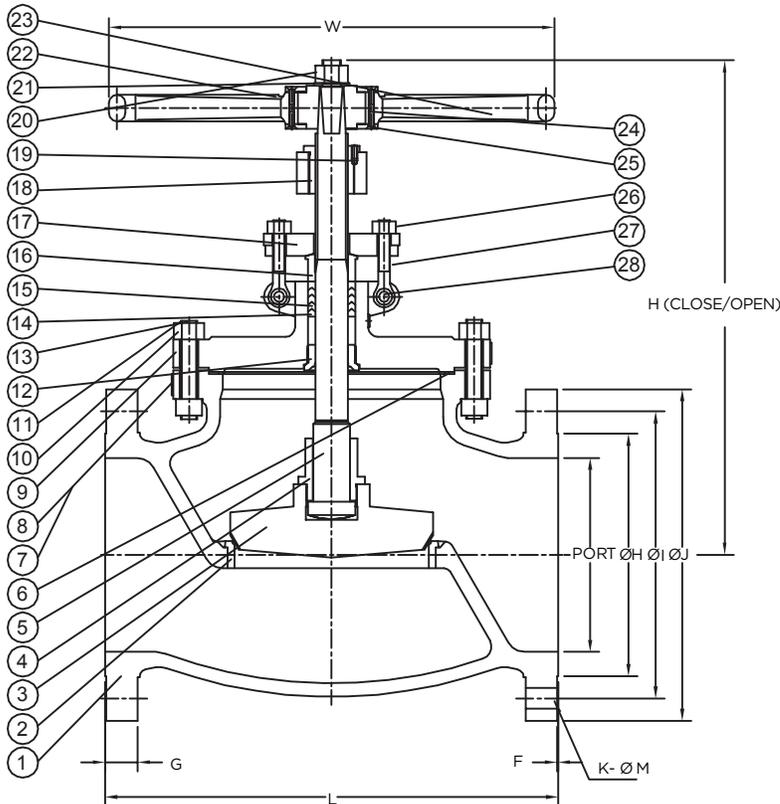
TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 740 PSI
 SHELL TEST (WATER): 1100 PSIG
 BACK SEAT & SEAT TEST (WATER): 814 PSIG
 AIR TEST: 87 PSIG

BODY MARK

LINE
 2
 300

 WCB



MATERIAL LIST

1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	GASKET	SS304+GRAPHITE
7	NAMEPLATE	SS304
8	RIVET	SS304
9	BONNET	ASTM A-216 Gr. WCB
10	BONNET NUT	ASTM A-194 Gr. 2H
11	BONNET BOLT	ASTM A-193 Gr. B7
12	BACK SEAT RING	ASTM A-276 Gr. 410
13	PACKING WASHER	ASTM A-276 Gr. 410
14	PACKING	GRAPHITE
15	PACKING	GRAPHITE
16	GLAND	ASTM A-276 Gr. 410
17	GLAND FLANGE	ASTM A-216 Gr. WCB
18	STEM NUT	ASTM A-439 Gr. D-2
19	SCREW	AISI 1035
20	LOCK NUT	ASTM A-194 Gr. 2H
21	WASHER	AISI 1035
22	SCREW	AISI 1035
23	HANDWHEEL	ASTM A-536 Gr. 65-45-12
24	IMPACT PLATE	ASTM A-216 Gr. WCB
25	APRON PLATE	CARBON STEEL
26	EYE NUT	ASTM A-194 Gr. 2H
27	EYE BOLT	ASTM A-193 Gr. B7
28	PIN	AISI 1045

DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)	
3318F-14	6"	DN150	6.00	17.50	23.19	21.02	17.72	12.50	10.62	8.50	1.46	0.06	12.00	0.87	141.00	3451.80
3318F-15	8"	DN200	8.00	22.00	26.26	23.86	21.65	15.00	13.00	10.62	1.61	0.06	12.00	1.00	255.00	6788.50
3318F-16	10"	DN250	10.00	24.50	29.61	26.65	23.62	17.50	15.25	12.75	1.89	0.06	16.00	1.12	390.00	10435.00

*WEIGHT IS ESTIMATED
 *ALL DIMENSIONS ARE EXPRESSED IN INCHES



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FIG. 3618F

GLOBE VALVE ANSI CLASS 600 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

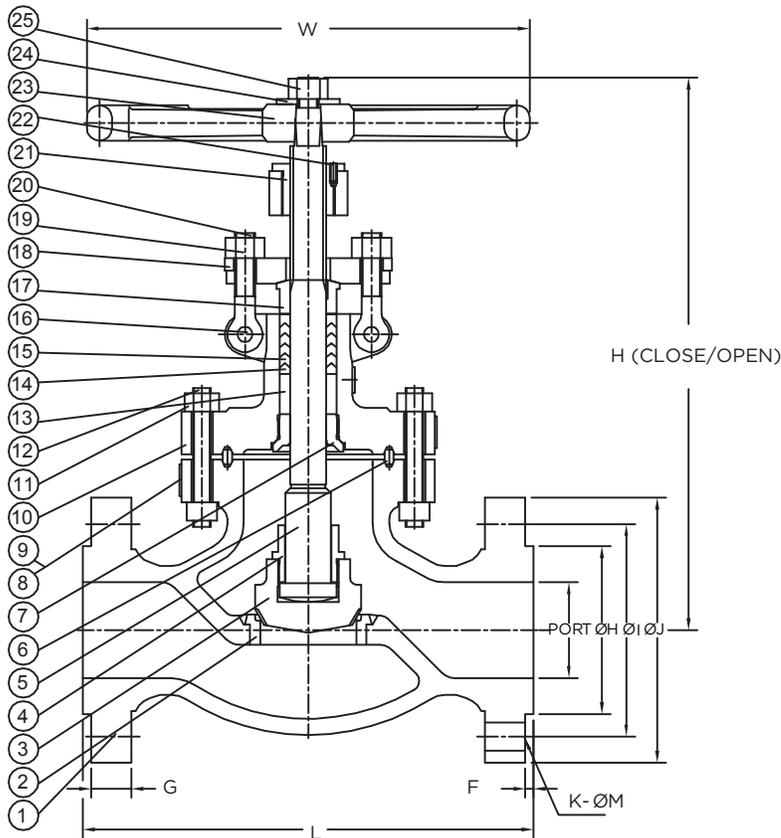
TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 1480 PSI
 SHELL TEST (WATER): 2220 PSIG
 BACK SEAT & SEAT TEST (WATER): 1628 PSIG
 AIR TEST: 87 PSIG

BODY MARK

LINE
 2
 600

 WCB



MATERIAL LIST

1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	GASKET	SS304+GRAPHITE
7	BACK SEAT RING	ASTM A-276 Gr. 410
8	NAMEPLATE	SS304
9	RIVET	SS304
10	BONNET	ASTM A-216 Gr. WCB
11	BONNET NUT	ASTM A-194 Gr. 2H
12	BONNET BOLT	ASTM A-193 Gr. B7
13	PACKING WASHER	ASTM A-276 Gr. 410
14	PACKING	GRAPHITE
15	PACKING	GRAPHITE
16	PIN	AISI 1045
17	GLAND	ASTM A-276 Gr. 410
18	GLAND FLANGE	ASTM A-216 Gr. WCB
19	EYE NUT	ASTM A-194 Gr. 2H
20	EYE BOLT	ASTM A-193 Gr. B7
21	STEM NUT	ASTM A-439 Gr. D-2
22	SCREW	AISI 1035
23	HANDWHEEL	ASTM A-536 Gr. 65-45-12
24	WASHER	AISI 1035
25	LOCK NUT	ASTM A-194 Gr. 2H

DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)	
3618F-09	2"	DN50	2.00	11.50	14.69	13.58	9.84	6.50	5.00	3.62	1.00	0.25	8.00	0.75	36.00	858.50
3618F-10	2 1/2"	DN65	2.50	13.00	17.64	16.38	11.81	7.50	5.87	4.13	1.14	0.25	8.00	0.88	47.00	1318.80
3618F-11	3"	DN80	3.00	14.00	18.39	17.20	13.78	8.25	6.62	5.00	1.25	0.25	8.00	0.88	63.00	2097.60

*WEIGHT IS ESTIMATED
 *ALL DIMENSIONS ARE EXPRESSED IN INCHES



FIG. 3618F

GLOBE VALVE ANSI CLASS 600 FLANGED END RF, CAST STEEL WCB



TECHNICAL SPECIFICATION

SHELL WALL THICKNESS: API 623
 VALVE DESIGN: API 623
 FLANGE DIMENSIONS: ANSI B16.5
 FACE TO FACE: ANSI B16.10
 UNIVERSAL TRIM 8

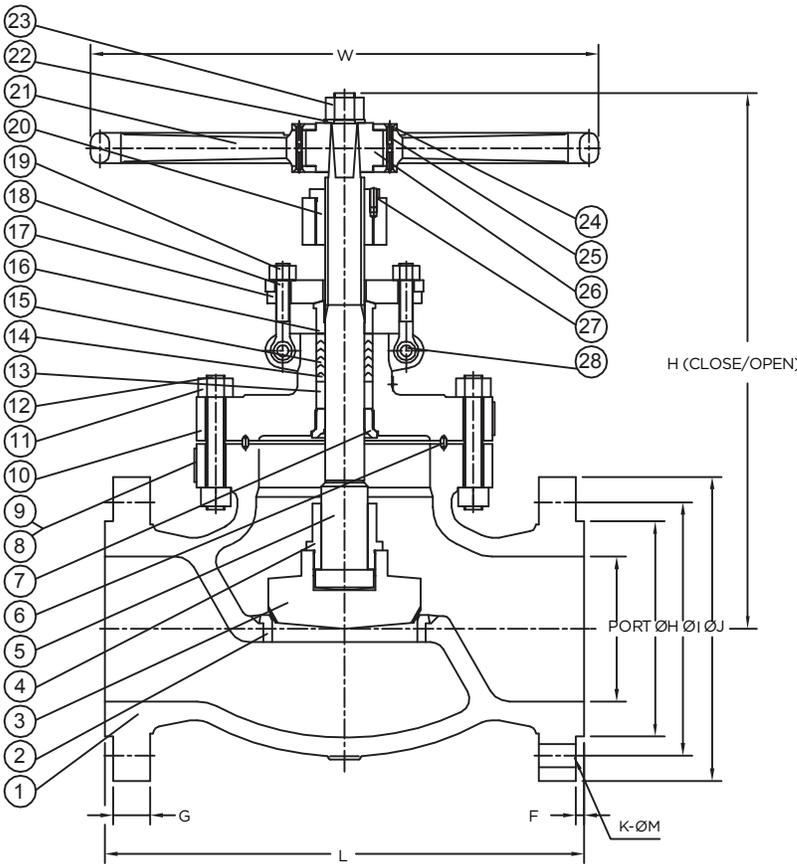
TEST SPECIFICATION

TEST ACCORDANCE TO PER API 598
 NOMINAL PRESSURE: 1480 PSI
 SHELL TEST (WATER): 2220 PSIG
 BACK SEAT & SEAT TEST (WATER): 1628 PSIG
 AIR TEST: 87 PSIG

BODY MARK

LINE
 2
 600

 WCB



MATERIAL LIST

NO.	DESCRIPTION	MATERIAL
1	BODY	ASTM A-216 Gr. WCB
2	SEAT RING	ASTM A-105+STL#6
3	DISC	ASTM A-105+13Cr
4	DISC NUT	ASTM A-276 Gr. 410
5	STEM	ASTM A-182 Gr. F6a
6	GASKET	SS304+GRAPHITE
7	BACK SEAT RING	ASTM A-276 Gr. 410
8	NAMEPLATE	SS304
9	RIVET	SS304
10	BONNET	ASTM A-216 Gr. WCB
11	BONNET NUT	ASTM A-194 Gr. 2H
12	BONNET BOLT	ASTM A-193 Gr. B7
13	PACKING WASHER	ASTM A-276 Gr. 410
14	PACKING	GRAPHITE
15	PACKING	GRAPHITE
16	GLAND	ASTM A-276 Gr. 410
17	GLAND FLANGE	ASTM A-216 Gr. WCB
18	EYE BOLT	ASTM A-193 Gr. B7
19	EYE NUT	ASTM A-194 Gr. 2H
20	STEM NUT	ASTM A-439 Gr. D-2
21	HANDWHEEL	ASTM A-536 Gr. 65-45-12
22	WASHER	AISI 1035
23	LOCK NUT	ASTM A-194 Gr. 2H
24	APRON PLATE	CARBON STEEL
25	SCREW	AISI 1035
26	IMPACT PLATE	ASTM A-216 Gr. WCB
27	SCREW	AISI 1035
28	PIN	AISI 1045

DIMENSIONS, WEIGHTS & TORQUE

MODEL	SIZE	PORT	L	H-OPEN	H-CLOSE	ØW	ØJ	ØI	ØH	G	F	K	ØM	WEIGHT (KG)	TORQUE (LBS-INCH)	
3618F-12	4"	DN100	4.00	17.00	21.69	20.31	17.72	10.75	8.50	6.19	1.50	0.25	8.00	1.00	110.50	4097.90
3618F-14	6"	DN150	6.00	22.00	27.87	25.75	23.62	14.00	11.50	8.50	1.89	0.25	12.00	1.12	260.00	10877.60
3618F-15	8"	DN200	8.00	26.00	31.61	29.09	27.56	16.50	13.75	10.63	2.20	0.25	12.00	1.25	455.00	13099.10

*WEIGHT IS ESTIMATED
 *ALL DIMENSIONS ARE EXPRESSED IN INCHES