

Sizes: 1 / 2" thru 4"
class: 150 thru 2500

FORGED STEEL
GATE VALVE

FORGED STEEL
GLOBE VALVE

FORGED STEEL
CHECK VALVE



Design construction:

API 602- BS 5352- NF M87.4 12

Testing according to API 598-BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Spiral-wound gasket retained type

Integral backseat

Socket weld Ends to ANSI B16.11

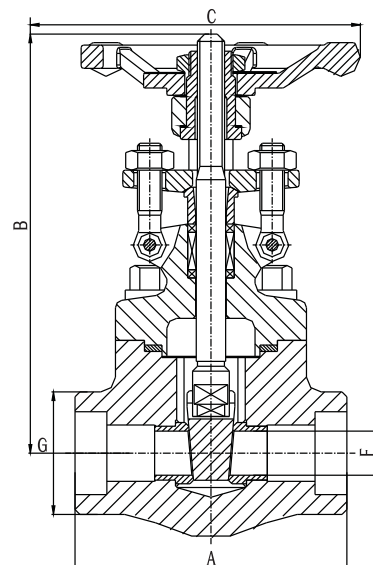
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ratings:

-carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

-carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C



For materials and testing pressure see technical data

CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	120	140
B(OPEN)	149	149	153	153	185	222	240	279
C	100	100	100	100	120	160	160	180
F	8	10	13	13	18	29	29	36.5
G	34	34	34	40	49	64	64	78
WEIGHT(kg)	1.9	1.9	2.0	2.2	3.6	6.2	6.2	9.7

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	120	140	160
B(OPEN)	153	185	222	240	279	333
C	100	120	160	160	180	200
F	13	18	24	29	36.8	48
G	40	49	58	64	78	82
WEIGHT(kg)	3.3	3.8	5.8	6.7	10.3	15.2

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	92	111	120	120	140	160
B(OPEN)	175	178	181	181	218	237	274	319
C	100	100	125	125	160	160	180	200
F	8	13	13	13	18	24	29	36.8
G	34	40	42	49	58	64	78	88
WEIGHT(kg)	3.0	3.2	3.5	4.0	6.0	7.0	10.8	15.5

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	120	140	160	210
B(OPEN)	181	218	237	274	319	345
C	125	160	160	180	200	200
F	13	18	24	29	36.8	48
G	49	58	64	78	88	88
WEIGHT(kg)	4.3	6.3	7.3	11.2	15.9	16.5

WELDED BONNET - Full and reduced bore

Design construction:

API 602-BS 5352- NF M87.4 12

Testing according to API 598-BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Body Bonnet weld to ASME IX

Socket weld Ends to ANSI B16.11

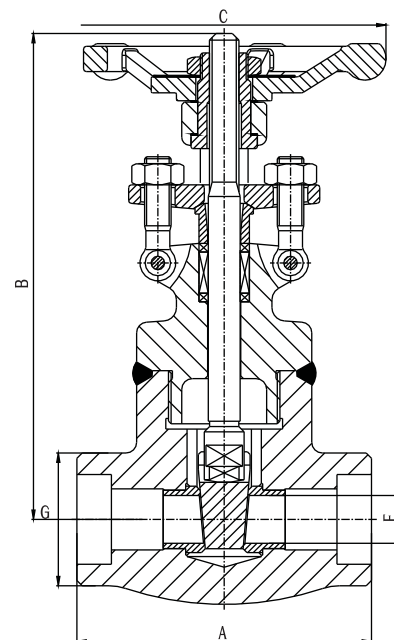
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

-carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C



For materials and testing pressure see technical data

CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	120	140
B(OPEN)	157	157	161	161	190	220	240	279
C	100	100	100	100	120	160	160	180
F	8	10	13	13	18	24	29	36.8
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	1.7	1.7	1.8	2.0	3.4	5.3	6.0	9.5

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	120	140	160
B(OPEN)	161	190	220	240	279	319
C	100	120	160	160	180	200
F	13	18	24	29	36.8	36.8
G	40	49	58	64	78	88
WEIGHT(kg)	3.2	3.7	5.7	6.6	10.2	15.1

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	92	111	120	120	140	160
B(OPEN)	175	175	181	181	218	237	274	319
C	100	100	125	125	160	160	180	200
F	8	13	13	13	18	24	29	36.8
G	34	40	42	49	58	64	78	88
WEIGHT(kg)	2.8	3.0	3.3	3.7	5.7	6.7	10.5	15.2

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	120	140	160	210
B(OPEN)	181	218	237	274	319	345
C	125	160	160	180	200	200
F	13	18	24	29	36.8	48
G	49	58	64	78	88	88
WEIGHT(kg)	4.2	6.2	7.2	11.1	15.8	16.4

GLOBE VALVES

CLASS 800-1500

Design construction:

BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Spiral-wound gasket retained type

Integral backseat

Loose solid disc

Socket weld Ends to ANSI B 16.11

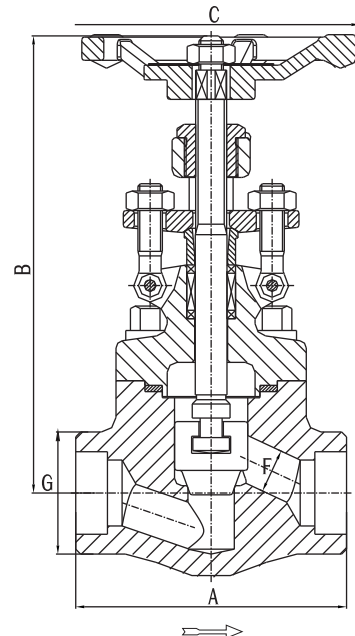
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.2

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar+ 38°C

- carbon steel class 1500 3705 psig @ 100°F
255 bar+ 38°C



For materials and testing pressure see technical data

CLASS 800LB

REDUCED BORE									FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	92	120	152	172	A	92	111	120	152	172	200
B(OPEN)	154	154	158	158	158	227	240	279	B(OPEN)	158	192	227	240	279	329
C	100	100	100	100	100	160	160	180	C	100	120	160	160	180	200
F	6.5	10	10	13	13	23	28.5	35	F	13	17.5	23	28.5	35	35
G	34	34	34	40	40	58	64	78	G	40	49	58	64	78	82
WEIGHT(kg)	2.1	2.1	2.0	2.2	2.2	5.5	7.0	11.5	WEIGHT(kg)	2.2	3.8	5.5	7.0	11.5	12.0

CLASS 1500LB

REDUCED BORE									FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	92	111	120	152	172	220	A	111	120	152	172	220	220
B(OPEN)	175	178	187	187	227	242	278	325	B(OPEN)	187	227	242	278	325	355
C	100	125	125	125	160	160	180	200	C	125	160	160	180	200	200
F	6.5	10	10	13	17.5	23	28.5	35	F	13	17.5	23	28.5	35	35
G	34	42	42	49	58	64	78	88	G	49	58	64	78	88	88
WEIGHT(kg)	3.0	3.5	3.5	4.0	6.3	8.0	12.5	19.5	WEIGHT(kg)	4.0	6.3	8.0	12.5	19.5	20.0

GLOBE VALVES

CLASS 800-1500

WELDED BONNET - Full and reduced bore

Design construction:

BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Body bonnet weld to ASME IX

Loose solid disc

Socket weld Ends to ANSI B16.11

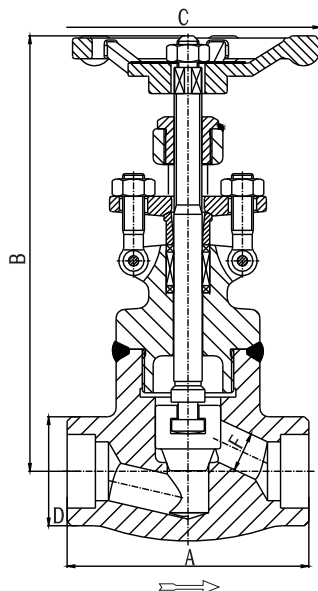
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

- carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C



For materials and testing pressure see technical data

CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	152	172
B(OPEN)	154	154	158	158	192	227	240	279
C	100	100	100	100	120	160	160	180
F	6.5	10	10	13	17.5	23	28.5	35
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	2.0	2.0	1.9	2.1	3.7	5.4	6.9	11.4

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	152	172	200
B(OPEN)	158	192	227	240	279	329
C	100	120	160	160	180	200
F	13	17.5	23	28.5	35	35
G	40	49	58	64	78	82
WEIGHT(kg)	2.1	3.7	5.4	6.9	11.4	11.9

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	111	120	152	172	220
B(OPEN)	158	158	187	187	227	242	278	325
C	100	100	125	125	160	160	180	200
F	10	13	10	13	17.5	23	28.5	35
G	34	40	42	49	58	64	78	88
WEIGHT(kg)	2.8	3.0	3.3	3.8	6.1	7.8	12.3	19.3

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	152	172	220	220
B(OPEN)	187	227	242	278	325	355
C	125	160	160	180	200	200
F	13	17.5	23	28.5	35	35
G	49	58	64	78	88	88
WEIGHT(kg)	3.9	6.2	7.9	12.4	19.4	19.9

Design construction:

BS 5352- ANSI B16.34

Testing according to API 598- BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Body bonnet weld to ASME IX

Loose solid disc

Ratings:

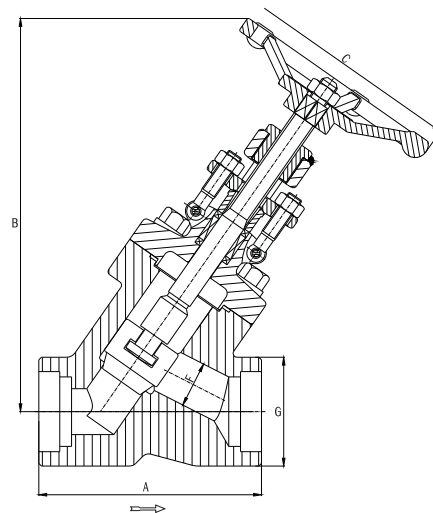
- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	140	140	170
B(OPEN)	240	240	290	302	368	368
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	5.0	4.6	7.6	9.8	13.7	14.0

Design construction:

BS 5352- ANSI B16.34

Testing according to API 598- BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Body bonnet weld to ASME IX

Loose solid disc

Ratings:

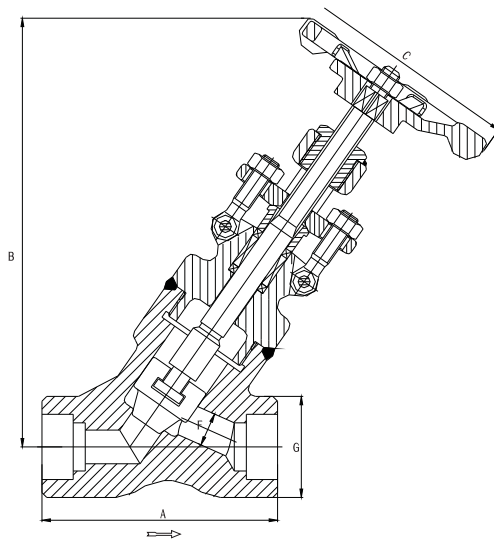
- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25 ata

For materials and testing pressure see technical d



CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	140	140	170
B(OPEN)	170	170	195	225	235	278
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	4	3.6	6.6	8.5	11.3	12.5

CHECK VALVES

CLASS 800-1500
BOLTED BONNET - Full and reduced bore

Design construction:

BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Spring only on request

Spiral-wound gasket retained type

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

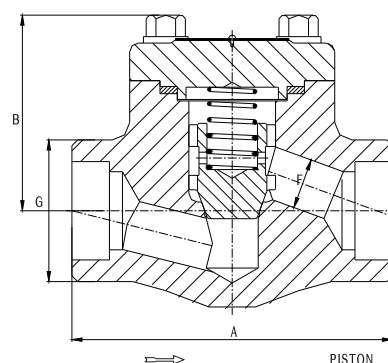
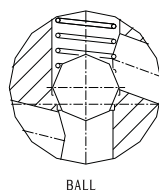
- carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	152	172
B	54.5	54.5	54.5	54.5	72	81	94	112
F	6.5	10	10	13	17.5	23	28.5	35
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	1.5	1.5	1.4	1.9	2.6	4.2	5.3	9.0

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	152	172	200
B	54.5	72	81	94	112	132
F	13	17.5	23	28.5	35	35
G	40	49	58	64	78	88
WEIGHT(kg)	1.9	2.6	4.2	5.3	9.0	15.6

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	92	111	120	152	172	220
B	73	73	73	73	84	97	115	132
F	6.5	10	10	13	17.5	23	28.5	35
G	34	34	42	49	58	64	78	88
WEIGHT(kg)	2.2	2.2	2.4	2.9	4.6	6.5	10.5	15.5

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	152	172	220	200
B	73	84	97	115	132	132
F	13	17.5	23	28.5	35	35
G	49	58	64	78	88	88
WEIGHT(kg)	2.9	4.6	6.5	10.5	15.6	17.0

SWING CHECK VALVES

Design construction:

BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Spring only on request

Spiral-wound gasket retained type

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

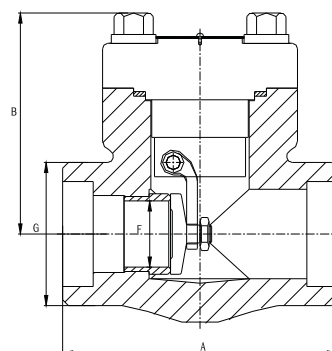
- carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	120	140
B	54.5	54.5	54.5	54.5	72	81	94	112
F	8	10	13	13	18	24	29	36.8
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	1.3	1.3	1.2	1.7	2.4	4.0	5.1	8.8

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	120	140	160
B	54.5	72	81	94	112	132
F	13	18	24	29	36.8	48
G	40	49	58	64	78	78
WEIGHT(kg)	1.7	2.3	3.9	5.0	8.7	15.3

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	92	111	120	120	140	160
B	73	73	73	73	84	97	115	132
F	6.5	10	13	13	18	24	29	36.8
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	2.2	2.0	2.2	2.7	4.4	6.3	10.3	15.3

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	120	140	160	160
B	73	84	97	115	132	132
F	13	18	24	29	36.8	48
G	40	49	58	64	78	88
WEIGHT(kg)	2.7	4.3	6.2	10.2	15.3	16.7

CHECK VALVES

CLASS 800-1500

WELDED BONNET - Full and reduced bore

Design construction:

BS 5352-ANSI B16.34-NF M87.412

Testing according to API 598- BS 6755

Marking MSS SP25

Socket weld Ends to ANSI B 16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Spring only on request

Body bonnet weld to ASME IX

Ratings:

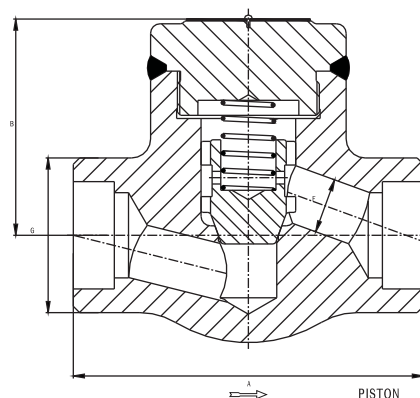
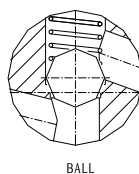
-carbon steel class 800 1975 psig @ 100°F

138 bar + 38°C

-carbon steel class 1500 3705 psig @ 100°F

255 bar + 38°C

For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	79	92	111	120	152	172
B	54.5	54.5	54.5	54.5	72	81	94	112
F	6.5	10	10	13	17.5	23	28.5	35
G	34	34	34	40	49	58	64	78
WEIGHT(kg)	1.4	1.4	1.3	1.8	2.6	4.2	5.3	9.0

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	92	111	120	152	172	200
B	54.5	72	81	94	112	132
F	13	17.5	23	28.5	35	48
G	40	49	58	64	78	82
WEIGHT(kg)	1.9	2.6	4.2	5.3	9.0	15.6

CLASS 1500LB

REDUCED BORE

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	79	92	111	120	152	172	220
B	73	73	73	73	84	97	115	132
F	6.5	10	10	13	17.5	23	28.5	35
G	34	34	42	49	58	64	78	88
WEIGHT(kg)	2.2	2.2	2.4	2.9	4.6	6.5	10.5	15.5

FULL BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	111	120	152	172	220	210
B	73	84	97	115	132	132
F	13	17.5	23	28.5	35	35
G	49	58	64	78	88	88
WEIGHT(kg)	2.9	4.6	6.5	10.5	15.6	17.0

CHECK VALVES

BOLTED BONNET - Reduced Bore (Y type)

Design construction:

ANSI B16.34- BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Body bonnet weld to ASME IX

Spring only request

Socket weld Ends to ANSI B16.11

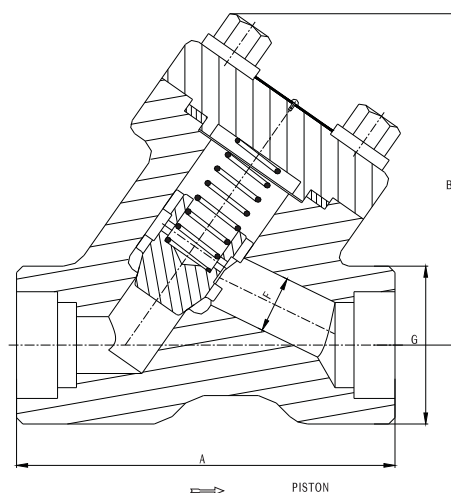
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	130	140	170
B	84	84	102	114	114	145
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	3.2	4.0	6.8	8.8	9.9	11.1

CHECK VALVES

CLASS 800

WELDED BONNET - Reduced Bore (Y type)

Design construction:

ANSI B16.34- BS 5352- NF M87.4 12

Testing according to API 598- BS 6755

Marking MSS SP25

Body bonnet weld to ASME IX

Spring only request

Socket weld Ends to ANSI B16.11

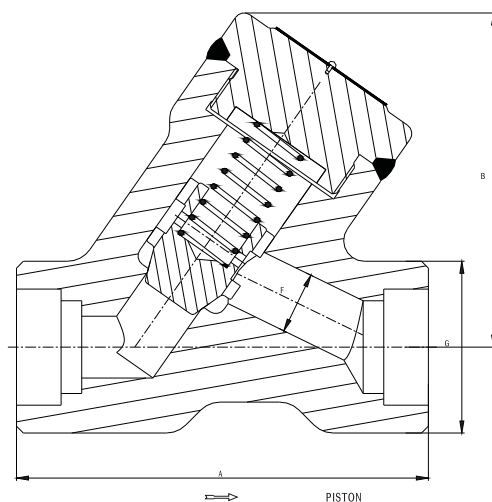
Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ratings:

- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C

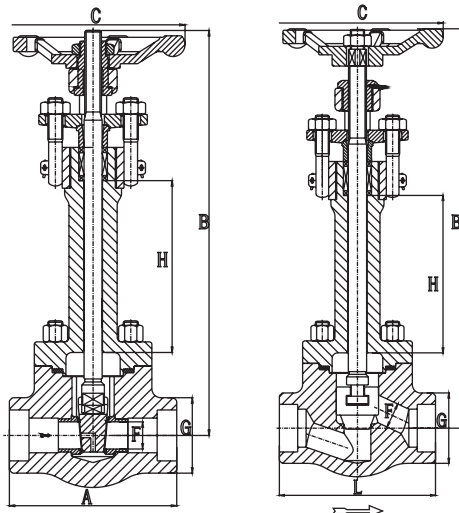
For materials and testing pressure see technical data



CLASS 800LB

REDUCED BORE

DN	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	130	140	170
B	84	84	102	114	114	145
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	2.9	3.7	6.5	8.5	9.6	10.8



Applicable standards and specifications: BS 5352-BS 6364

GATE VALVE

CLASS 800LB

REDUCED BORE

196°							101°							46°						
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	120	140	A	79	92	111	120	120	140	A	79	92	111	120	120	140
B(OPEN)	300	300	335	400	415	445	B(OPEN)	280	280	305	370	385	405	B(OPEN)	270	270	285	350	365	385
C	100	100	120	160	160	180	C	100	100	120	160	160	180	C	100	100	120	160	160	180
F	13	13	18	24	29	36.8	F	13	13	18	24	29	36.8	F	13	13	18	24	29	36.8
G	34	40	49	58	64	78	G	34	40	49	58	64	78	G	34	40	49	58	64	78
H	140	140	160	170	170	180	H	120	120	130	140	140	140	H	110	110	110	120	120	120
WEIGHT(kg)	7.1	9.4	13.5	15.0	17.8	28.0	WEIGHT(kg)	6.8	9.1	13.2	14.7	17.5	27.7	WEIGHT(kg)	6.5	8.8	12.9	14.4	17.2	27.4

GLOBE VALVE

CLASS 800LB

REDUCED BORE

196°							101°							46°						
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	152	172	A	79	92	111	120	152	172	A	79	92	111	120	152	172
B(OPEN)	310	310	345	405	420	445	B(OPEN)	290	290	315	375	390	405	B(OPEN)	280	280	295	355	370	385
C	100	100	120	160	160	180	C	100	100	120	160	160	180	C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35	F	10	13	17.5	23	28.5	35	F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78	G	34	40	49	58	64	78	G	34	40	49	58	64	78
H	140	140	160	170	170	180	H	120	120	120	140	140	140	H	110	110	110	120	120	120
WEIGHT(kg)	7.2	7.2	13.5	17.0	19.8	29	WEIGHT(kg)	7.0	9.3	9.3	16.8	19.6	28.8	WEIGHT(kg)	6.8	9.1	13.1	16.6	19.4	28.6

INTEGRAL FLANGED VALVES

CLASS 150-300-600

BOLTED BONNET - Reduced bore

Applicable standards and specifications: API 602-BS 5352

Face to face according to ANSI B16.10

Flanges according to ANSI B16.5

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Spiral-wound gasket retained type

Integral backseat

Integral body flanges

GATE VALVE

CLASS 150LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	108	117	127	140	165	178
B(OPEN)	153	153	185	222	240	279
C	100	100	120	160	160	180
F	13	13	18	24	29	36.8
WEIGHT(kg)	3.0	3.5	5.5	6.8	10.4	14.4

CLASS 300LB

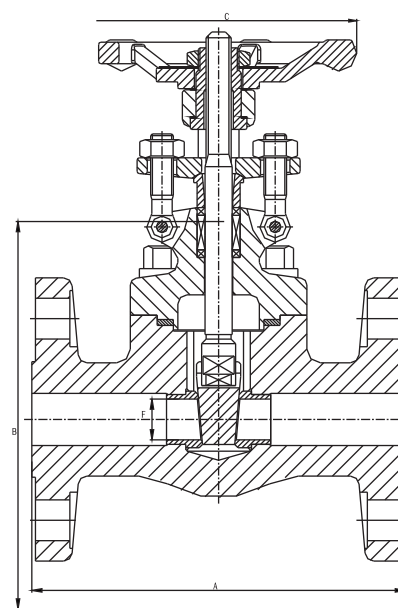
REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	140	152	165	178	190	216
B(OPEN)	153	153	185	222	240	279
C	100	100	120	160	160	180
F	13	13	18	24	29	36.8
WEIGHT(kg)	3.6	4.9	7.0	9.4	13.3	18.0

CLASS 600LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	165	190	216	229	241	292
B(OPEN)	153	153	185	222	240	279
C	100	100	120	160	160	100
F	13	13	18	24	29	36.8
WEIGHT(kg)	4.2	5.8	8.8	12.1	15.6	19.5



INTEGRAL FLANGED VALVES

For GLOBE VALVES only
Loosed disc on stem
Disc must be needle or parabolic type on request
Needle valves may have an integral disc/stem on request

Ratings standard class:
-carbon steel class 150 285 psig @ 100°F
20 bar + 38°C
-carbon steel class 300 740 psig @ 100°F
51 bar + 38°C
- carbon steel class 600 1480 psig @ 100°F
102 bar + 38°C



GLOBE VALVE

CLASS 150LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	108	117	127	140	165	203
B(OPEN)	153	158	192	227	240	279
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	4.5	6.9	9.8	13.5	19.5	28.0

CLASS 300LB

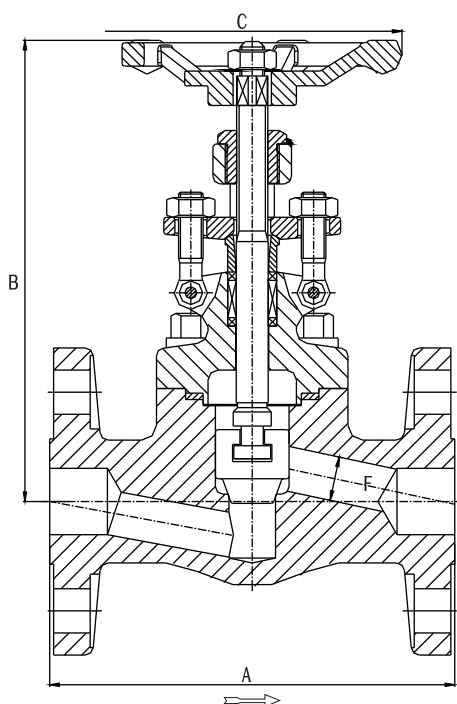
REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	152	178	203	216	229	267
B(OPEN)	158	158	192	227	240	279
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	4.8	7.7	11.0	16.8	21.2	32.6

CLASS 600LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	165	190	216	229	241	292
B(OPEN)	158	158	192	227	240	279
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	5.6	7.8	12.5	17.0	23.5	38.8



For CHECK VALVES only
Spring only on repeat
Ball and piston type valves with full guided disc

CHECK VALVE

CLASS 150LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	108	117	127	140	165	203
B(OPEN)	54.5	54.5	72	81	91	112
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	3.4	4.4	8.2	8.9	12.0	14.3

CLASS 300LB

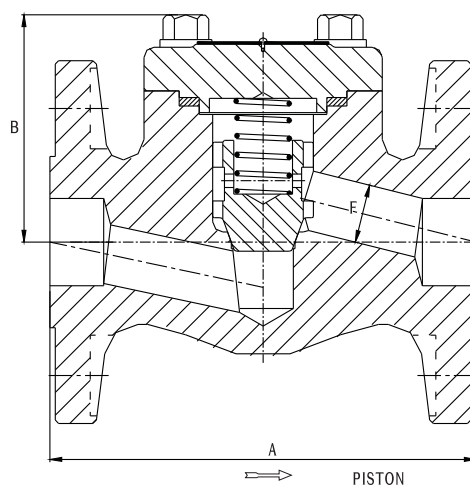
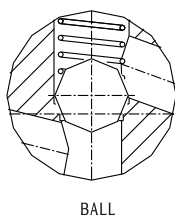
REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	152	178	216	229	241	267
B(OPEN)	54.5	54.5	72	81	94	112
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	3.7	4.8	8.8	9.6	13.7	17.8

CLASS 600LB

REDUCED BORE

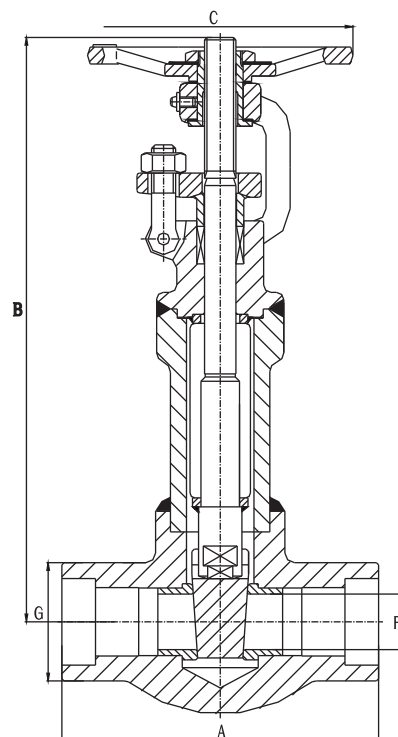
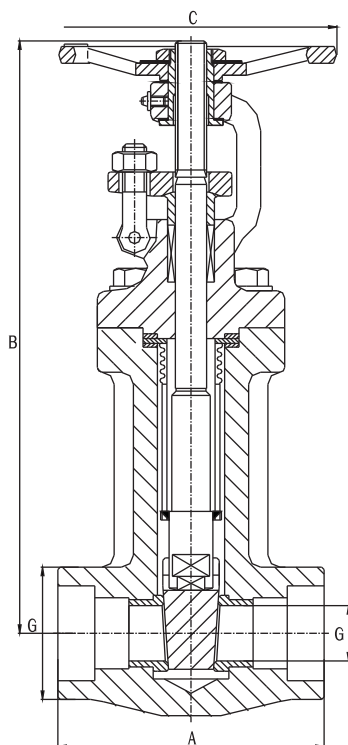
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	165	190	216	229	241	292
B(OPEN)	54.5	54.5	72	81	94	112
F	10	13	17.5	23	28.5	35
WEIGHT(kg)	4.0	5.8	9.5	10.4	15.6	24.5



BELLOWS SEALED VALVES

CLASS 800

GATE and GLOBE Type - BOLTED/WELDED BONNET - reduced bore



Applicable standards specifications:
BS 5352 ANSI B16.34

Outsided Screw and YoKe(OS&Y)
Self aligning packing gland in two parts
Spiral wound gasket retained type
Integral Backseat
grease nipple for stem



GATE VALVE

CLASS 800LB

REDUCED BORE

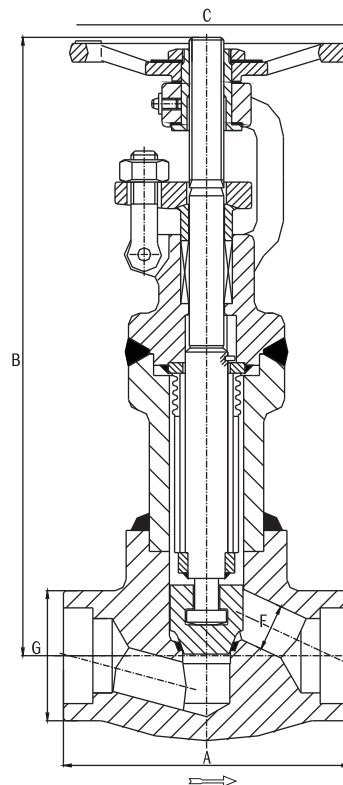
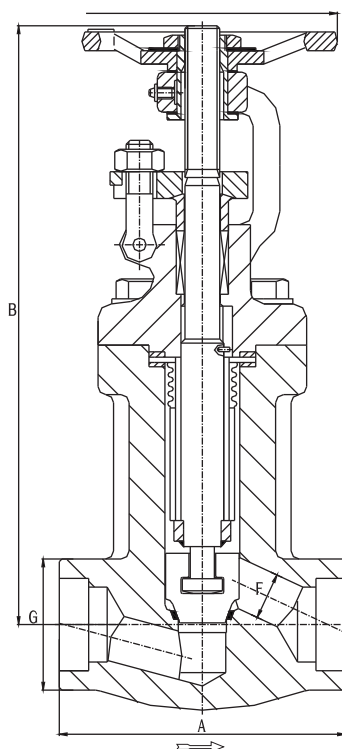
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	120	140
B(OPEN)	263	258	308	350	406	472
C	100	100	120	160	160	180
F	13	13	18	24	29	36.8
G	34	40	49	58	64	78
WEIGHT(kg)	2.9	3.2	5.9	8.7	10.2	16.0

CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	120	140
B(OPEN)	263	277	332	370	433	514
C	100	100	120	160	160	180
F	13	13	18	24	29	36.8
G	34	40	49	58	64	78
WEIGHT(kg)	2.9	3.3	5.2	7.2	8.9	13.5

BELLOWS SEALED VALVES



Socket weld Ends to ANSI B16.11
Screwed Ends (NPT) to ANSI B1.20.1
Butt Welding Ends to ANSI B.16.25
Face to face according to CZTV standard

Ratings:
-carbon steel class 800 1975 psig @ 100°F
140 bar + 38°C



GLOBE VALVE

CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	152	172
B(OPEN)	209	209	232	300	300	321
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	3.0	4.8	7.98	11.0	16.8	25.2

CLASS 800LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	79	92	111	120	152	172
B(OPEN)	220	220	244	321	321	347
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	2.8	4.0	7.0	9.6	13.5	20.2

EXTENDED BODY VALVES

CLASS 800-1500

BOLTED BONNET/WELDED BONNET Reduced bore

Ratings:

- carbon steel class 800 1975psig@ 100°F
138 bar+38°C
- carbon steel class 1500 3705psig@ 100°F
255 bar+38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

For materials and testing pressure see technical data

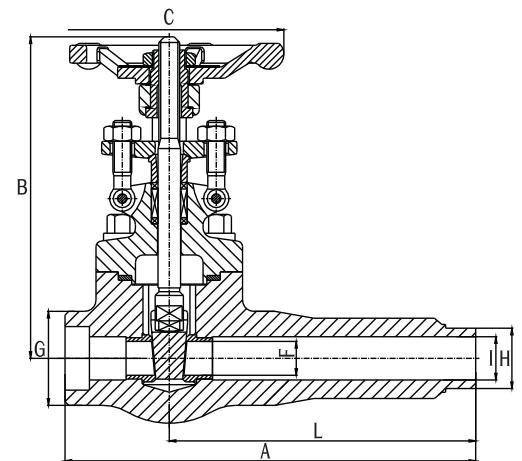


GATE VALVE

CLASS 800LB

REDUCED BORE

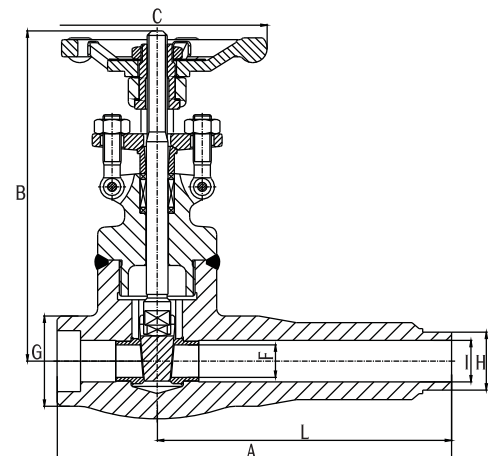
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	141.5	146.5	166	187	190.5	216
B(OPEN)	153	153	185	220	240	279
C	100	100	120	160	160	180
F	10	13	18	24	29	36.8
G	34	40	49	58	64	78
H	21.3	26.7	33.4	48.2	48.3	60.3
I	15	18	23	29	34.5	43
L	102	100.5	110.5	127	130.5	146
WEIGHT(kg)	2.9	3.4	5.5	7.8	8.3	13.4



CLASS 1500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	2"
A	146.5	166	187	190.5	216
B(OPEN)	153	185	220	240	279
C	100	120	160	160	180
F	13	18	24	29	36.8
G	40	49	58	64	78
H	21.3	26.7	48.2	33.4	48.3
I	15	18	29	23	34.5
L	100.5	110.5	127	130.5	146
WEIGHT(kg)	3.6	5.7	8.0	8.6	13.7



PRESSURE SEAL VALVES

CLASS 1500-2500

GATE AND GLOBE Reduced bore

Design construction:

BS 5352-ANSI B16.34

Testing according to API 598-BS 6755

Marking MSS SP25

Outside Screw and Yoke(OS&Y)

Self aligning packing gland in two parts

Integral backseat

Body bonnet weld to ASME IX

-carbon steel class 1500 3705 psig @ 100°F

255 bar + 38°C

-carbon steel class 2500 6170 psig @ 100°F

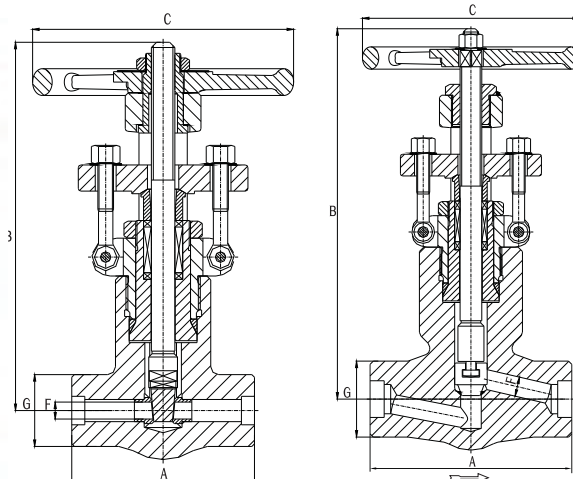
425 bar + 38°C

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

For materials and testing pressure see technical data



GATE VALVE

CLASS 1500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	140	140	140	178	178	216
B(OPEN)	321	321	321	380	414	502
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	11.5	10.8	10.5	19.6	21.0	55.4

GLOBE VALVE

CLASS 1500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	140	140	140	178	178	216
B(OPEN)	333	333	333	408	408	524
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	11.2	10.5	10.1	21.0	19.6	40.4

GATE VALVE

CLASS 2500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	186	186	186	232	232	279
B(OPEN)	321	321	321	380	414	502
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	12.3	11.6	10.8	26.0	28.4	60.0

GLOBE VALVE

CLASS 2500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	186	186	186	232	232	279
B(OPEN)	333	333	333	408	408	524
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	12.3	11.6	10.8	28.0	26.4	43.8

PRESSURE SEAL VALVES

Design construction:
BS 5352-ANSI B 16.34
Testing according to API 598-BS 6755
Marking MSS SP25

-carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C
-carbon steel class 2500 6170 psig @ 100°F
425 bar + 38°C

Socket weld Ends to ANSI B 16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B. 16.25

For materials and testing pressure see technical data

Outside Screw and Yoke(OS&Y)
Self aligning packing gland in two parts
Integral backseat
Body bonnet weld to ASME IX

GHECK VALVE

CLASS 1500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	140	140	140	178	178	216
B(OPEN)	117.5	117.5	117.5	149	149	195
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	6.5	7.0	7.5	9.5	10.5	14.0

CLASS 2500LB

REDUCED BORE

SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	186	186	186	232	232	279
B(OPEN)	117.5	117.5	117.5	149	149	195
C	200	200	200	300	300	300
F	13	13	18	24	29	36.8
G	55	55	55	85	85	100
WEIGHT(kg)	7.0	7.5	9.5	10.5	14.0	19.0

