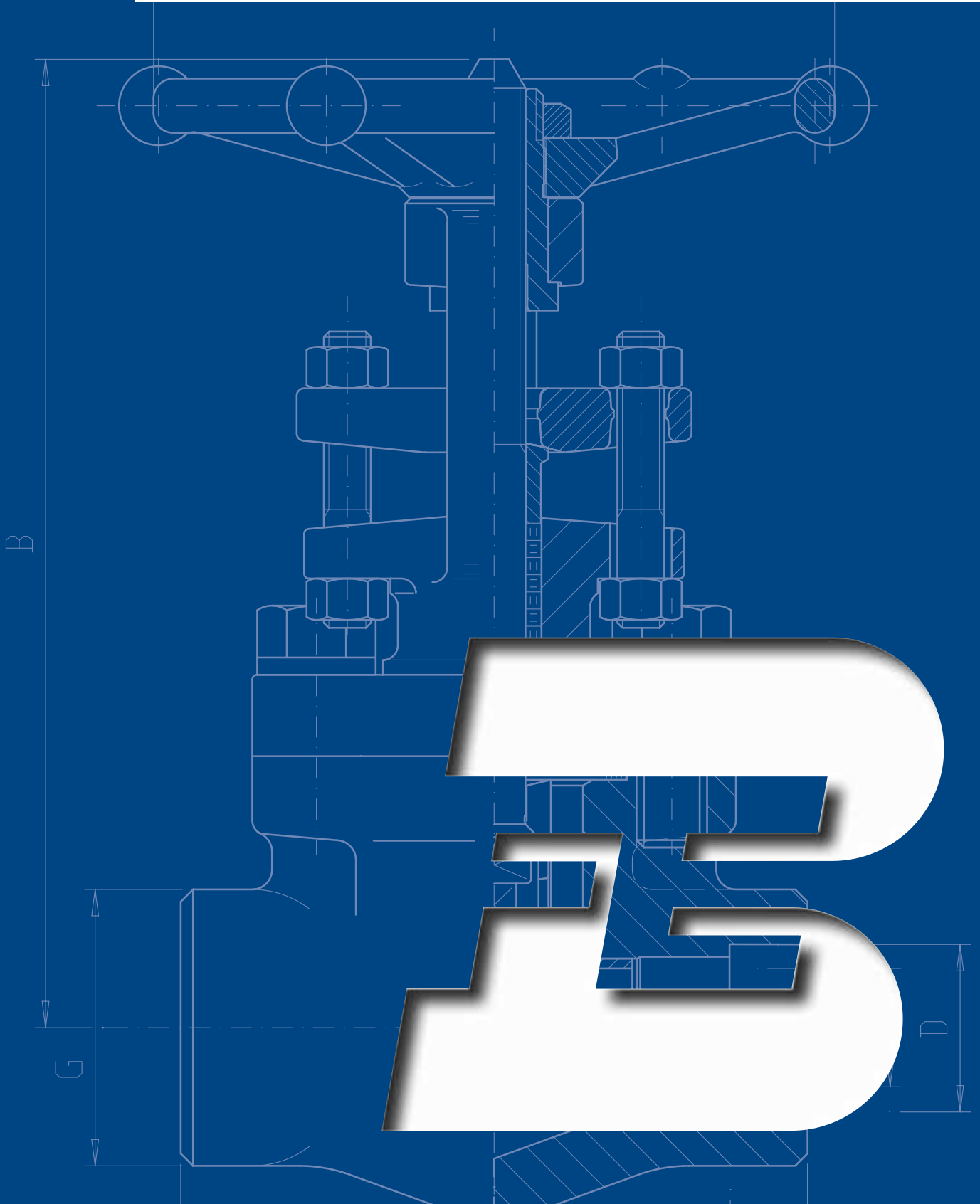


GATE VALVES



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GATE VALVES

BOLTED BONNET

CLASS	FIGURE
800 FB	H 100
800 RB	HL 100
1500 FB	9H 100
1500 RB	9HL 100
1500 FB	H9R 100
2500 FB	25HR 100

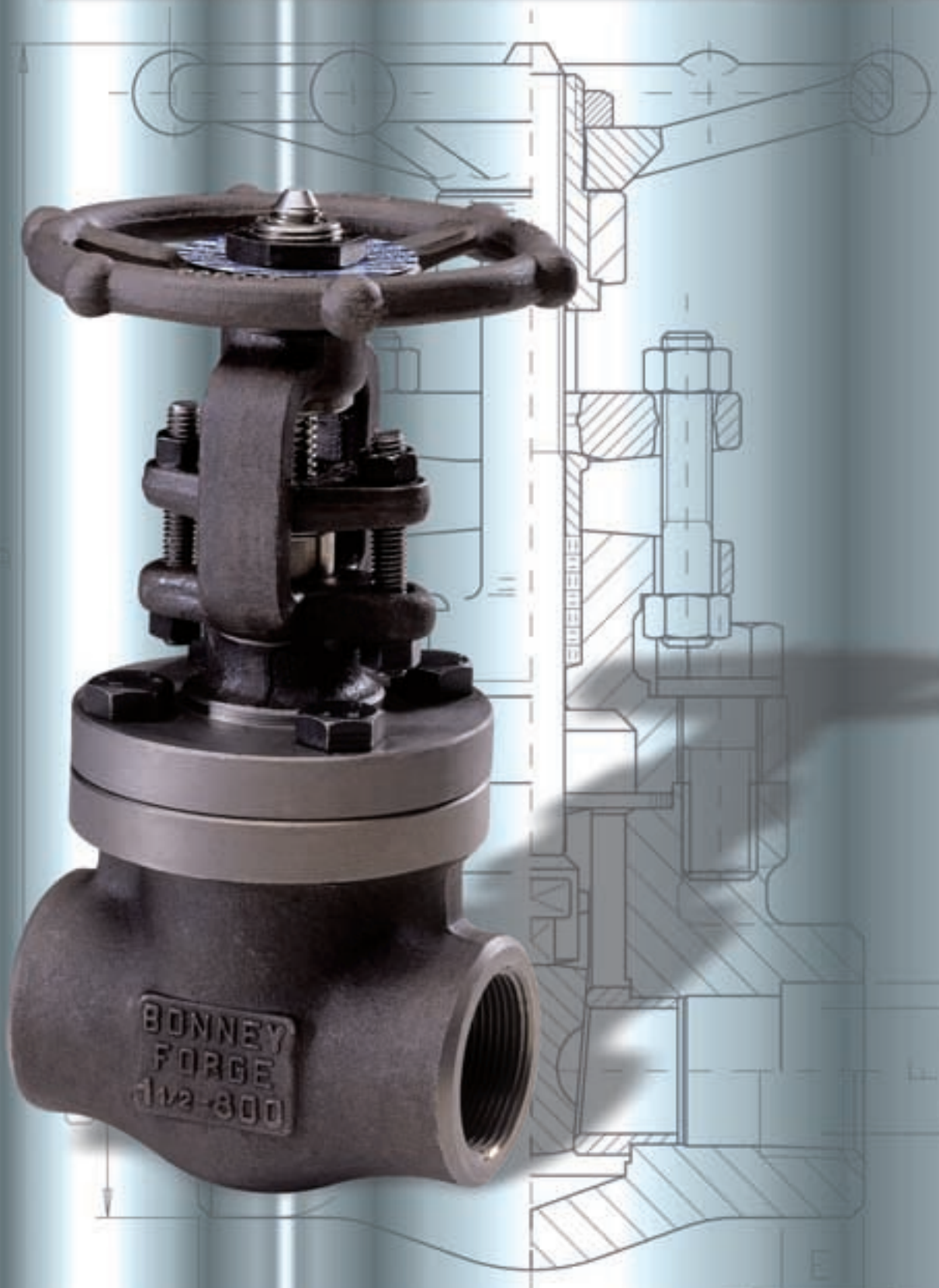
WELDED BONNET

CLASS	FIGURE
800 FB	W 100
800 RB	WL 100
1500 FB	9W 100
1500 RB	9WL 100
2500 FB	25W 100
4500 FB	45W 100

GATE VALVES

CLASS 800-1500

BOLTED BONNET - Full and reduced bore



Design construction:
 API 602 - BS 5352 - NF M87.412
 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 special execution see special features
 For materials and testing pressure see technical data

CLASS 800

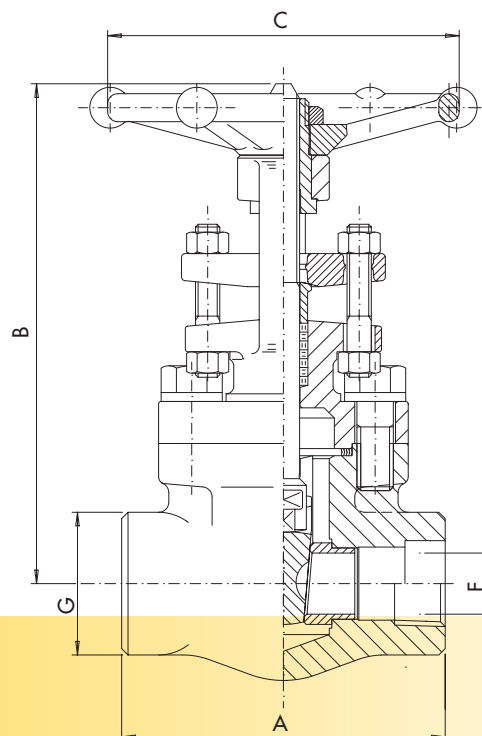
FULL BORE - Type H 100									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A		80	80	90	110	127	127	134	152
B open		152	152	158	196	225	255	290	358
C		88	88	88	97	138	138	138	172
F		8	9,6	14	18	24	30	36,6	48
G		32	32	38	48	56	64	78	85
WEIGHT kg ≅		2,1	2,1	2,3	3,7	5,9	7,4	8,3	12,5
FIGURE		H 101	H 102	H 103	H 104	H 105	H 106	H 107	H 108
PACKING		BH2	BH2	BH2	BH4	BH5	BH6/A	BY5/A	BH8
GASKET		G2	G2	G2	G3	G4	G6	G7	G9

REDUCED BORE - Type HL 100						
SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A		80	90	110	127	134
B open		152	158	196	255	290
C		88	88	97	138	138
F		9,6	14	18	30	36,6
G		32	38	48	64	78
WEIGHT kg ≅		1,9	2,3	3,6	7,3	7,6
FIGURE		HL 103	HL 104	HL 105	HL 107	HL 108
PACKING		BH2	BH2	BH4	BH6/A	BY5/A
GASKET		G2	G2	G3	G6	G7

CLASS 1500

FULL BORE - Type 9H 100									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A		90	90	110	127	127	127	127	210
B open		153	153	190	220	250	282	290	345
C		88	88	97	138	138	138	138	172
F		8	9,6	14	18	24	30	36,6	48
G		38	38	48	56	64	78	78	85
WEIGHT kg ≅		2,4	2,4	4,1	6,2	8	10,5	11	20
FIGURE		9H 101	9H 102	9H 103	9H 104	9H 105	9H 106	9H 107	9H 108
PACKING		BH3	BH3	BH5	BH6/A	2B4/A	BY7	2B5	9B8/A
GASKET		G1	G1	G2	G3	G4	G5	G7	G8

REDUCED BORE - Type 9HL 100						
SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A		90	110	127	127	210
B open		152	190	220	282	345
C		88	97	138	138	138
F		9,6	14	18	30	36,6
G		38	48	56	78	85
WEIGHT kg ≅		2,4	3,9	6,1	10,8	20,5
FIGURE		9HL 103	9HL 104	9HL 105	9HL 107	9HL 108
PACKING		BH3	BH5	BH6/A	2B5	BH8
GASKET		G1	G2	G3	G5	G7



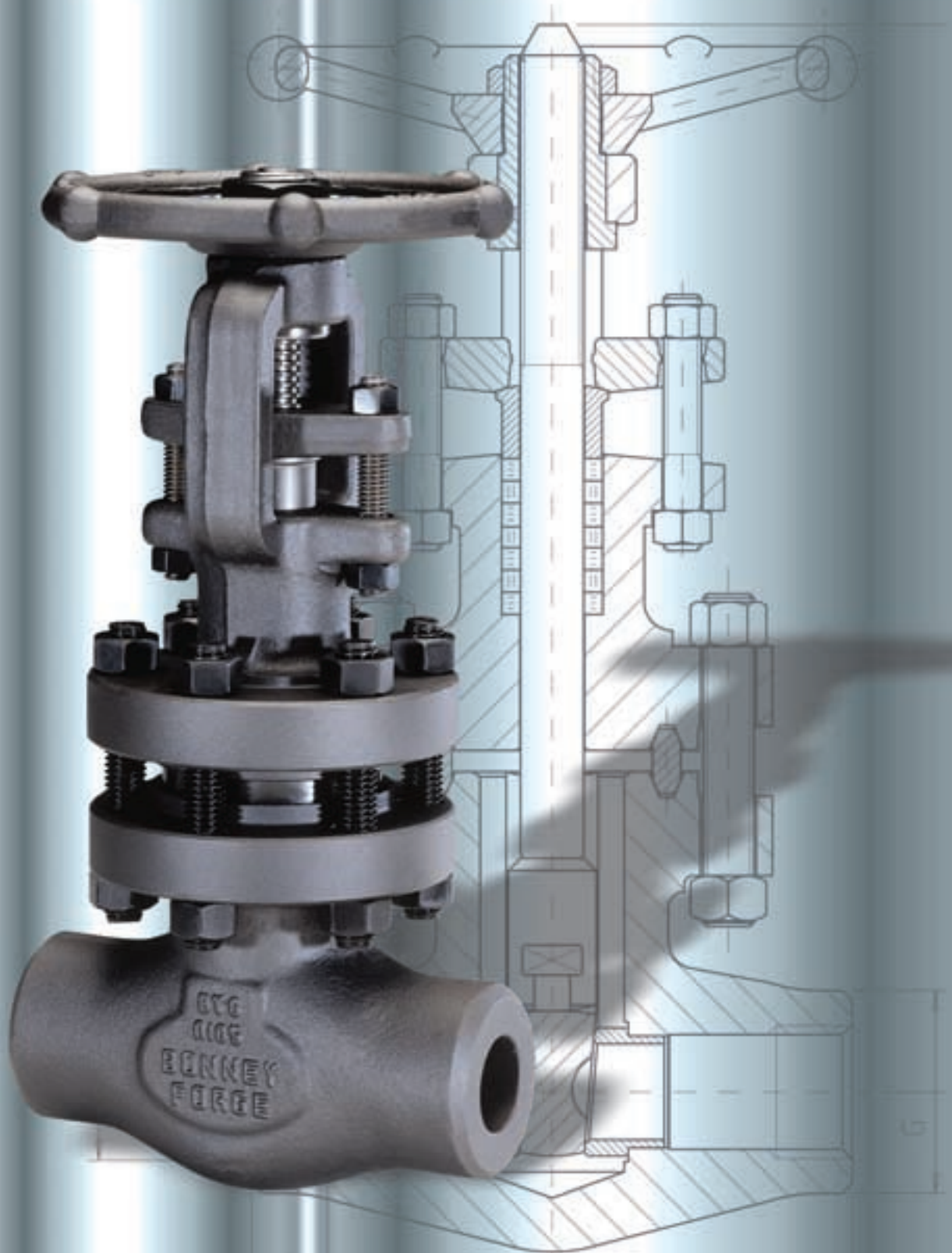
GATE VALVES



GATE VALVES

CLASS 1500-2500

BOLTED BONNET - Full bore



Design construction: BS 5352
ANSI B16.34 - NF M87.412

Outside Screw and Yoke (OS&Y)
Self aligning packing gland in two parts
Integral backseat
Oval ring joint gasket

Socket weld Ends to ANSI B16.11
Screwed Ends (NPT) to ANSI B1.20.1
Butt Welding Ends to ANSI B.16.25

For special execution see special features
For materials and testing pressure see technical data

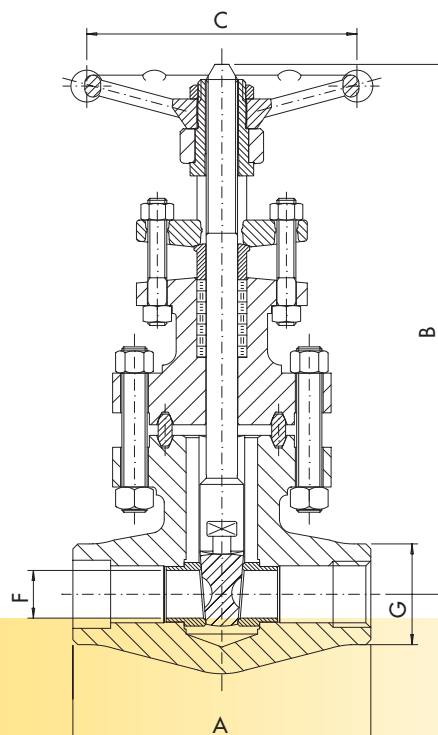
Ratings standard class:
- carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C
- carbon steel class 2500 6170 psig @ 100°F
425 bar + 38°C

CLASS 1500

FULL BORE - Type H9R 100							
SIZE	inch	1/2	3/4	1	1.1/4	1.1/2	2
	mm	15	20	25	32	40	50
A		110	150	150	210	210	230
B open		233	289	293	357	366	451
C		138	138	138	172	172	234
F		14	18	24	29,5	36,6	48
G		38	55	55	75	75	92
WEIGHT kg ≅		5	9,2	9,2	20	20	36
FIGURE		H9R 103	H9R 104	H9R 105	H9R 106	H9R 107	H9R 108
PACKING		2B3	2B4/A	2B4/A	2B5	2B5	2B8
GASKET		R12	R17	R17	R20	R20	R24

CLASS 2500

FULL BORE - Type 25HR 100							
SIZE	inch	1/2	3/4	1	1.1/2	2	
	mm	15	20	25	40	50	
A		150	150	210	230	230	
B open		282	287	348	406	437	
C		138	138	172	234	234	
F		11,5	15	19,5	28	35	
G		55	55	75	92	92	
WEIGHT kg ≅		10	10	22	37	36	
FIGURE		25HR 103	25HR 104	25HR 105	25HR 107	25HR 108	
PACKING		2B4/A	2B4/A	BH8	9B8/A	25B8	
GASKET		R16	R16	R17	R20	R22	



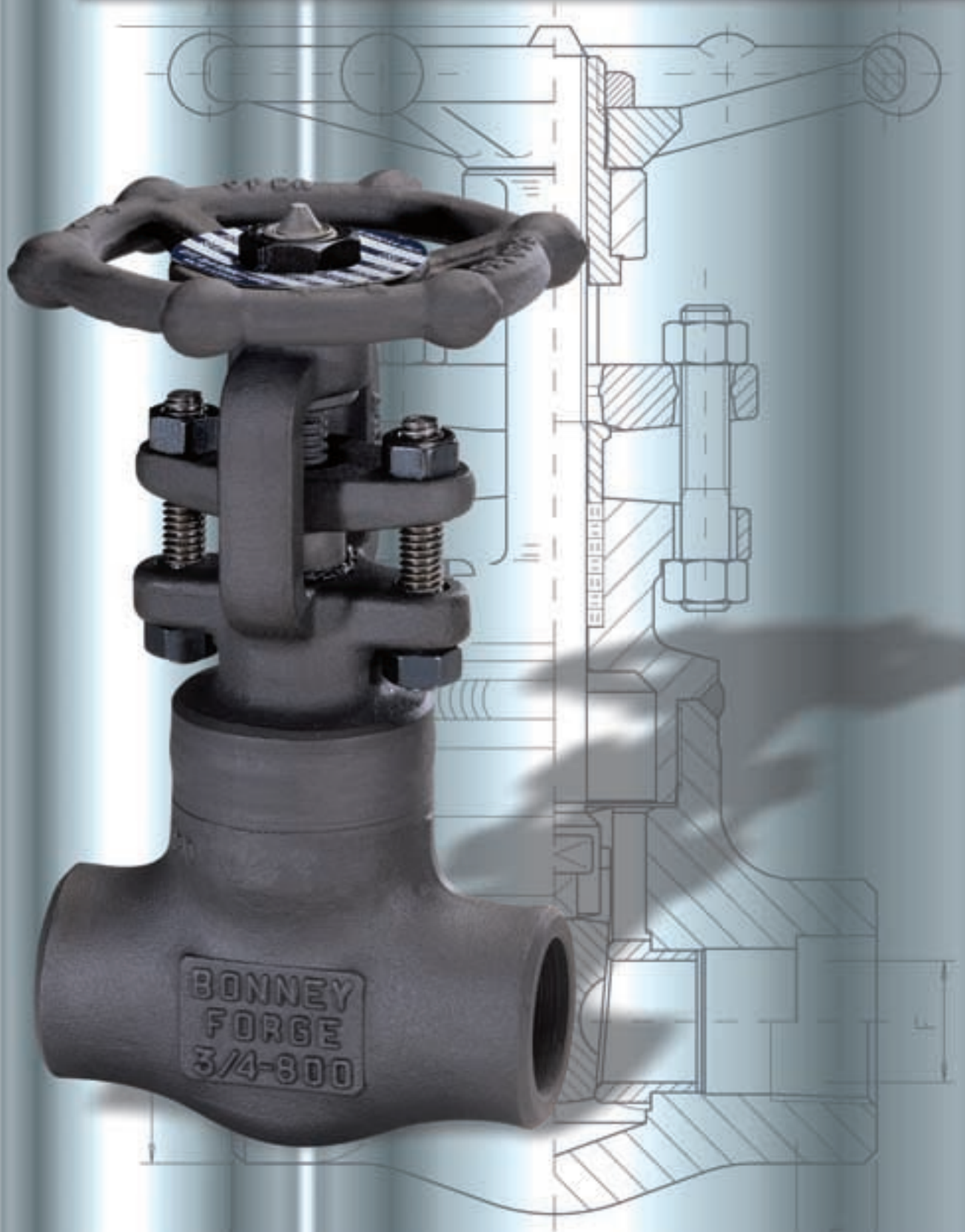
GATE VALVES



GATE VALVES

CLASS 800-1500

WELDED BONNET - Full and reduced bore



Design construction:
 API 602 - BS 5352 - NF M87.412
 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 special execution see special features
 For materials and testing pressure see technical data

CLASS 800

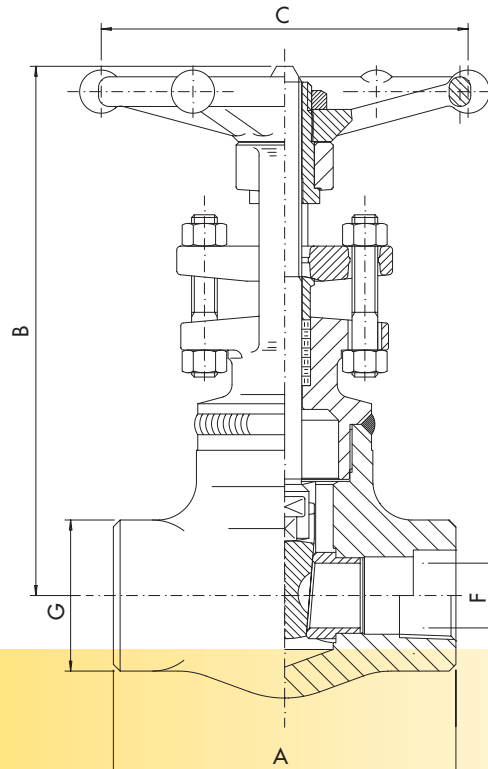
FULL BORE - Type W 100									
SIZE	inch mm	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
A		80	80	90	110	127	127	127	210
B open		152	152	158	196	225	255	290	358
C		88	88	88	97	138	138	138	172
F		8	9,6	14	18	24	30	36,6	48
G		32	32	38	48	56	64	78	85
WEIGHT kg ≅		1,5	1,5	2	3,5	5	6,5	9,5	16
FIGURE		W 101	W 102	W 103	W 104	W 105	W 106	W 107	W 108
PACKING		BH2	BH2	BH2	BH4	BH5	BH6/A	BY5/A	BH8

REDUCED BORE - Type WL 100						
SIZE	inch mm	1/2	3/4	1	1.1/2	2
A		80	90	110	127	127
B open		152	158	196	255	290
C		88	88	97	138	138
F		9,6	14	18	30	36,6
G		32	38	48	64	78
WEIGHT kg ≅		1,6	1,8	2,9	6,1	8,2
FIGURE		WL 103	WL 104	WL 105	WL 107	WL 108
PACKING		BH2	BH2	BH4	BH6/A	BY5/A

CLASS 1500

FULL BORE - Type 9W 100									
SIZE	inch mm	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
A		90	90	110	127	127	127	127	210
B open		153	153	190	220	250	282	290	345
C		88	88	97	138	138	138	138	172
F		8	9,6	14	18	24	30	36,6	48
G		38	38	48	56	64	78	78	85
WEIGHT kg ≅		2,0	2,0	3,4	5,1	7	10	10,5	19
FIGURE		9W 101	9W 102	9W 103	9W 104	9W 105	9W 106	9W 107	9W 108
PACKING		BH3	BH3	BH5	BH6/A	2B4/A	BY7	2B5	9B8/A

REDUCED BORE - Type 9WL 100						
SIZE	inch mm	1/2	3/4	1	1.1/2	2
A		90	110	127	127	210
B open		153	190	220	282	345
C		88	97	138	138	138
F		9,6	14	18	30	36,6
G		38	48	56	78	85
WEIGHT kg ≅		2	3,3	5,3	9,8	18,3
FIGURE		9WL 103	9WL 104	9WL 105	9WL 107	9WL 108
PACKING		BH3	BH5	BH6/A	2B5	BH8



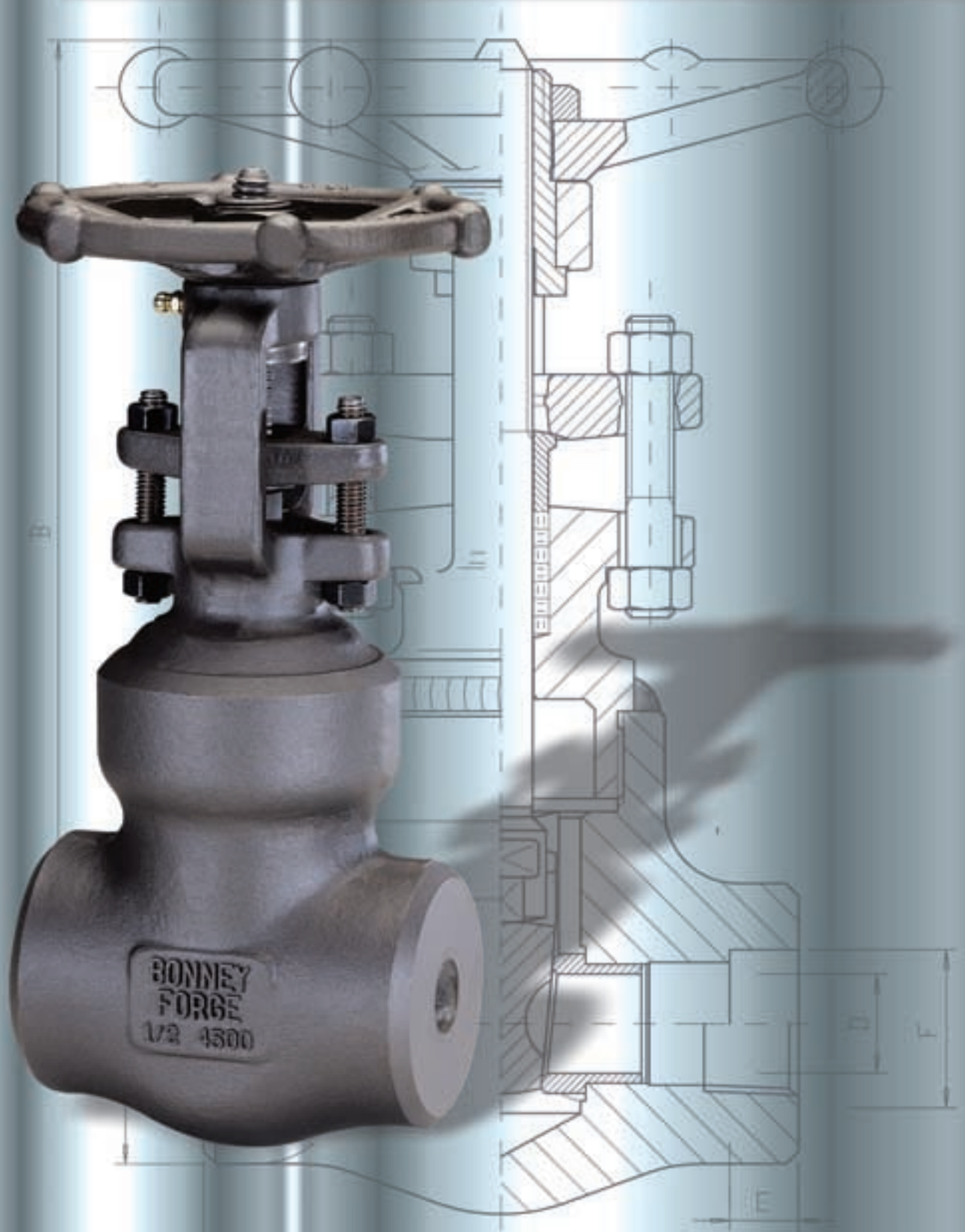
GATE VALVES



GATE VALVES

CLASS 2500-4500

WELDED BONNET - Full bore



Design construction: ANSI B16.34

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 standard class:
 - carbon steel class 2500 6170 psig @ 100°F
 425 bar + 38°C
 - carbon steel class 4500 11100 psig @ 100°F
 765 bar + 38°C

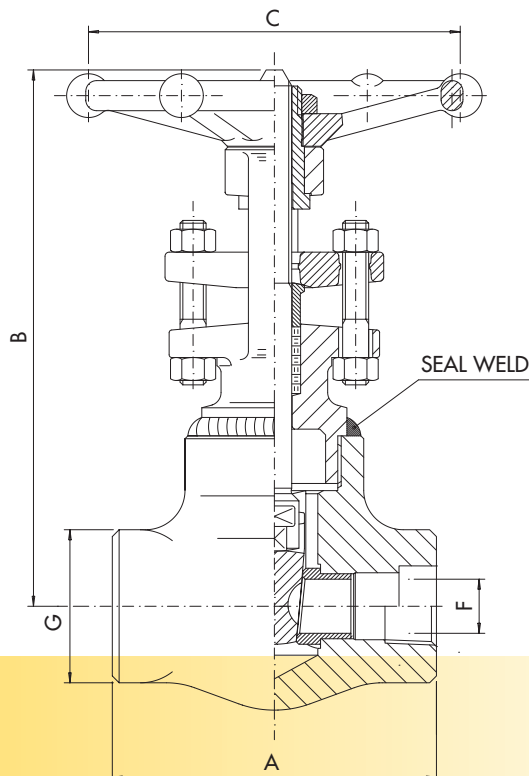
For special execution see special features
 For materials and testing pressure see technical data

CLASS 2500

FULL BORE - Type 25W 100									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A		110	110	127	127	127	127	210	230
B open		183	183	214	244	276	276	337	404
C		97	97	138	138	138	138	172	234
F		8	8	11,5	15	19,5	25	28	35
G		48	48	56	64	78	78	85	95
WEIGHT kg ≅		5,2	5,3	5,4	7,2	9,8	9,8	19,5	29
FIGURE		25W 101	25W 102	25W 103	25W 104	25W 105	25W 106	25W 107	25W 108
PACKING		2B3	2B3	2B3	2B4/A	2B5	2B5	2B5	2B8

CLASS 4500

FULL BORE - Type 45W 100				
SIZE	inch	1/2	3/4	1
	mm	15	20	25
A		127	127	230
B open		264	275	365
C		138	168	234
F		7,5	11,5	15
G		78	78	95
WEIGHT kg ≅				33
FIGURE		45W 103	45W 104	45W 105
PACKING		2B3	BH6/A	2B8



GATE VALVES

