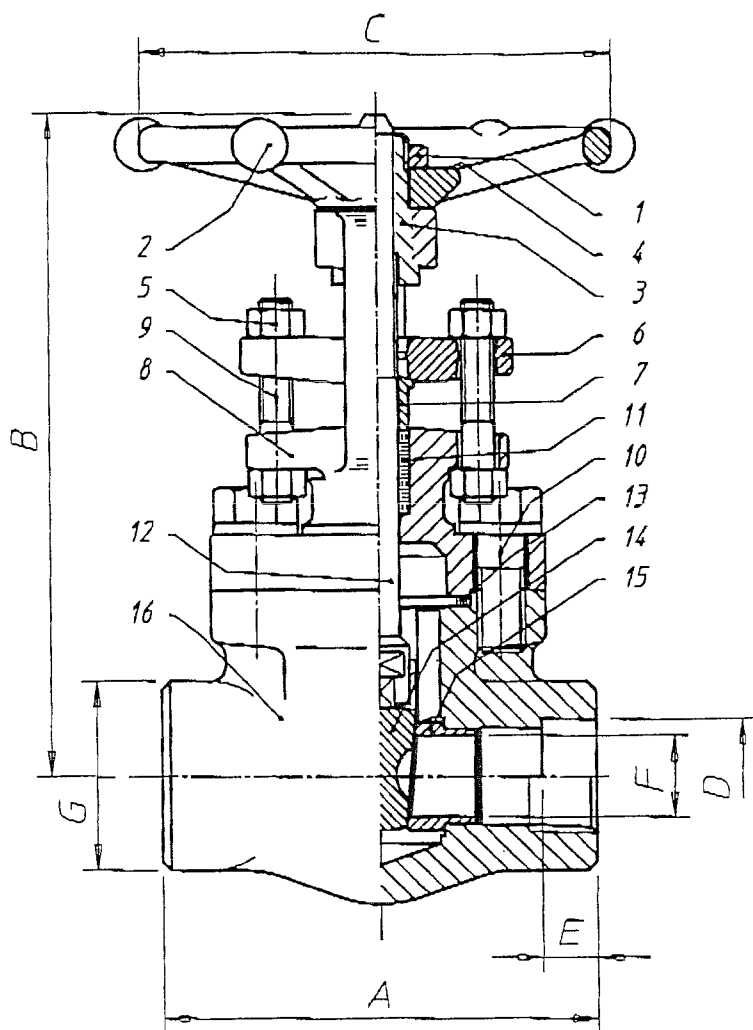




POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volantino HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR. 8
6	Flangia premitrec. GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	ASTM B564 N06600
8	Coperchio BONNET	ASTM A494 CW6MC
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL. 1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL. 1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM B446 N06625
13	Guarnizione C/C B/B GASKET	INCONEL 600+GRAPHITE
14	Otturatore WEDGE	ASTM B564 N06625
15	Seggio SEAT RINGS	ASTM B446 N06625
16	Corpo BODY	ASTM A494 CW6MC

X SOCKET WELDING ENDS ACCORDING TO ANSI B16.11
 () SCREWED ENDS ACCORDING TO ANSI B120.1 (NPT)

COMPONENT KEY VAR : 24005514 0002

MAT. NUMBER : 1045992 (ITEM 10)

MAT. NUMBER : 1047846 (ITEM 20)

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	80	80	90	110	127	127	134	152
B open	152	152	158	196	225	255	270	330
C	88	88	88	97	138	138	138	172
D	14,1	17,5	21,7	27,1	33,8	42,5	48,6	61,1
E	11,1	11,1	12,7	14,3	15,8	17,5	19	22,2
F	8	9,6	14	18	24	30	36,6	46,5
G	32	32	38	48	56	64	78	78
WEIGHT kg~	2,1	2,1	2,3	3,7	5,9	7,4	7,5	12,5
FIGURE N°	H 101	H 102	H 103	H 104	H 105	H 106	H 107	H 108
ITEM				10	20			



B.F.E. S.p.A.
 BONNEY FORGE
 VALVE LICENSEE

Draw.: M.Tell 20.4.95
 Appr.: P.Gargiulo 20.4.95
 Revisions

COMPANY
 WITH

QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001 =

Title :

GATE VALVE B.B. O.S. & Y
 CLASS 800 lbs - FULL BORE

Reference
 specification
 BS5362

Drawing N° :

H 100 | 019

CW-6MC/INCONEL-625

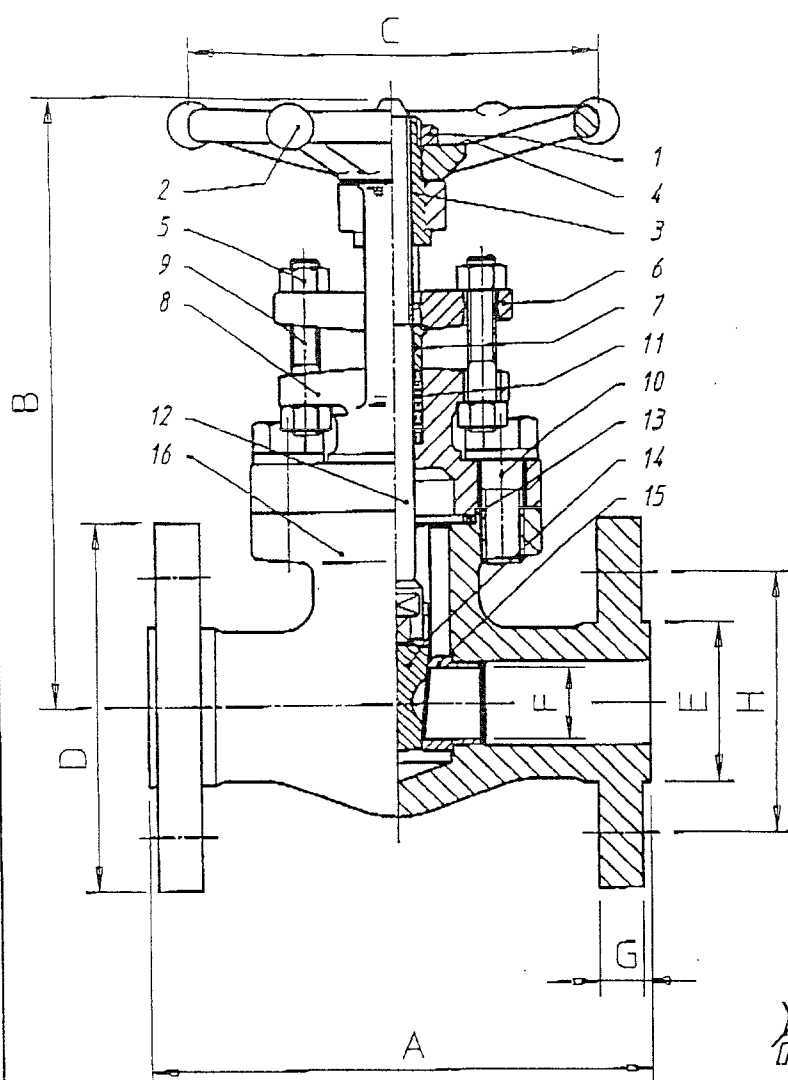
CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S550
 BFE JOB NR : 030408

approved: 03.04.03 Edo

CUSTOMER CODE: 2202

B.F.E. CODE VALVE 186093

915564277



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volante HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premireccia GLAND NUTS	ASTM A194 GR.8
6	Flangia premirecc. GLAND FLANGE	ASTM A182 F316-L
7	Premireccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premireccia GLAND STUDS	ASTM A193 B8 CL.1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL.1
11	Boderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 316-L
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F316-L
15	Seggio SEAT RINGS	ASTM A479 316-L
16	Corpo BODY	ASTM A182 F321-H

☒ SMOOTH FINISH (125 - 250 AARH) (3.2 - 6.3 Ra)
☐ SERRATED SPIRAL FINISH

COMPONENT KEY VAR : 24006551 0031
 MAT. NUMBER : 1043948 (ITEM 50)

SIZE	1/2"	3/4"	1"	1.1/2"	2"			
A	165	191	216	241	292			
B open	175	215	240	295	360			
C	88	97	138	138	172			
D	95,5	117,5	124	155,5	165			
E	35	43	51	73	92			
F	14	18	24	36,6	48			
G	14,5	16	17,5	22,5	25,5			
H	67	82,5	89	114	127			
n x Ø holes	4x16	4x19	4x19	4x23	8x19			
WEIGHT kg~	4,3	7	10	18	28			
FIGURE N°	6-103	6-104	6-105	6-107	6-108			
ITEM		50						



B.F.E. S.p.A.
 BONNEY FORGE
 VALVE LICENSEE

Draw.: M.Teli 18.3.95
 Appr.: P.Gargiulo 18.3.95
 Revisions

COMPANY
 WITH

Title : GATE VALVE B.B. O.S. & Y
 INTEGRAL FLANGED ENDS
 CLASS 600 lbs - FULL BORE

CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S653
 BFE JOB NR : 030408

QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001 =

Reference
 specification
BS6352

Drawing N° :

6-100

010

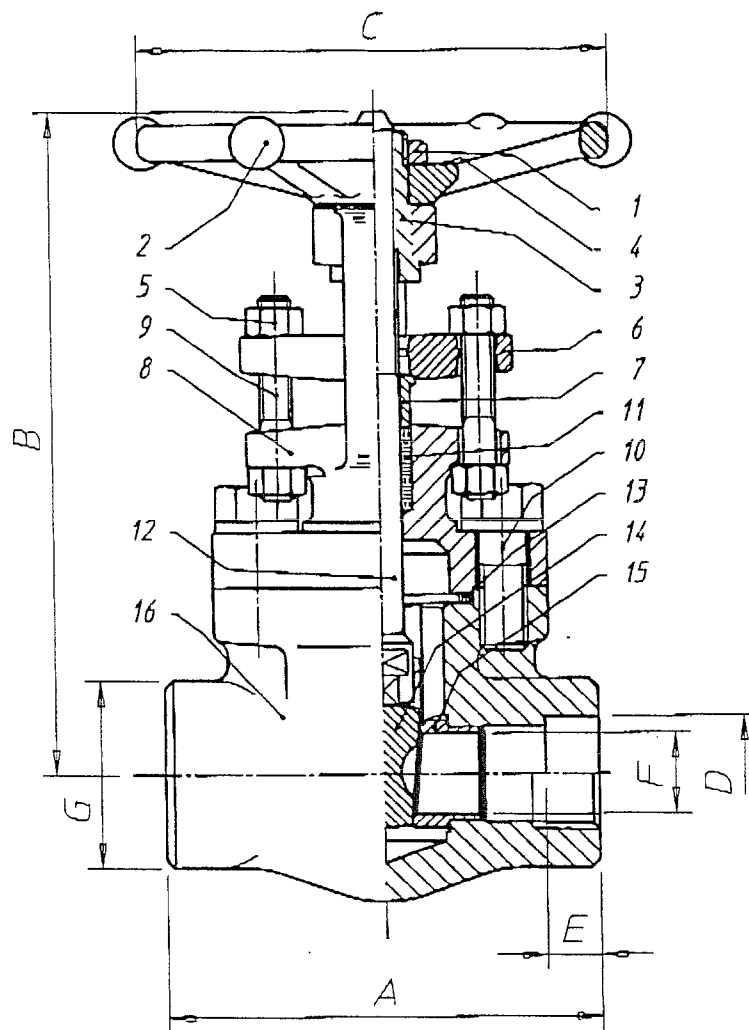
F321-H/F316-L 600LBS

CUSTOMER CODE: 2202

B.F.E. CODE VALVE 186180

16.05.03 K.M.

915564277



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volante HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR.8
6	Flangia premirecc. GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL.1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL.1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 316-L
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F316-L
15	Seggio SEAT RINGS	ASTM A479 316-L
16	Corpo BODY	ASTM A182 F321-H

X SOCKET WELDING ENDS ACCORDING TO ANSI B16.11
 () SCREWED ENDS ACCORDING TO ANSI B1.20.1 (NPT)

COMPONENT KEY VAR : 24006554 0031

MAT. NUMBER : 1041343 (ITEM 60)

MAT. NUMBER : 1041054 (ITEM 80)

MAT. NUMBER : 1041005 (ITEM 100)

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	80	80	90	110	127	127	134	152
B open	152	152	158	196	225	255	270	330
C	88	88	88	97	138	138	138	172
D	14,1	17,5	21,7	27,1	33,8	42,5	48,6	61,1
E	11,1	11,1	12,7	14,3	15,8	17,5	19	22,2
F	8	9,6	14	18	24	30	36,6	46,5
G	32	32	38	48	56	64	78	78
WEIGHT kg~	2,1	2,1	2,3	3,7	5,9	7,4	7,5	12,5
FIGURE N°	H 101	H 102	H 103	H 104	H 105	H 106	H 107	H 108
ITEM			60	80	100			



B.F.E. Sp.A.
 BONNEY FORGE
 VALVE LICENSEE

Draw.: M.Tell 20.4.95
 Appr.: P.Gargiulo 20.4.95
 Revisions

COMPANY
 WITH

Title : GATE VALVE B.B. O.S. & Y
 CLASS 800 lbs - FULL BORE

CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S650
 BFE JOB NR. : 030408

QUALITY SYSTEM
 CERTIFIED BY DNV
 =ISO 9001=

Reference
 specification
 BS5352

Drawing N° :
H 100 | 021
 F321-H/F316-L 800LBS

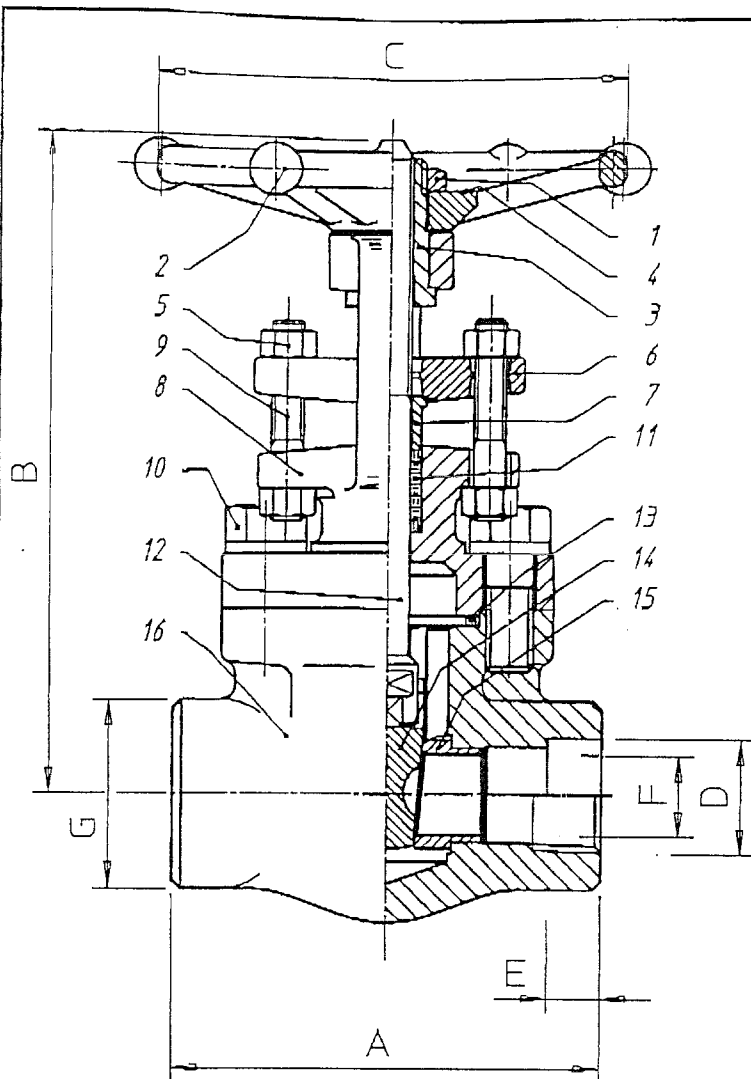
approved: 03.04.03

CUSTOMER CODE: 2202

B.F.E. CODE VALVE

X

915564277



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volantino HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR.8
6	Flangia premitrec. GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL.1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL.1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 316-L
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F316-L
15	Seggio SEAT RINGS	ASTM A479 316-L
16	Corpo BODY	ASTM A182 F321-H

X SOCKET WELDING ENDS ACCORDING TO ANSI B16.11
 D SCREWED ENDS ACCORDING TO ANSI B120.1 (NPT)

COMPONENT KEY VAR : 24006554 0031

MAT. NUMBER : 1041874 (ITEM 70)

MAT. NUMBER : 1041292 (ITEM 90)

MAT. NUMBER : 1041464 (ITEM 110)

SIZE	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	355
C	88	88	97	138	138	138	172	172
D	14,1	17,5	21,7	27,1	33,8	42,5	48,6	61,1
E	11,1	11,1	12,7	14,3	15,8	17,5	19	22,2
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	11,5	19,5
FIGURE N°	9H 101	9H 102	9H 103	9H 104	9H 105	9H 106	9H 107	9H 108
ITEM			70	90	110			



B.F.E. SpA
 BONNEY FORGE
 VALVE LICENSEE

Draw.:	M.Tell	213.95
Appr.:	P.Gargiulo	213.95
Revisions		

COMPANY
WITH

Title : GATE VALVE B.B. O.S. & Y
 CLASS 1500 lbs - FULL BORE

CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S650
 BFE JOB NR : 030408

QUALITY SYSTEM
 CERTIFIED BY DNV
 =ISO 9001=

Reference
specification

BS5362

Drawing N° :

9H 100

015

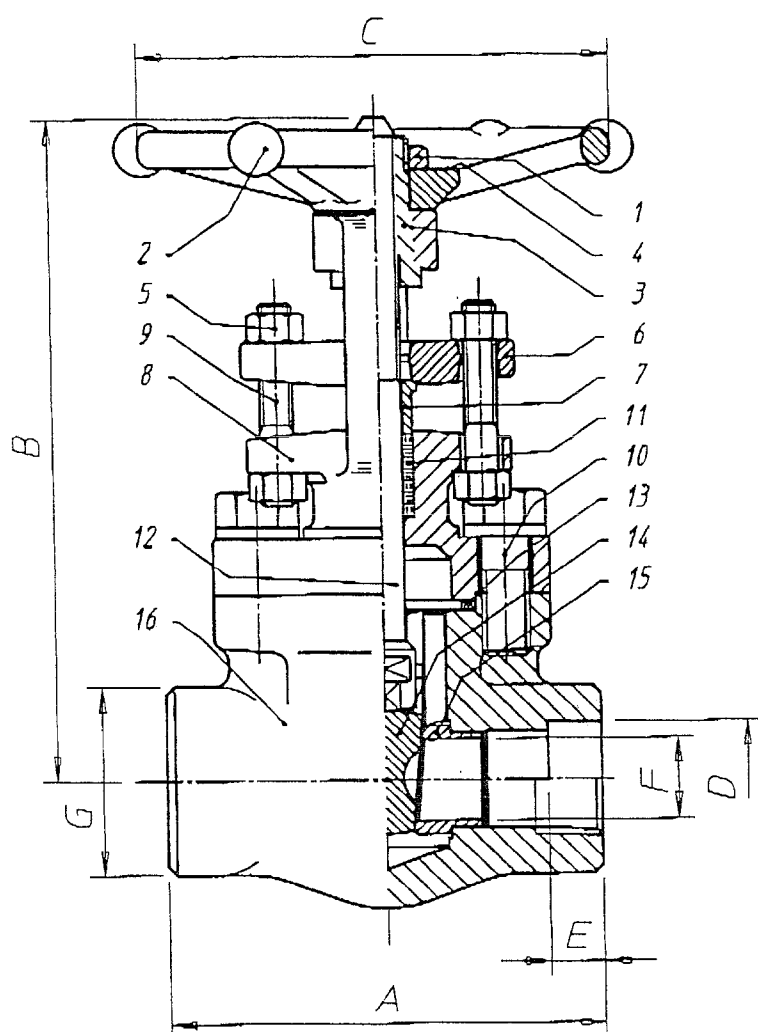
F321-H/F316-L 1500LBS

CUSTOMER CODE: 2202

B.F.E. CODE VALVE

CAR. 16-05-03

915564277



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volantino HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR.8
6	Flangia premitrec. GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL.1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL.1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 321-H
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F321-H
15	Seggio SEAT RINGS	ASTM A479 321-H
16	Corpo BODY	ASTM A182 F321-H

X SOCKET WELDING ENDS ACCORDING TO ANSI B16.11
 () SCREWED ENDS ACCORDING TO ANSI B120.1 (NPT)

COMPONENT KEY VAR : 24006584 0010

MAT. NUMBER : 1041099 (ITEM 120)

MAT. NUMBER : 1041097 (ITEM 130)

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	80	80	90	110	127	127	134	152
B open	152	152	158	196	225	255	270	330
C	88	88	88	97	138	138	138	172
D	14,1	17,5	21,7	27,1	33,8	42,5	48,6	61,1
E	11,1	11,1	12,7	14,3	15,8	17,5	19	22,2
F	8	9,6	14	18	24	30	36,6	46,5
G	32	32	38	48	56	64	78	78
WEIGHT kg~	2,1	2,1	2,3	3,7	5,9	7,4	7,5	12,5
FIGURE N°	H 101	H 102	H 103	H 104	H 105	H 106	H 107	H 108
ITEM				120	130			



B.F.E. SpA
 BONNEY FORGE
 VALVE LICENSEE

Draw.: M.Telli 20.4.95
 Appr.: P.Gargiulo 20.4.95
 Revisions

COMPANY
 WITH

QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001 =

Title : GATE VALVE B.B. O.S. & Y
 CLASS 800 lbs - FULL BORE

Reference
 specification

B65362

Drawing N° :

H 100 022

F321-H/F321-H800LBS

CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S652
 BFE JOB NR : 030408

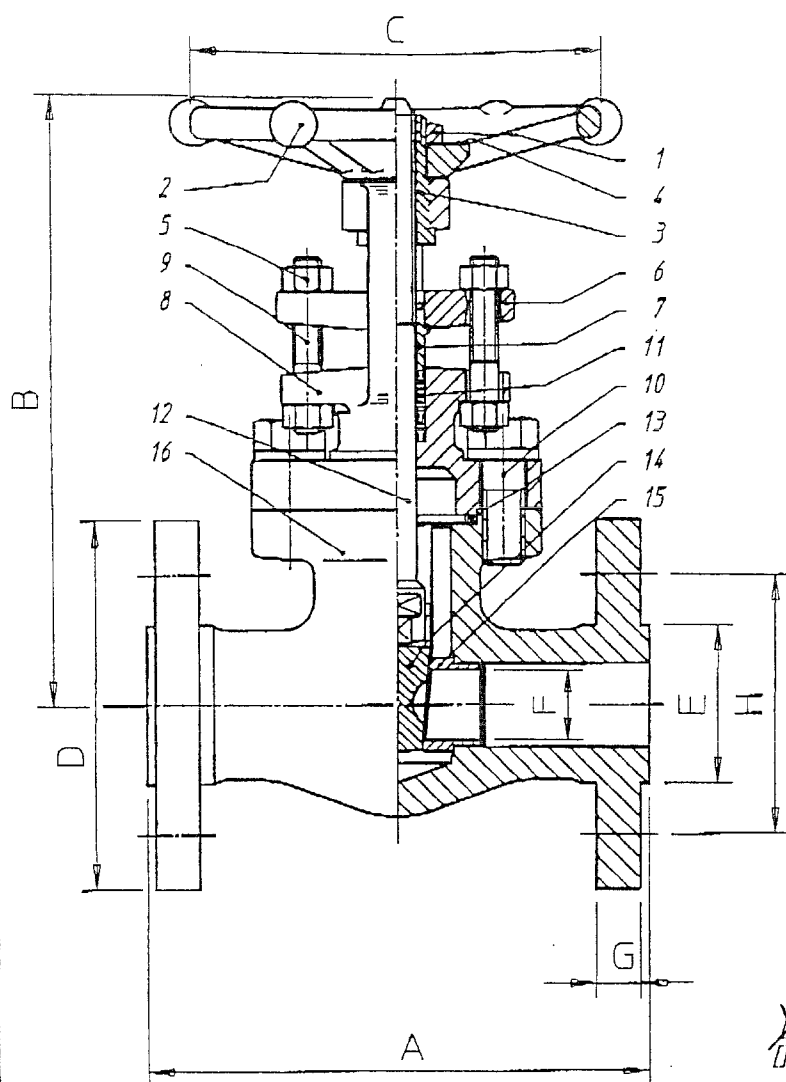
approved: 03.04.03 k/b/c

CUSTOMER CODE: 2202

B.F.E. CODE VALVE

X

915564277



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volante HANDWHEEL	ASTM A105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR. 8
6	Flangia premitreccia GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL. 1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL. 1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 316-L
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F316-L
15	Seggio SEAT RINGS	ASTM A479 316-L
16	Corpo BODY	ASTM A182 F321-H

X SMOOTH FINISH (125 - 250 AARH) (3.2 - 6.3 Ra)
I SERRATED SPIRAL FINISH

COMPONENT KEY VAR : 24006551 0031
MAT. NUMBER : 1058060 (ITEM 170)

SIZE	1/2'	3/4'	1'	1.1/2'	2'			
A	165	191	216	241	292			
B open	175	215	240	295	360			
C	88	97	138	138	172			
D	95,5	117,5	124	155,5	165			
E	35	43	51	73	92			
F	14	18	24	36,6	48			
G	14,5	16	17,5	22,5	25,5			
H	67	82,5	89	114	127			
n x Ø holes	4x16	4x19	4x19	4x23	8x19			
WEIGHT kg~	4,3	7	10	18	28			
FIGURE N°	6-103	6-104	6-105	6-107	6-108			
ITEM			170					



B.F.E. S.p.A.
BONNEY FORGE
VALVE LICENSEE

Draw.: M.Tell 18.3.95
Appr.: P.Gargiulo 18.3.95
Revisions

COMPANY
WITH

QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =

Title : GATE VALVE B.B. O.S. & Y
INTEGRAL FLANGED ENDS
CLASS 600 lbs - FULL BORE

Reference
specification
BS5352

Drawing N° :

6-100

027

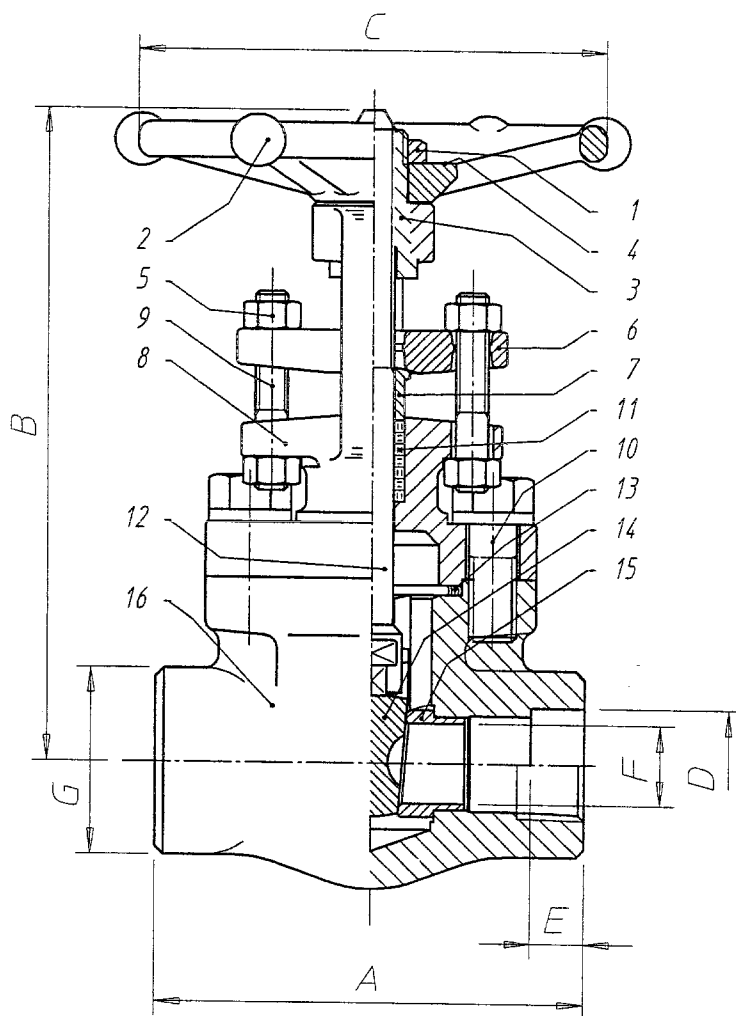
F321-H/F316-L600LBS

CUSTOMER : CUNADO INTERNACIONAL, S.A.
P.O. NUMBER : 3697
TAG NR : S653
BFE JOB NR. : 030408

CUSTOMER CODE: 2202

B.F.E. CODE VALVE 486059

16.05.03



POS	PART NAME	MATERIAL
1	Dado volante HANDWHEEL NUT	CARBON STEEL
2	Volantino HANDWHEEL	ASTM A 105
3	Madrevite YOKE SLEEVE	AISI 416
4	Targhetta NAME PLATE	ALUMINIUM
5	Dado premitreccia GLAND NUTS	ASTM A194 GR. 8
6	Flangia premitrec. GLAND FLANGE	ASTM A182 F316-L
7	Premitreccia PACKING GLAND	UNS S31603
8	Coperchio BONNET	ASTM A182 F321-H
9	Tiranti premitreccia GLAND STUDS	ASTM A193 B8 CL. 1
10	Bulloni C/C B/B BOLTS	ASTM A193 B8 CL. 1
11	Baderna PACKING	GRAFOIL WITHOUT PTFE
12	Stelo STEM	ASTM A479 316-L
13	Guarnizione C/C B/B GASKET	F316L + GRAPHITE
14	Otturatore WEDGE	ASTM A182 F316-L
15	Seggio SEAT RINGS	ASTM A479 316-L
16	Corpo BODY	ASTM A182 F321-H

X SOCKET WELDING ENDS ACCORDING TO ANSI B16.11
 (1) SCREWED ENDS ACCORDING TO ANSI B1.20.1 (NPT)

COMPONENT KEY VAR : 24006554 0031
 MAT. NUMBER : 1041457

SIZE	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	355
C	88	88	97	138	138	138	172	172
D	14,1	17,5	21,7	27,1	33,8	42,5	48,6	61,1
E	11,1	11,1	12,7	14,3	15,8	17,5	19	22,2
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	11,5	19,5
FIGURE N°	9H 101	9H 102	9H 103	9H 104	9H 105	9H 106	9H 107	9H 108
ITEM							180	



B.F.E. S.p.A.
 BONNEY FORGE
 VALVE LICENSEE

Draw.:	M.Teli	20.4.95
Appr.:	P.Gorgiulo	20.4.95
Revisions	A	

COMPANY
 WITH

QUALITY SYSTEM
 CERTIFIED BY DNV
 = ISO 9001 =

Title : GATE VALVE B.B. O.S. & Y
 CLASS 1500 lbs - FULL BORE

Reference
 specification

BS5352

Drawing N° :

9H 100 | 034

F321-H/F316-L800LBS

CUSTOMER : CUNADO INTERNACIONAL, S.A.
 P.O. NUMBER : 3697
 TAG NR : S650
 BFE JOB NR : 030408

CUSTOMER CODE: 2202

B.F.E. CODE VALVE 186961