



HEAD OFFICE - FORGED VALVE PLANT
Via Trieste, 104 - 37041 Adarno S. Alessandro (BG) Italy
Tel. 035/24001 - 24002 - 24003 - 24004
Telex 320555 BFEI

SEDE LEGALE
via A. Volta, n° 4
38100 Bolzano (ITALY)

(DECLARATION OF CONFIRMITY)

N. 4208/03

3E 2 OF 7

CUSTOMER

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2.400
28806 ALCALA DE HENARES
SPAIN

YOUR PURCHASE ORDER NO.

3697

DATE

25.02.03

☒ PARTIAL ORDER

BALANCE ORDER

OUR JOB NO.

030408

REMARKS:

☒

EN 10204 3.1.B

☒ API 608

BS 6755

CHEMICAL ANALYSIS										MECHANICAL PROPERTIES									
ITEM	Q.TY	PART. N.	DESCRIPTION	COMPONENT	TENSILE N/mm ² C	YIELD N/mm ²		ELONGATION RED. OF AREA %		IMPACT TEST 1 JOULE 2 JOULE 3 JOULE		TEST. TEMP °C		HARDNESS HB		C.E.			
						MN	SI	P	%	S	CR	NI	TI	HB	HB	%	%		
90	3/4" F321-H/F316-L 800 LBS			BONNET	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	S650		COMPONENT KEY VAR 24006554	SRR F321-H	547,00	250,00	68,30	63,30											
			MAT.NO. 1041054	408647 VALBRUNA															
	17 186133			BODY	C	MN	SI	P	S	CR	NI	TI							
	GATE VALVE OS&Y BB FB			SRA F321-H	0,045	1,570	0,620	0,023	0,028	0,028	17,500	9,100	0,280						
	9H 104B/T SW			230363 VALBRUNA	526,00	266,00	44,90	57,80											
	3/4" F321-H/F316-L 1500 LBS			BONNET	C	MN	SI	P	S	CR	NI	TI							
	S650		COMPONENT KEY VAR 24006554	SRA F321-H	0,045	1,570	0,620	0,023	0,028	0,028	17,500	9,100	0,280						
			MAT.NO. 1041292	230363 VALBRUNA	526,00	266,00	44,90	57,80											
				BODY	C	MN	SI	P	S	CR	NI	TI							
100	4 186135			BONNET	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	GATE VALVE OS&Y BB FB			SRR F321-H	547,00	250,00	68,30	63,30											
	H 105AT SW			408647 VALBRUNA															
	1" F321-H/F316-L 800 LBS			BODY	C	MN	SI	P	S	CR	NI	TI							
	S650		COMPONENT KEY VAR 24006554	SRR F321-H	526,00	266,00	44,90	57,80											
			MAT.NO. 1041005	408647 VALBRUNA	547,00	250,00	68,30	63,30											
				BODY	C	MN	SI	P	S	CR	NI	TI							
	GATE VALVE OS&Y BB FB			SRR F321-H	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	9H 105B/T SW			408647 VALBRUNA	547,00	250,00	68,30	63,30											
				BONNET	C	MN	SI	P	S	CR	NI	TI							
110	4 186138			BONNET	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	GATE VALVE OS&Y BB FB			SRR F321-H	547,00	250,00	68,30	63,30											
	9H 105B/T SW			408647 VALBRUNA															
				BODY	C	MN	SI	P	S	CR	NI	TI							
	GATE VALVE OS&Y BB FB			SRR F321-H	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	9H 105B/T SW			408647 VALBRUNA	547,00	250,00	68,30	63,30											
				BONNET	C	MN	SI	P	S	CR	NI	TI							
	GATE VALVE OS&Y BB FB			SRR F321-H	0,050	1,490	0,470	0,025	0,002	0,002	17,100	9,000	0,390						
	9H 105B/T SW			408647 VALBRUNA	547,00	250,00	68,30	63,30											
				BODY	C	MN	SI	P	S	CR	NI	TI							
TEST RESULT					DATE										INSPECTION DEPT.				
HYDROSTATIC AND PNEUMATIC TEST:					DATE										B.F.E. S.p.A.				
SATISFACTORY					23/07/03										BONNEY FORGE VALVE LICENSEE				
															QA/QC DEPT.				
															E. AZZOLA				



SEDE LEGALE
via A. Volta, n°4
37060 Belforte (ITALY)

HEAD OFFICE - FORGED VALVE PLANT
via Riviera 700A - 24061 Albino S. Alessandro (BG) Italy
Phone 035 204.111 (15 linee r.a.)
Telex 320500

YOUR PURCHASE ORDER NO.

3697

OUR JOB NO.

030408

REMARKS

DATE

25.02.03

☒

PARTIAL ORDER

BALANCE ORDER

(DECLARATION OF CONFIRMITY)

N. 4208/03

CUSTOMER

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2.400
28806 ALCALA DE HENARES
SPAIN

3E 3 OF 7

2202

☒ API 598
☒ BS 6755
EN 10204 3.1 B

CHEMICAL ANALYSIS

MECHANICAL PROPERTIES

MATERIAL TESTED				TEST				COMPONENT	CHEMICAL ANALYSIS																										
ITEM	Q.TY	PART. N.	DESCRIPTION	☒	PSI	HYDROSTATIC			BAR	MECHANICAL PROPERTIES																									
						SHELL	SEATS			TENSILE						YIELD			ELONGATION			IMPACT			TEST TEMP			HARDNESS							
										N/mm2	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390	N/mm2	MN	250,00	68,30	63,30	%	SI	P	S	CR	NI	TI	°C	HB	HB	%
120	S650	1" F321-H/F316-L 1500 LBS COMPONENT KEY VAR 24006554 MAT.NO. 1041464	10 154341 GATE VALVE OS&Y BB FB H 104A/T SW 3/4" F321-H/F321-H 800 LBS	☒	2975	2175	100	BONNET	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
								408647 VALBRUNA	547,00	250,00	68,30	63,30																							
								BODY	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																		
								SRR	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
140	S652	COMPONENT KEY VAR 24006584 MAT.NO. 1041099	1 170432 GLOBE VALVE OS&Y BB RB HL 305A/T SW 1" F321-H/F321-H 800 LBS	☒	2975	2175	100	BONNET	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
								408647 VALBRUNA	547,00	250,00	68,30	63,30																							
								BODY	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																		
								SRR	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
50	V650	COMPONENT KEY VAR 66016554 MAT.NO. 1041085	1 186110 GATE VALVE OS&Y BB FB FLG 6-104A SM.F RF SM.F 3/4" F321-H/F316-L 600 LBS	☒	2175	1585	100	BONNET	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
								408647 VALBRUNA	547,00	250,00	68,30	63,30																							
								BODY	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																		
								SRR	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
70	S653	COMPONENT KEY VAR 24006551 MAT.NO. 1043948	9 186114 GATE VALVE OS&Y BB FB 9H 103A/T SW 1/2" F321-H/F316-L 1500 LBS	☒	5400	3960	100	BONNET	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
								408647 VALBRUNA	547,00	250,00	68,30	63,30																							
								BODY	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																		
								SRR	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
90	S650	COMPONENT KEY VAR 24006554 MAT.NO. 1041874	5 186133 GATE VALVE OS&Y BB FB 9H 104B/T SW	☒	5400	3960	100	BONNET	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			
								408647 VALBRUNA	547,00	250,00	68,30	63,30																							
								BODY	C	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																		
								SRR	0,050	1,490	0,470	0,025	0,002	17,100	9,000	0,390																			

TEST RESULT

HYDROSTATIC AND

PNEUMATIC TEST:

SATISFACTORY

THIRD AUTHORITY

DATE

CLIENT INSPECTOR

DATE

INSPECTION DEPT.

B.F.E. S.p.A.

BONNEY FORGE VALVE LICENSEE

QAVOC. Bp

23/07/03

E. AZZOLA



SEDE LEGALE
via A. Volta, n. 4
38100 Bolzano (ITALY)

HEAD OFFICE FORGED VALVE PLANT
via Roma 70/A - 38061 Alandro (Trento) - Italy
Phone 0461/354.111 (16 lines / r.a.)
Telex 320532

(DECLARATION OF CONFIRMITY)

N. 4208/03

GE 4 OF 7

CUSTOMER

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2.400
28806 ALCALA DE HENARES
SPAIN

YOUR PURCHASE ORDER NO.

3697

OUR JOB NO.

030408

REMARKS

DATE

25.02.03

X

PARTIAL ORDER

BALANCE ORDER

X

API 598

BS 6755

EN 10204 3.1 B

MATERIAL TESTED				TEST				COMPONENT	CHEMICAL ANALYSIS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
ITEM	Q.TY	PART. N.	DESCRIPTION	X	PSI		BAR		HYDROSTATIC		HEAT CODE/MATERIAL	HEAT NR./SUPPLIER	TENSILE				YIELD				ELONGATION				IMPACT TEST				TEST TEMP		HARDNESS		C.E.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					SEATS	SEATS			SHELL	SEATS			C	MN	SI	P	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

DATE	DATE	DATE	DATE
INSPECTION DEPT.	B.F.E. S.p.A.	BONNEY FORGE VALVE LICENSEE	E. AZZOLA
QA/QC Dip			



B.F.E. S.P.A.

BONNEY FORGE
VALVE LICENSEE

SEDE LEGALE
via A. Volta, n° 9
38100 Bolzano (ITALY)

HEAD OFFICE - FORGED VALVE PLANT
via Tonale 70/A - 24061 Albano S. Alessandro (BG) Italy
Phone 035 564.111 (16 linee r.a.)
Telex 320 50000

YOUR PURCHASE ORDER NO.

3697

OUR JOB NO.

030408

REMARKS

TEST CERTIFICATE (DECLARATION OF CONFORMITY)

N. 4208/03

AGE 6 OF

CUSTOMER

E 2202

CUNADO INTERNACIONAL, S.A.

CTRA. DE DAGANZO KM. 2.400

28806 ALCALA DE HENARES

SPAIN

DATE

25.02.03

☒

PARTIAL ORDER

BALANCE ORDER

☒

API 598

BS 6755

☒

EN 10204 3.1 B

TEST

MATERIAL TESTED

ITEM Q.TY PART. N. DESCRIPTION

☒

PSI

HYDROSTATIC

☐

BAR

PNEUM.

SHELL SEATS

SEATS

EC DECLARATION OF CONFORMITY

B.F.E. SPA, VIA TONALE 70/A, ALBANO S.A. (BG) ITALY
DECLARE THAT UNDER OUR SOLE RESPONSIBILITY THAT
THE PRODUCTS DETAILED ABOVE HAS BEEN MANUFACTU-
RED ACCORDING TO SOUND ENGINEERING PRACTICE IN
AN ENVIRONMENT ASSESSED AND CERTIFIED TO MODULE
H OF THE PRESSURE EQUIPMENT DIRECTIVE 97/23/CE,
AND MEETS THE REQUIREMENTS OF THE PED ACCORDING
TO ARTICLE 3 PARAGRAPH 3.

SIGNED

PRINT NAME : M. SARTORI
TITLE : GENERAL MANAGER

- VISUAL DIMENSIONAL EXAMINATION HAS BEEN CARRIED
OUT WITH SATISFACTORY RESULT.

- TRIM MATERIAL (DISK-SEAT-STEM) AND BOLTING ARE
ACCORDING TO THE P.O. AND MATERIAL SPECIFICA-
TIONS.

- F304H MATERIAL HAS BEEN SOLUTION ANNEALED

TEST RESULT

HYDROSTATIC AND
PNEUMATIC TEST:

SATISFACTORY

THIRD AUTHORITY

DATE

CLIENT INSPECTOR

DATE

INSPECTION DEPT.

B.F.E. S.p.A.

BONNEY FORGE VALVE LICENSEE

QA/QC. Dtp

DATE

25/07/03

E. AZZOLA

GENERAL SALES CONDITION

WARRANTY

All B.F.E. products are warranted to be free from manufacturing defects for a period of one (1) year from date of shipment, and any found to be defective within that period will be replaced without charge. (1) that the product was used as recommended and in accordance with approved installation instructions, (2) that its failure resulted from a manufacturing defect and not from damage due to misuse, abuse, neglect, or other wear normally to be expected in the service involved, (3) that the product was not modified or changed (unless written approval was given by B.F.E.) and (4) that written notice of such defect was delivered to B.F.E. during such one (1) year period. No labor cost or other expense or liability will be assumed.

PARTIAL SHIPMENT AND PAYMENTS

B.F.E. reserves the right to make partial shipment from time to time, and to tender invoices therefor which shall be due and payable as provided in said invoices. If the Purchaser becomes overdue in any such partial payment, B.F.E. shall be entitled to suspend work and/or avail itself of other legal remedies.

DELAYS

All promises of shipments from are estimated as closely as possible, and we will use our best effort to ship within the time promised but do not guarantee to do so, and assume no liability for not doing so. Materials stated to be in stock are subject to prior sale.

RETURN OF MATERIAL

No product of our manufacture may be returned without written consent. All goods returned are subject to a handling charge plus freight in both directions and charges for any required reconditioning, unless otherwise specified in writing by B.F.E.

PATENTS

The Purchaser will indemnify and hold harmless B.F.E. against and from any claims, costs (including attorneys fees) and liabilities arising out of any suit alleging infringement of any United States patent by any product supplied by B.F.E. under the contract and made in accordance with the design and/or specification furnished by the Purchaser to B.F.E.

FORCE MAJEURE

Any delays in or failure of performance of B.F.E. shall not constitute default or give rise to any claims for damages if and to the extent that such delay or failure is caused by occurrences beyond the control of B.F.E., including, but not limited to: acts of God or the public enemy, expropriation or confiscation of facilities, compliance with any order or request of any governmental authority, acts of war, rebellion or sabotage or damage resulting therefrom; embargoes or other export restrictions; fires, floods, explosions, accidents, breakdowns, riots or strikes or other concerted acts of workmen, whether direct or indirect; or any other causes whether or not of same class or kind as those specifically above named which are not within the control of B.F.E. and which, by the exercise of reasonable diligence, B.F.E. is unable to prevent or provide against.

CLAIMS AND ORDER CANCELLATIONS

Claims will be considered only if made in writing 10 days from receipt of goods. Partial or complete cancellations of order can be accepted only upon previous agreement or by written consent and, in no case later than 15 days from order date. Any claims or disputes will be referred to the Court of Bergamo.

CONDIZIONI GENERALI DI VENDITA

VALIDITA' DELL'OFFERTA

La merce è sempre resa "Franco Fabbrica", salvo patto contrario.

CONSEGNA MATERIALI

La B.F.E. s.p.a. non assume alcuna responsabilità per ritardi nelle consegne che s'intendono sempre indicative e non vincolanti. I rischi dovuti al trasporto della merce sono a carico del destinatario anche nel caso che la spedizione sia effettuata in porto franco.

GARANZIA

La B.F.E. s.p.a. garantisce tutti i suoi prodotti da difetti di materiale e/o lavorazione nelle condizioni di esercizio, previste dalle norme per un periodo, salvo patto contrario, di un anno dalla data di spedizione. La responsabilità della B.F.E. s.p.a. si riferisce soltanto all'eventuale sostituzione gratuita delle parti o prodotti difettosi, sempreché siano stati osservati i termini di cui sopra e l'impiego secondo quanto previsto dalle norme, comunque solo dopo la restituzione della merce difettosa.

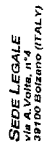
RECLAMI E CANCELLAZIONI ORDINI

Nessun reclamo verrà preso in considerazione trascorsi dieci giorni dal ricevimento della merce. Le cancellazioni parziali o totali degli ordini, potranno essere accettate solo quando preventivamente concordate e confermate per iscritto, e comunque non oltre 15 giorni dalla data degli ordini.

Per ogni controversia Foro competente è quello di Bergamo.

FORGED VALVE

ABBREVIATIONS	DESCRIPTION	DESCRIZIONE
BB	Bolted Bonnet	Coperchio bullonato
BBRJ	Bolted Bonnet Ring Joint Type	Coperchio bullonato tipo Ring Joint
BEL	Belows Sealed	Soffietto di tenuta
BW	Butt Weld	Saldataura di testa
CRY	Cryogenic Service	Servizio Criogenico
FB	Full Port	Passaggio Completo
FF SM F	Flat Face Smooth Finish	Faccia Piana Finitura Liscia
FF ST F	Flat Face Stock Finish	Faccia Piana Finitura Fotografica o Concostr.
FLG	Integral Flanges	Flange Integrali
F.P.	Full Penetration	Piena Penetrazione
FPWB	Welded Bonnet Full Penetration	Coperchio Saldato Piena Penetrazione
IS	Inside Screw	Vite Interna
L.G.	Large Groove	Incastro femmina largo
MF	Male - Extended Body	Maschio - Femmina
NEED - INT	Integral Needle	Spillo Integrale
NEED - LOO	Loose Needle	Spillo Snodato
NPT	Threaded	Filettato
OS & Y	Outside Screw & Yoke	Vite Esterna
RB	Reduced Port	Passaggio Ridotto
RF SM F	Raised Faced Smooth Finish	Faccia con Rialzo Finitura Liscia
RF ST F	Raised Faced Stock Finish	Faccia con Rialzo Finit. Fotograf. o Concostr.
RJ	Ring Joint	Anello di Giunzione
SM. GR.	Small Groove	Incastro femmina stretto
SW	Socket Weld	Tasca a Saldaura
SWB	Seal Welded Bonnet	Coperchio filettato con saldatura di sigillo
WB	Welded Bonnet	Coperchio Saldato
WFLG	Welded Flanges	Flange Saldate
*	Stainless	Stellitato



SEDE LEGALE
via A. Volta, n°4
39100 Bolzano (ITALY)

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2,400
28806 ALCALA DE HENARES
SPAIN

YOUR PURCHASE ORDER N.
3697 + 3779 DT.19-08-2003

OUR JOB N. REMARKS:

CHEMICAL ANALYSIS

[illegible]

pneumatic test: SATISFACTORY

date

client	inspector
--------	-----------

INSPECTION DEPT.

rate

F.F.E. S.P.A. JONNEY FORGE VALVE LICENSEE SEDE LEGALE IN ITALIA - ROMA, ITALIA 39100 BORGOMASERO (ITALY) HEAD OFFICE-FORGED VALVE PLANT Via Feltrina 108-110 - 31040 Montebelluna (TV) Italy Telefono 0422-5414 / 111 (10 linee r.a.) Telefax 0422-550025						TEST CERTIFICATE (DECLARATION OF CONFORMITY,							NUMBER 0149/04 REVISION P2 3 of 4 CUSTUMER CUNADO INTERNACIONAL, S.A. CTRA. DE DAGANZO KM. 2,400 28806 ALCALA DE HENARES SPAIN IDE 2202										
YOUR PURCHASE ORDER N. 3697 + 3779 DT. 19-08-2003						DATE 25/02/2003		X PARTIAL ORDER BALANCE ORDER		X API 598 BS 6755 X EN 10204 3.1B													
OUR JOB N. 030408						REMARKS:																	
MATERIAL TESTED						PSI X		TEST HYDROSTATIC SHELL SEATS PNELUM SEATS		COMPONENT HEAT CODE MATERIAL HEAT NR SUPPLIER		% TENSILE YIELD ELONGATION RED.OF IMPACT TEST TEST HARDNESS C.E. N/mm2 N/mm2 % AREA % 1 JOULE 2 JOULE 3 JOULE TEMP °C HB HB											
ITEM QTY PART N. DESCRIPTION																							
- VISUAL DIMENSIONAL EXAMINATION HAS BEEN CARRIED OUT WITH SATISFACTORY RESULT.																							
- TRIM MATERIAL (WEDGE-SEAT-STEM) AND BOLTING ARE ACCORDING TO THE P.O. AND MATERIAL SPECIFICATIONS.																							
- F304-H MATERIAL HAS BEEN SOLUTION ANNEALED ACCORDING TO ASTM A182 SPECIFICATIONS: TEMP. 1060° C 1 HOUR EACH INCH THICKNESS WATER QUENCHING TO ROOM TEMPERATURE.																							
- F321-H MATERIAL HAS BEEN SOLUTION ANNEALED AND STABILIZED ACC.TO ASTM A182: SOLUBILIZATION AT 1095°C MIN. 1 HOUR/INCH FOLLOWED BY W. QUENCH STABILIZATION AT 815-870° C COOLING IN AIR.																							
EC DECLARATION OF CONFORMITY																							
B.F.E. SPA,VIA TONALE 70/A,ALBANO S.A.(BG) ITALY DECLARE THAT UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCTS DETAILED ABOVE HAS BEEN MANUFACTURED ACCORDING TO SOUND ENGINEERING PRACTICE IN AN ENVIRONMENT ASSESSED AND CERTIFIED TO MODULE H OF THE PRESSURE EQUIPMENT DIRECTIVE 97/23/CE, AND MEETS THE REQUIREMENTS OF THE PED ACCORDING TO ARTICLE 3 PARAGRAPH 3.																							
TEST RESULT hydrostatic and pneumatic test: SATISFACTORY						date		third authority		date client inspector		INSPECTION DEPT. B.F.E. SPA JONNEY FORGE VALVE LICENSEE CAVOTEST E 2004		date 12/01/04									

 I.F.E. S.P.A. BONNEY FORGE VALVE LICENSEE SEDE LEGALE Via A. Volta, n°4 38100 Bolzano (ITALY)		TEST CERTIFICATE (DECLARATION OF CONFORMITY)										NUMBER 0149/04		REVISION		Pa 4 of 4																							
CUNADO INTERNACIONAL, S.A. CTRA. DE DAGANZO KM. 2,400 28806 ALCALA DE HENARES SPAIN												CUSTOMER		DE 2202																									
YOUR PURCHASE ORDER N. 3697 + 3779 DT.19-08-2003												DATE 25/02/2003		☒ PARTIAL ORDER ☐ BALANCE ORDER		X API 598 BS 8755		X EN 10204 3.1B																					
OUR JOB N. 030408												REMARKS																											
MATERIAL TESTED												PSI ☒		TEST		BAR		COMPONENT		CHEMICAL ANALYSIS																			
QTY PART N. DESCRIPTION												HYDROSTATIC SHELL		SEATS		PNEUM. SEATS		HEAT CODE MATERIAL HEAT NR SUPPLIER		TENSILE N/mm2		YIELD N/mm2		ELONGATION %		RED.OF AREA %		1 JOULE		2 JOULE		3 JOULE		TEMP °C		HARDNESS HB		C.E.	
SIGNED..... <i>M. Sartori</i>																																							
PRINT NAME : M. SARTORI																																							
TITLE : GENERAL MANAGER																																							

GENERAL SALES CONDITION

WARRANTY

All B.F.E. products are warranted to be free from manufacturing defects for a period of one (1) year from date of shipment, and any found to be defective within that period will be replaced without charge, provided (1) that the product was used as recommended and in accordance with approved installation and operating practice, (2) that its failure resulted from a manufacturing defect and not from damage due to corrosive, abrasive, or other wear normally to be expected in the services involved, (3) that the product was not modified or changed (unless written approval was given by B.F.E.) and (4) that written notice of such defect is delivered to B.F.E. during such one (1) year period. No labor cost or other expense or liability will be assumed.

PARTIAL SHIPMENT AND PAYMENTS

B.F.E. reserves the right to make partial shipment from time to time, and to tender invoices therefor which shall be due and payable as provided in said invoices. If the Purchaser becomes overdue in any such partial payment, B.F.E. shall be entitled to suspend work and/or avail itself of other legal remedies.

DELAYS

All premises of shipments from are estimated as close as possible, and we will use our best effort to ship within the time promised but do not guarantee to do so, and assume no liability for not doing so. Materials stated to be in stock are subject to prior sale.

RETURN OF MATERIAL

No product of our manufacture may be returned without written consent. All goods returned are subject to a handling charge plus freight in both directions and charges for any required reconditioning, unless otherwise specified in writing by B.F.E.

PATENTS

The Purchaser will indemnify and hold harmless B.F.E. against and from any claims, costs (including attorneys fees) and liabilities arising out of any suit alleging infringement of any United States patent by any product supplied by B.F.E. under the contract and made in accordance with the design and/or specification furnished by the Purchaser to B.F.E.

FORCE MAJEURE

Any delays in or failure of performance of B.F.E. shall not constitute default or give rise to any claims for damages if and to the extent that such delay or failure is caused by occurrences beyond the control of B.F.E., including, but not limited to: acts of God or the public enemy, expropriation or confiscation of facilities, compliance with any order or request of any governmental authority, acts of war, rebellion or sabotage or damage resulting therefrom; embargoes or other export restrictions, fires, floods, explosions, accidents, breakdowns, riots or strikes or other concerted acts of workmen, whether direct or indirect; or any other causes whether or not of same class or kind as those specifically above named which are not within the control of B.F.E. and which, by the exercise of reasonable diligence, B.F.E. is unable to prevent or provide against.

CLAIMS AND ORDER CANCELLATIONS

Claims will be considered only if made in writing 10 days from receipt of goods. Partial or complete cancellations of order can be accepted only upon previous agreement or by written consent and, in no case later than 15 days from order date.

Any claims or disputes will be referred to the Court of Bergamo.

CONDIZIONI GENERALI DI VENDITA

VALIDITA' DELL'OFFERTA

La merce è sempre resa "Franco Fabbrica", salvo patto contrario.

CONSEGNA MATERIALI

La B.F.E. s.p.a. non assume alcuna responsabilità per ritardi nelle consegne che s'intendono sempre indicative e non vincolanti. I rischi dovuti al trasporto della merce sono a carico del destinatario anche nel caso che la spedizione sia effettuata in porto franco.

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FORGED VALVE

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BW	Butt Weld	Saldatura di testa
CRY	Cryogenic Service	Servizio Criogenico
FB	Full Port	Passaggio Pieno
FF SM. F	Flat Face Smooth Finish	Faccia Piana Finitura Liscia
FF ST. F	Flat Face Stock Finish	Faccia Piana Finitura Fonografica o Concantr.
FLG	Integral Flanges	Flange Integrali
F.P.	Full Penetration	Piena Penetrazione
FPWB	Welded Bonnet Full Penetration	Coperchio Saldato Piena Penetrazione
IS	Inside Screw	Vite Interna
L.G.	Large Groove	Incastro femmina largo
MF	Male - Extended Body	Maschio - Femmina
NEED - INT	Integral Needle	Spillo Integrato
NEED - LOO	Loose Needle	Spillo Snodato
NPT	Threaded	Filettato
OS & Y	Outside Screw & Yoke	Vite Esterna
RB	Reduced Port	Passaggio Ridotto
RF SM. F	Raised Faced Smooth Finish	Faccia con Rialzo Finitura Liscia
RF ST. F	Raised Faced Stock Finish	Faccia con Rialzo Finit. Fonograf. o Concantr.
RJ	Ring Joint	Anello di Giunzione
SM. GR.	Small Groove	Incastro femmina stretto
SW	Socket Weld	Testa a Saldare
SWB	Seal Welded Bonnet	Coperchio filettato con saldatura di sigillo
WB	Welded Bonnet	Coperchio Saldato
WFLG	Welded Flanges	Flange Saldate
*	Stellited	Stellitato



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

SEDE LEGALE
Via A. Volta, n° 4
38100 Bolzano (ITALY)

HEAD OFFICE - FORGED VALVE PLANT
Via Torricelli, 7014 - 41013 Albano di Montebello (MO) Italy
Tel. 059/204.111 - Telex 320071

TEST CERTIFICATE (DECLARATION OF CONFIDENCE)

N. 5626/03

F 3 OF 5

CUSTOMER

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2,400
28806 ALCALA DE HENARES
SPAIN

YOUR PURCHASE ORDER NO.

3697

OUR JOB NO.

030408

REMARKS:

DATE

25.02.03

PARTIAL ORDER

☒ BALANCE ORDER

REMARKS:

030408

TEST

☒ PSI

HYDROSTATIC

SEATS

SEATS

3960

MATERIAL TESTED

Q.TY

PART. N.

DESCRIPTION

2 188162

PISTON CHECK VALVE BB FB

9H 407A/T SW

1 1/2" F321-H/F316-L 1500 LBS

RV650

COMPONENT KEY VAR 66416584

MAT.NO. 1049779

COMPONENT

HEAT CODE/MATERIAL

HEAT NR./SUPPLIER

BODY

SRR F321-H

408647 VALBRUNA

BONNET

SRR F321-H

408647 VALBRUNA

CHEMICAL ANALYSIS

TENSILE

YIELD

ELONGATION

IMPACT

TEST

3 JOULE

2 JOULE

1 JOULE

TEST. TEMP

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TI

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MECHANICAL PROPERTIES

TENSILE

YIELD

ELONGATION

IMPACT

TEST

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TEST. TEMP

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CHEMICAL ANALYSIS

TENSILE

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CHEMICAL ANALYSIS

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CHEMICAL ANALYSIS

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CHEMICAL ANALYSIS

TENSILE

YIELD

ELONGATION

IMPACT

TEST

3 JOULE

2 JOULE

1 JOULE

TEST. TEMP



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

SEDE LEGALE
via A. Volta, n° 9
39100 Bolzano (ITALY)

HEAD OFFICE - FORGED VALVE PLANT
via Torricelli 70/4 - 39001 Alandro di Alandro (BO) Italy
phone +39 0471 820001

TEST CERTIFICATE (DECLARATION OF CONFIRMITY)

N. 5626/03

F

5 OF 5

CUSTOMER

2202

CUNADO INTERNACIONAL, S.A.
CTRA. DE DAGANZO KM. 2,400
28806 ALCALA DE HENARES
SPAIN

YOUR PURCHASE ORDER NO.

3697

DATE

25.02.03

PARTIAL ORDER

☒ BALANCE ORDER

OUR JOB NO.

030408

REMARKS:

MATERIAL TESTED

Q.TY PART. N. DESCRIPTION

HAVE BEEN MANUFACTURED IN ACCORDANCE WITH
CONFORMITY ASSESSMENT MODULE H AS APPROVED BY
DET NORSKE VERITAS (COD.0434)
OF VERITASVEIEN 1, 1322 HOVIK, NORWAY.

CATEGORY :III

FLUID GROUP :I

APPLICABLE STDS.(MANUFACTURING) : ANSI B16.34,
API 602, BS 5352 & CUSTOMER SPECIFICATIONS.

APPLICABLE STDS.(TESTING) : API 598, BS 6755,
DIN 3230 & CUSTOMER SPECIFICATIONS.

OTHERS APPLICATION DIRECTIVES : 93/68/EEC

EC DECLARATION OF CONFORMITY

B.F.E. SPA,VIA TONALE 70/A,ALBANO S.A.(BG) ITALY
DECLARE THAT UNDER OUR SOLE RESPONSIBILITY THAT
THE PRODUCTS DETAILED ABOVE HAS BEEN MANUFACTU-
RED ACCORDING TO SOUND ENGINEERING PRACTICE IN
AN ENVIRONMENT ASSESSED AND CERTIFIED TO MODULE
H OF THE PRESSURE EQUIPMENT DIRECTIVE 97/23/CE,
AND MEETS THE REQUIREMENTS OF THE PED ACCORDING

TEST RESULT

HYDROSTATIC AND
PNEUMATIC TEST:

SATISFACTORY

THIRD AUTHORITY

CLIENT INSPECTOR

[Signature]

DATE

29/7/03

INSPECTION DEPT.

B.F.E. S.p.a.
BONNEY FORGE VALVE LICENSEE
C.A.D.C. Dip

DATE

8-10-03
E. AZZOLA

CHEMICAL ANALYSIS

MECHANICAL PROPERTIES

TENSILE N/mm2 YELD N/mm2 ELONGATION RED. OF AREA % IMPACT TEST 1 JOULE 2 JOULE 3 JOULE TEST TEMP °C HARDNESS HB C.E.

☒ API 598
☒ BS 6755
EN 10204 3.1.B

GENERAL SALES CONDITION

WARRANTY

All B.F.E. products are warranted to be free from manufacturing defects for a period of one (1) year from date of shipment, and any found to be defective within that period will be replaced without charge, provided (1) that the product was used as recommended and in accordance with approved installation and operating practices, (2) that its failure resulted from a manufacturing defect and not from damage due to corrosive, abrasive, or other wear normally to be expected in the services involved, (3) that the product was not modified or changed (unless written approval was given by B.F.E.) and (4) that written notice of such defect is delivered to B.F.E. during such one (1) year period. No labor cost or other expense or liability will be assumed.

PARTIAL SHIPMENT AND PAYMENTS

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All promises of shipments from are estimated as closely as possible, and we will use our best effort to ship within the time promised but do not guarantee to do so, and assume no liability for not doing so. Materials stated to be in stock are subject to prior sale.

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PATENTS

The Purchaser will indemnify and hold harmless B.F.E. against and from any claims, costs (including attorneys fees) and liabilities arising out of any suit alleging infringement of any United States patent by any product supplied by B.F.E. under the contract and made in accordance with the design and/or specification furnished by the Purchaser to B.F.E.

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CLAIMS AND ORDER CANCELLATIONS

Claims will be considered only if made in writing 10 days from receipt of goods. Partial or complete cancellations of order can be accepted only upon previous agreement or by written consent and, in no case later than 15 days from order date.

Any claims or disputes will be referred to the Court of Bergamo.

CONDIZIONI GENERALI DI VENDITA

VALIDITA' DELL'OFFERTA

La merce è sempre resa "Franco Fabbrica", salvo patto contrario.

CONSEGNA MATERIALI

La B.F.E. s.p.a. non assume alcuna responsabilità per ritardi nelle consegne che s'intendono sempre indicative e non vincolanti. I rischi dovuti al trasporto della merce sono a carico del destinatario anche nel caso che la spedizione sia effettuata in porto franco.

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FORGED VALVE

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BW	Butt Weld	Saldatura di testa
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FB	Full Port	Passaggio Pieno
FF SM: F	Flat Face Smooth Finish	Faccia Piana Finitura Liscia
FF ST: F	Flat Face Stock Finish	Faccia Piana Finitura Fonografica o Concentr.
FLG	Integral Flanges	Flange Integrali
FP	Full Penetration	Piena Penetrazione
FPWB	Welded Bonnet Full Penetration	Coperchio Saldato Piena Penetrazione
IS	Inside Screw	Vite Interne
L.G.	Large Groove	Incastro femmina largo
MF	Male - Extended Body	Maschio - Femmina
NEED - INT	Integral Needle	Spillo Integrale
NEED - LOO	Loose Needle	Spillo Snodato
NPT	Threaded	Filettato
OS & Y	Outside Screw & Yoke	Vite Esterne
RB	Reduced Port	Passaggio Ridotto
RF SM: F	Raised Faced Smooth Finish	Faccia con Rialzo Finitura Liscia
RF ST: F	Raised Faced Stock Finish	Faccia con Rialzo Finit. Fonograf. o Concentr.
RJ	Ring Joint	Anello di Giunzione
SM: GR.	Small Groove	Incastro femmina stretto
SW	Socket Weld	Teca a Saldare
SWB	Seat Welded Bonnet	Coperchio filettato con saldatura di sigillo
WB	Welded Bonnet	Coperchio Saldato
WFLG	Welded Flanges	Flange Saldate
*	Stallited	Stellitato