

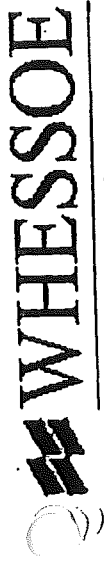
## CHAPTER 7

### SPECIFIC EQUIPMENTS

#### - 7.3: OUTER CASING SAFETY DEVICES

7.3.1: safety Vent      WHESOE 4210A-20"

Item Z 62001



VAPOUR CONTROL

Sharp Street, Worsley, Manchester, M28 3NA

TEL : 0161 790 7741 FAX : 0161 703 1847

## FUNCTIONAL TEST CERTIFICATE.

DATE: 07/07/05

TESTED BY: *[Signature]*

WITNESSED BY: *[Signature]*

Q.A. CHECKED *[Signature]*

CUSTOMER TYCO VALVES + CONTROLS  
FRANCE.

CUSTOMER REF: S3038851

W.V.C. REF: 327835

ITEM	SIZE	FIG NO	DESCRIPTION	QTY	SERIAL NO	TAG NO	AIR/HYDRO	ACTUAL SET PRESSURE	NAMEPLATE	ACTUAL SET VACUUM	NAMEPLATE
002	20"	4210A	Manway	1	S282483	783-02-Z62001	—	104mm H2O	10mbar	—	—
002	20"	4210A	Manway	+	S282484	783-102-Z72001	—	103mm H2O	10mbar	—	—
HEAT NUMBERS											
BODY/SIDE PLATE	COVER/END-PLATE	COVER PLATE/CAP	SEAT-RING/HOOP	SPRING-BONNET/BASE	TESTED ON GAUGE NO.	TESTED ON WATER	SETTING WEIGHTS				
	CH065/4		P12430	86344		✓	DIAMETER	THICKNESS	WEIGHT		
	CH065/4		P12430	86344		✓					

TESTED IN ACCORDANCE WITH OUR SPECIFICATION ES/WHESOE/0/00

1750051060326  
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S.C. ALPROM S.A. SLATINA	CERTIFIED SRAC-IQNet ISO 9001/2000 No. 22/2-2002	WEIGHT/ ANALYSIS CERTIFICATE	EN 10204 3.1.B	No. 805
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CUSTOMER : STAHL METALL GMBH

CONTRACT/ORDER : 21053

BILL OF DELIVERY : 84536

TRUCK/CONTAINER : C 4776 KP/CO 0770 EK

MATERIAL : ALUMINIUM PLATES  
 ALLOY : PLATES 5083 ALLOY  
 DIMENSIONS (mm) : CH065/4 12.7X1500X3000  
 CH078/4 25.4X1500X3000

TEMPER: F111

P.P. Plasma Ltd  
 Verified true copy of the  
 original certificate

ACCORDING TO : EN 485-515-573

MECHANICAL PROPERTIES			1 MPa = 1 N/mm2 = 0.915 kgf/cm2 = 0.0112 kgf/mm2							
1 lbs = 0.4536 kg			Rm		Rp0.2		Elong. %	Hardness		
			MPa		MPa		50mm	HB		
			min.	max.	min.	max.	min.	min.		
Specified values:			275	350	125		15	75		
LOT	CASE	NET WEIGHT kg	Measured values:							
CH065/4	544;545	2041	277		149		29	75		
			282		152		28	79		
CH078/4	551;552	1858	294		210		21	85		
			296		221		20	85		
CHEMICAL COMPOSITION %										
LOT	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ni	TI	Al
CH065/4	0.22	0.4	0.029	0.42	4.25	0.075	0.019	0.003	0.008	REM.
CH078/4	0.22	0.38	0.03	0.49	4.62	0.11	0.019	0.003	0.008	REM.
Min.				0.4	4	0.05				REM.
Max.	0.4	0.4	0.1	1	4.9	0.25	0.25	0.05	0.15	
Cond.			Others Each: 0.05				Others Total: 0.15			

REMARKS: L/C -ESSA V0400 99196 C1

We hereby certify that the material detailed herein has been produced and tested according to the requirements of the relevant specification and/or order. Keep in dry conditions, without large temperatures variations.

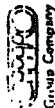
Date: QUALITY CONTROL DEPT:

2/4/2005

cod P-PS-08-04/3 Rev.3

S.C. ALPROM S.A.  
 SLATINA  
 C.T.C. Laboratoire

S.C. ALPROM S.A.  
 E.T.C.  
 31



# CAPARO MERCHANT BAR PLC

IN ACCORDANCE WITH EN10204 3.10

Caparo House, P.O. Box 15, Scunthorpe, South Humberside DN16 1XL

## CUSTOMER

BARRETT STEEL LIMITED T/A  
C ROBERTS STEEL SERVICES  
MANCHESTER LTD  
LONGWOOD ROAD  
TRAFFORD PARK  
MANCHESTER  
-M171PZ

## INSPECTION

## CERTIFICATE OF TEST

CMB No. 504801 ADVISE 32815 CUST No. M031611

## SPECIFICATION

EN10025 S275JR  
T/CERTS TO DIN 50049/3.1.B

Gauge Length 5.65 / 50  
Charpy size 1 A=10X10X2mmV B=10X7.5X2mmV C=10X5X2mmV

Item No.	Section	Length (mm)	Cast	Bundles	Bars	YS (N/mm <sup>2</sup> )	TS (N/mm <sup>2</sup> )	EL %	Charpy Impact Results			Ladle Analysis %					
									J	at	°C	C	Si	Mn	P	S	N
1	130 8.00 FLATS	6200	P12430	43730	46	291	441	38				.13	.190	0.57	.016	.006	.006
4	30 10.00 FLATS	6200	P33036	T3439	150	321	470	36				.15	.190	0.59	.014	.008	.007
5	40 10.00 FLATS	6200	52511	T5458	119	290	438	38				.15	.180	0.66	.022	.012	.003

Notified that the whole of the supplies detailed hereon have been inspected, tested, and found to conform in all respects with the contract or order.



on behalf of C.M.B.

*Handwritten signature and date 10.11.84*

DATE - 4

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3/16/11

11/11/84/1

# INSPECTION CERTIFICATE

Corvus UK Limited

Corvus Construction's commitment to quality



Corvus UK Limited  
100, The Quadrant, London, E1 1BB

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On behalf of Corvus UK Limited, the manufacturer,  
These results are certified by Corvus UK Limited and comply  
with the requirements of the Product Description.

21

067R/09/020

RO 4th

R.P. Longman, Test House Manager, Stenbury

AS

Any recipient of a copy of a Corvus UK Limited Inspection Certificate

All original Inspection Certificates issued by Corvus UK Limited will contain either an embossed seal, or be accompanied with a Corvus UK Limited seal and comply without either the seal or watermarking should ensure from the supplier that it is a true and accurate reproduction of the original.

1007/020

**EC Declaration of Conformity to:**  
**Pressure Equipment Directive 97/23/EC, 29<sup>th</sup> May 1999.**  
**ATEX 100A Directive, 94/9/EC, 23<sup>rd</sup> March 1994,**  
**Potentially Explosive Atmosphere.**

**Name and Address of Manufacturer within the European Community:**

Safety Systems UK Ltd      Tele: (0) 161 790 7741  
Sharp Street                      Fax: (0) 161 799 4335  
Worsley  
Manchester  
M28 3NA  
United Kingdom

**Description of Equipment:**                      *WHESOE Emergency Relief Vent Valves.*

**Declaration to the PED:**

*We declare that types, 4210A, are in compliance with the provisions of 97/23/EC Directive when applicable.*

*Category IV, assessment modules B+D to the Pressure Equipment Directive.*

**Name and Address of Notified Body which carried out the Production Quality Assessment and who monitors the Manufacturers Q A System to the PED.**

*Lloyd's Register of Shipping, 71 Fenchurch Street London EC3M 4BS (0038)*

**EC Certificate of Conformity:**

*LRQ 080343A*

**EC Type Examination Certificate:**

**Declaration to ATEX.**

*We declare that WHESOE Emergency relief Vent Valves and non relieving gauge hatches, types, 4210A, 5071A, 5072A, are in accordance with the provisions of 94/9/EC Directive and are intended for use as equipment group II category 1 and have been manufactured according to conformity assessment Annex IV.*

**Conformity Assessment Procedure followed:**      *Annex III of the Directive*

**Name and Address of Notified Body which carried out the Production Quality Assessment and who monitors the Manufacturers Q A System to ATEX.**

*SIRA Test and Certification Ltd, Rake Lane, Ecclestone, Chester, CH4 9JN.*

**EC Certificate of Conformity:**

*SIRA03ATEXM256*

**EC Type Examination Certificate:**

*SIRA03ATEX9321X*

**References of Harmonised Standards used:**

*BSEN13463-1:2001, 1127-1:1998*

**References of other Technical Standards and Specifications used:**

*None*

**Authorised Person for the Manufacturer within the European Community:**

**Signed:**



**Name:** David Ashurst.

**Title:** Quality Manager.

**Date:** 4 Sep 03

DoC034\_WHESOE\_PV