

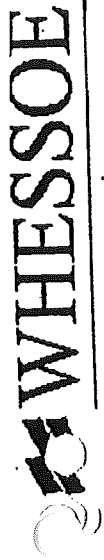
CHAPTER 7

SPECIFIC EQUIPMENTS

- 7.3: OUTER CASING SAFETY DEVICES

7.3.1: safety Vent WHESOE 4210A-20"

Item Z 72001



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]*

W.V.C. REF: 327835

CUSTOMER REF: S3038851

CUSTOMER TYCO VALVES + CONTROLS FRANCE.

ITEM	SIZE	FIG NO	DESCRIPTION	QTY	SERIAL NO	TAG NO	AIR/HYDRO	ACTUAL SET PRESSURE	NAMEPLATE	ACTUAL SET VACUUM	NAMEPLATE
002	20"	4210A	MADWAY	1	S282483	783-02-Z62001	—	104mm H ₂ O	10mbar	—	—
002	20"	4210A	MADWAY	1	S282484	783-102-Z72001	—	103mm H ₂ O	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		
							DIAMETER	THICKNESS	WEIGHT
	CH065/4		P12430	86344		✓			
	CH065/4		P12430	86344		✓			

TESTED IN ACCORDANCE WITH OUR SPECIFICATION ESWHESOE/0100

175045/060326
 Jeyaraj

S.C. ALPROM S.A. SLATINA	CERTIFIED SRAC-IONet ISO 9001/2000 No. 23/2-2002	WEIGHT? ANALYSIS CERTIFICATE	EN 10204 3.1.B	No. 805
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CUSTOMER : STAHLX 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

ACCORDING TO : EN 485 - 515 - 573

TEMPER. 511
 P.P. Plasma Ltd
 Verified true copy of the
 original certificate

MECHANICAL PROPERTIES			1 MPa = 1 N/mm2 = 0.001 kg/mm2							
1 lbs = 0.4536 kg			Rm		Rp0.2		Elong. %	Hardness		
			MPa		MPa		50mm	HB		
Specified values:			min.	max.	min.	max.	min.	min.		
			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		

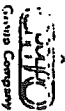
REMARKS: L/C - ESSA V04UD 99198 01

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 temperature variations.

Date: 2/4/2005
 QUALITY CONTROL DEPT.
 cod P-FS-06-04/3 Rev.5

S.C. ALPROM S.A.
 SLATINA
 C.I.C. Laboratoire

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



CAPARO MERCHANT BAR PLC

IN ACCORDANCE WITH EN10204 3.1B

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

DATE: 11/11/84 / 1 M31611

CMB 504801 ADVISE 32815 CUST No M031611

SPECIFICATION

EN10025 S275JR

T/CERTS TO DIN 50049/3.1.B

Grade Length 5.65 / 50

Charpy size 1 A=10X10X2mmV B=10X7.5X2mmV C=10X5X2mmV

Item No.	Section	Length (mm)	Cast	Bundles	Bars (N/mm ²)	VS (N/mm ²)	TS (N/mm ²)	EL %	Charpy Impact Results		Ladle Analysis %					
									at	°C	C	S1	Mn	P	S	N
1	130 8.00 FLATS	6200	P12430	43730	46	291	441	38			.15	.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

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

Quality control arrangements extended in respect of these supplies have been provided

on behalf of C.M.B.



11/11/84

EC Declaration of Conformity to:
Pressure Equipment Directive 97/23/EC, 29th May 1999.
ATEX 100A Directive, 94/9/EC, 23rd 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 I 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, Eccleston, 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