

# **BE<sup>®</sup> Bonut Engineering Ltd**

## **T/A DEREVE<sup>®</sup> Valves**

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### **DECLARATION OF CONFORMITY**

#### **The Pressure Equipment Directive (2014/68/EU)**

#### **DESCRIPTION OF PRESSURE EQUIPMENT**

Setting	Qty	Batch and Cert No	Description
Set at 11.2 Bar	2	Batch 5634/17508 DC 20052	DF61 1/2" DN15 Atmos Dis Safety Valve Ball Pull
Product No.	Customer		Customer Order No.
6100/15/J/11.0	Duncan Rogers (Engineering) Ltd		401762

#### **Additional Info:**

THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER  
 THE ESSENTIAL REQUIREMENTS OF THE PRESSURE EQUIPMENT DIRECTIVE (2014/68/EU) SET OUT IN ANNEX 1  
 HAVE BEEN FULFILLED

**BONUT ENGINEERING Ltd. T/A DEREVE**  
 THE CONFORMITY ASSESSMENT PROCEDURE FOLLOWED MODULE B+D  
 CERT NOs: (MODULE B) PTC20.09822.5120 + (MODULE D) PTC21.00084.5120  
 THE NOTIFIED BODY MONITORING THE MANUFACTURER'S QUALITY ASSURANCE SCHEME IS:

SGS Portugal S.A.  
 Industrial Services  
 Pólo Tecnológico de Lisboa  
 Rua Cupertino Miranda, Lt 6, Piso 0 e 1  
 1600-546 Lisboa - Portugal

MANUFACTURING STANDARD BS6759:1984 PART 1 & 2

REFERENCES TO HARMONISED STANDARDS WHERE USED

AUTHORISED PERSON FOR THE MANUFACTURER,  
 BONUT ENGINEERING Ltd. T/A DEREVE

SIGNATURE:



NAME: B. Travis  
 TITLE: Managing Director

**CE** 1155



Cert No. 9027  
 ISO 9001  
 ISO 14001

DATE OF ISSUE: 20/09/2022 10:07

Directors: B.T. Travis, A.J. Ditchfield Registered No. 883368 Registered Office as above. VAT No. 158 8671 16

**Batch: 5634**

Holme Dodsworth Metals Ltd - Customer: - Ref: -CE059027/1 -CE059027 - Cast No.: 1 Z 9458



Walcownia Metali  
"DZIEDZICE" S.A.  
43-502 Czechowice-Dziedzice  
ul. Kaniowska 3

**INSPECTION CERTIFICATE 3.1**

EN 10204

Certificate No  
**C4953M/1-1-1**

<u>Delivery address</u>	Holme Dodsworth Metals Newcastle 59-69 Heaton Park Rd Newcastle Upon Tyne NE6 1SQ	<u>Purchaser</u>	HOLME DODSWORTH METALS LIMITED Butter Hous, Commercial Road West Midlans, WS2 7NQ											
<u>Order No</u>	C4953M	<u>Purchase Order No</u>	N-P075413											
<u>Our contract No</u>		<u>Other indications</u>												
<b>Order Specification</b>														
<u>Object of inspection</u>	Rods/Drawn/Hexagonal/Section													
<u>Designation</u>	BrassRodsCW614N R430 HEX 1.000" x 3000	<u>Additional requirements</u>												
Alloy:	CW614N	<b>Dimensions [mm]:</b>												
Chemical standard:	EN 12164	OD (width)	25.4											
Temper:	R430- wg EN 12164	Thickness												
Mechanical standard:		Dimensions-long	3000											
Tolerance standard:	EN 12164													
<b>Chemical composition [%]:</b>														
	MIN	MAX	RESULT	NORM	UM	MIN	MAX	RESULT						
Cu	57.0	59.0	58,5	THERMALLY STRESS RELIEVED										
Pb	2.5	3.5	2.9											
Zn			REM											
Fe	0.0	0.3	0.2											
Sn	0.0	0.3	0.2											
Al	0.00	0.05	0.00											
Ni	0.0	0.3	0.0											
OTHERS TOTAL	0.0	0.2	0.0											
<b>Mechanical properties:</b>														
HB		HV							RM [MPa]		RP02 [MPa]		A [%]	
Min	Max	Result	Min	Max	Result	Min	Max	Result	Min	Max	Result			
-	-	136				430	-	480	220	-	328	10	-	22
HV1		A11,3 [%]		A10 [%]		A200 [%]		A5 [%]						
Min	Max	Result	Min	Max	Result	Min	Max	Result	Min	Max	Result			
<b>Packing</b>														
Pieces	[szt. pcs]	Casses	[szt. pcs]	Nett Weight	[kg]	Marking								
		3		1 524,00										
<b>Comments</b>														
Surface and the dimensions had been tested and were found to comply with the order				Material melted and manufactured in Poland										
<u>Comments</u>				1 Z 9458										
Based on the strength and technological tests it was concluded that the material has been made in accordance with the terms of the contract and RoHS III Directive no. UE 2015/863				Kierownik Zespołu Laboratoryjnego Paweł Rodak										
The manufacturer owns a Company Management System, that meets the requirements of ISO 9001 and ISO 14001 standards														
				This certificate is signed by head of the laboratory team Paweł Rodak										

These instructions cover the **DEREVE DF60, DF61, DF62, DF63, DF65 and DF67** range of valves. It is important that the valve is selected, in all respects, for the application: material, type, size and set pressure. It is recommended that there is a margin of at least 10% between the operating pressure and the set pressure. When a side outlet type valve is used it is essential that the back pressure created at full flow does not exceed 10% of the set pressure. Installation must be carried out to good engineering practise; it must be ensured that the Health and Safety at Work Act is not contravened.

## INSTALLATION

Care must be taken to ensure that valves are stored in a clean and moderate temperature environment. If covers are fitted to the inlet they should not be removed until just prior to fitting, if covers are not fitted the inside of the valve must be cleared of any foreign matter. Always use the hexagon part of the valve base when screwing the valve into its operating position. Inlet pipe work should be capable of supporting the valve in its operating condition and not transmitting unacceptable vibration or strain to the valve.

Cleanliness of all pipework or units upstream of the valve is essential as foreign matter introduced into the valve can damage seating and operating mechanisms. Sealing compounds and PTFE tape must be used in such a way that they cannot be carried into the valve. Atmospheric discharge holes must not be blocked in anyway either through installation or operating conditions. Initial sitting of the valve should be such that atmospheric discharge will not cause a hazard to personnel. Outlet pipework screwed into side outlet type valves must not come into contact with any internal components of the valve and must be open to atmosphere without restriction.

It is recommended that Dereve Safety Valves are mounted vertically. However, whilst the valves will work satisfactorily in the horizontal position, the wear on the valve mechanism could be impaired and so we would recommend shorter periods between checking and testing in this situation. In all cases the key factor is that the outlet holes or discharge port must not be blocked or restricted due to the mounting position. In the case of side outlet valves in particular, the side outlet port must be positioned horizontally or preferably vertically downwards to prevent debris lodging in the port and keep the outlet path clear. Care must also be taken to ensure that any possible discharge from the valve could not cause injury to operatives or others in the area.

## MAINTENANCE

Regular inspection of valves is essential to maintain operational efficiency. It is recommended that free movement of the mechanism on valves fitted with easing gear be checked every twelve months by raising the valve lifting ring or knob. During this test, the valve should be under a pressure of at least 75% of the set pressure. The easing gear is not designed to lift the valve when it is not under pressure. Check that the atmospheric discharge valve holes are free of any foreign matter. When apparatus associated with the valve has safety checks the opportunity should be taken to check the set pressure, resetting pressure, and discharge flow of the valve. It is recommended that examination of valve seats or discs and resetting or changing the setting pressure should only be carried out at our works. Safety valves supplied without easing gear should be checked every 12 months for correct function and test of set pressure, full flow and re-seat pressures. Ideally the valve should be removed from the system and tested on specific test equipment or returned to the manufacturer for checking.



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