

CERTIFICATE

Conformity to type - Module C1

Certificate No: 2.3.13/C1/011

Name of manufacturer:	Eko Air, SIA
Legal address:	11A Ūnijas Street, Rīga, LV-1039, Latvia
Address of manufacturing plant:	30D Miera Street, Salaspils, LV-2169, Latvia
Description of pressure equipment: Type:	Stainless steel brazed plate heat exchangers LB534; LB535; LB536; LB537; LB538; LB754; LB756; LB758
Category:	III
Maximum allowable pressure, bar:	16.0
Maximum allowable temperature, °C:	-200...+200
Fluid group:	I; II
Drawing No:	LB000.000.00; LB75x.000.00
Test report No:	2.3.13/C1/011-PZ
Certificate No. of EC Type-Examination:	2.3.13/B/010

We hereby certify, that the pressure equipment mentioned above are manufactured in accordance with the essential safety requirements of the Pressure Equipment Directive 97/23/EC and Regulations of the Cabinet of Ministers of the Republic of Latvia No 165 of 2 May 2000 „Regulations regarding Pressure Equipment and Assemblies thereof”.

Standards applied: EN13445-3; EN13445-5; EN10028-7

On the basis of tests the manufacturer has to affix CE marking to each item of pressure equipment within the framework of this module as follows:

CE 1407

Test report and the conditions for the use of the certificate are integral part of the certificate.

Date of issue: **04 June 2013**

Engineer:



Aleksandrs Braslis



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Test report

Conformity to type with monitoring of the final assessment							
Module:	A1	B	B1	C1	F	G	Test report No: 2.3.13/C1/011-PZ
Manufacturer: "Eko Air" SIA				Address of manufacturing plant: 30D Miera Street, Salaspils, LV-2169, Latvia			

TECHNICAL DATA – ALL MENTIONED TYPES OF HEAT EXCHANGERS ARE UNITED IN A SINGLE CERTIFICATION GROUP		
Type of heat exchanger	LB534; LB535; LB536; LB537; LB538	LB754; LB756; LB758
Maximum number of plates	140	200
Maximum volume, L	16,38	52,14
Maximum allowable pressure, bar:	16,0	16,0
Maximum/minimum allowable temperature, °C:	+200/-200	+200/-200
Fluid group (features)	I, II (liquids, gases)	I, II (liquids, gases)

MANUFACTURED ACCORDING TO THE FOLLOWING DIRECTIVE AND STANDARDS:
Directive 97/23/EC (Pressure equipment)
Regulations of the Cabinet of Ministers of the Republic of Latvia No 165 of 2 May 2000 „Regulations regarding Pressure Equipment and Assemblies thereof”
EN 13445-3:2009 Unfired pressure vessels - Part 3: Design
EN 13445-5:2009 Unfired pressure vessels - Part 5: Inspection and testing
EN 10028-7:2008 Flat products made of steels for pressure purposes - Part 7: Stainless steels

CONFORMITY TO TYPE WITH MONITORING OF THE FINAL ASSESSMENT:			
Conformity of the documentation with laws and regulations:	Acceptable	Not acceptable	
Conformity of the pressure equipment with the design No: LB000.000.00; LB75x.000.00	Acceptable	Not acceptable	
Traceability of the materials used (certificates)	Acceptable	Not acceptable	
Marking of equipment	Acceptable	Not acceptable	
Draft declaration of conformity	Acceptable	Not acceptable	

Heat exchanger:	LB538 H20 serial No 1403130048		LB758 H100 serial No 0705130100	
	1st channel	2nd channel	1st channel	2nd channel
Visual inspection	accept.	accept.	accept.	accept.
Dimensional check	accept.	accept.	accept.	accept.
Test pressure, bar	28,4	28,4	28,4	28,4
Test medium	air	air	air	air
Visual inspection after pressure test	accept.	accept.	accept.	accept.
Date of testing	21.03.2013		8.05.2013	

Conclusion: The mentioned tests were performed in accordance with the regulatory requirements. Requirements of Directive 97/23/EC and Regulations of the Cabinet of Ministers No 165 of 2 May 2000 "Regulations regarding Pressure Equipment and Assemblies thereof" have been met.
After the award of the certificate each pressure equipment shall be marked with the **CE** marking accompanied by the identification number of the notified body "LRTDEA" TUV Rheinland Group **1407**.

Notes:

1. The test results relate exclusively to the described test object. Partial reproduction of and extraction from the test report without a written authorization are not permitted.
2. The final assessment of the pressure equipment shall be made by the manufacturer, who, by the use of the method of unexpected visits (at least once a year) shall be supervised by the notified body selected by the manufacturer.

Appendices: -----

Place: Riga

Date: 03/06/2013

**"LRTDEA" TUV Rheinland Group
Centre of Production Certification**

The test has been performed and
the report has been drawn up by:



Jānis Gurtiņš

Notified body No1407

The certification data will be stored in the archive of the Centre of Product Certification of "LRTDEA" TUV Rheinland Group.
Data protection guaranteed.