

## EU Declaration of Conformity

**ELGI**  
Always Better.

We, ELGI EQUIPMENTS LIMITED, declare under sole responsibility that the following described product in our delivered version complies with the appropriate basic safety and health requirements of the

- Machinery Directive - 2006/42/EC
- Low Voltage Directive - 2014/35/EU
- EMC Directive - 2014/30/EU

Based on its design and type, as brought into circulation by us. In case of alteration of the product, not agreed upon by us, this declaration will lose its validity.

Description of the Product: - ELECTRIC POWERED WATER INJECTED OIL FREE SCREW AIR COMPRESSOR  
AB (kW:5,11,15,18,22,30,37,45,55,75,90,& 110)

Model : **AB15-10V**  
Serial number : **UVES049134**  
Year of construction : **2022**  
Certificate number : **CE/2021-22/050**

Applicable Harmonized Standards : Under Machinery Directive

1. EN1012-1: 2010 Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors
2. EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction.
3. EN 60204-1:2018 : Safety of machinery, Electrical equipment for machines.  
Part 1: General requirements
4. EN ISO 13849-1:2015 Safety of machinery - Safety-related parts of control systems,  
Part 1: General principles for design
5. EN 61000-6-2 :2019 Electromagnetic compatibility (EMC) -  
Part 6-4: Generic standards - Emission standard for industrial environment
6. EN 61000-6-4:2019 Electromagnetic compatibility (EMC) -  
Part 6-2: Generic standards - Immunity for industrial environments

Company Name: ELGI EQUIPMENTS LTD  
Company Seal:



Signature:

(Sundarrajan.P)  
Quality/Vice President  
Title/Designation:

Date:  
10-08-2022

The technical file for the above product will be available at :  
Rotair S.p.A.  
Via Bernezzo 67  
12023 - Caraglio - ITALY  
Rotair representative: Donadio Giuseppe

### ELGI EQUIPMENTS LIMITED

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# PROCESS ENGINEERING EQUIPMENTS

## PRESSURE TEST REPORT

DOKUMENTACJA  
POWYKONAWCZA

Report No.: PEE/ AB2-016/Hydro/01	Testing Date : 18.04.2022
Job No / Model No.	P110 / AB2 (EUROPE)
Construction Code	ASME SEC VIII Div 1 Ed 2019 + PED 2014/68/EU
Item Description	WI SEPARATOR TANK
Drawing No./ SL.No	411301017 REV. R00 / AB2-016 ✓
Test Procedure No	PEE/PRESSURE/01 REV.04
Internal Maximum Allowable Working Pressure	1.5 MPa (g) (15.296 kgf/cm <sup>2</sup> (g))
Internal Design Pressure	1.5 MPa (g) (15.296 kgf/cm <sup>2</sup> (g))
Required Test Pressure	2.45 MPa (g) / 25 kgf/cm <sup>2</sup> (g) / 24.5 Bar (g)
Actual Test Pressure	25 kgf/cm <sup>2</sup> (g) ✓
Test medium	Potable Water
Test duration	30 Minutes ✓
Test Temperature	32°C (Observed Metal Temperature)
Operating Test Gas in case of Pneumatic Test.	----
Test Position	Vertical
Third Party / Client	ELGI EQUIPMENTS LIMITED

### Pressure Gauge Details


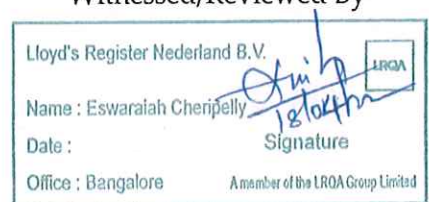
Gauge No	Range	Calibration date	Calibration due date
PEE/PG26	0 - 42 kg/cm <sup>2</sup>	12-Mar-2022	11-Sep-2022
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### Circumferential Measurement:

Shell Course / belt	Before pressurization	At Test Pressure	On complete release of pressure.
N/A	N/A	N/A	N/A

Details of leakages, if any : No Pressure Drops Or Leakage Observed.


Test: Satisfactory / ~~Unsatisfactory~~

Inspected By  18/04/2022 QEE / QCI	Witnessed/Reviewed By <i>Witnessed &amp; Accepted</i>  NoBo / CLIENT
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document id: 14D\_BAR14.5\_LOT 17415\_2022\_category IV

reference: 210100461\_2217202780

(1) EU DECLARATION OF CONFORMITY (Annex IV 2014/68/EU Directive)			
<b>A</b>	<b>(2) Description and data</b>		
(3) Description	Valvola di sovrapp. CEIV G1/2 CH22 Bar14,5 14D AN.		<b>Notified Body</b>  <b>Bureau Veritas Italia</b> Viale Monza 347, Milano
(4) Type	14D		
(5) Identification number / Batch No.	17415		
(6) Year of manufacture	2022		
(7) Classification	category IV		
<b>B</b>	<b>(8) Technical specifications</b>		
(9) Pressure PS bar	14.5	Tolerance: $\pm 3\%$ Overpressure: $\pm 10\%$	
(10) Maximum temperature TS		90°C (NBR) 150°C (EDPM) 250°C (FKM)	
(11) Minimum temperature TS		-10°C	
(12) Nominal size DN		G 1/2 GAS ISO 228	
(13) Fluid classification		Group 2	
(14) Discharge compressed air at 0°C	NI/min	5607.66666666667	
(15) Back pressure		Atmospheric	
(16) Coefficient of discharge compressed air	kdr	0.313	
(17) Hydraulic test		50 Bar	
<b>C</b>	<b>(18) Conformity assesment procedures</b>		
(19) Module			
(20) Certificates	CE-1370-PED-B-ATH 001-15-ITA CE-1370-PED-D-ATH 001-21-ITA-rev.A		
<b>D</b>	<b>(21) Harmonized and not harmonized technical specifications</b>		
(22) We declare: The safety device as points A, B, C and D is in conformity with the relevant Union harmonisation legislation in according to Annex IV 2014/68/EU Directive and is marked CE.			
(23) Chief Legal Officer	Sig. Alberto Zavarise		
(24) Alonte - VI, (36045)	30/06/2022 11:38:55		

MOD NOS 058 rev.2

ATHENA S.p.A.

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**EU Declaration Of Conformity**

REF NO: PEE/PED/AB2-015-016/DOC/001

**ACCORDING TO ANNEXURE IV OF PRESSURE EQUIPMENT DIRECTIVE (2014/68/EU)**

Name and Address of Manufacturer	:	Process Engineering Equipments, No.109,110 Rajeshwari Layout, Sipcot Post, Hosur - 635126, Tamilnadu, India
Intended Use	:	Air Water Separator Tank - Used for separation of water from compressed air
Internal Maximum Allowable Working Pressure (MAWP)	:	1.5 Mpa (g) / 15.296 kgf/cm2 (g)
Capacity of the vessel (V)	:	32 Litres
Pressure Equipment Directive	:	
Type / Model	:	AB2 (EUROPE)
General Assembly Drawing No / Rev	:	411301017 / R00
Module B (PT) + F Certificate No	:	
Product serial number	:	AB2-015 & AB2-016
Year of manufacturing	:	2022
Hydro Test pressure	:	2.45 Mpa (g) / 25 kgf/cm2 (g) / 24.5 bar (g)
Internal Corrosion Allowance	:	0.5 mm
Minimum and Maximum Design Temperature	:	-8°C & 150°C
Hydro Test date	:	18.04.2022
Conformity procedure followed	:	Category II / Module B (PT) + F
Notified Body	:	Lloyd's Register Nederland B.V
Notified Body's No	:	0343
Harmonized standards used	:	-----
Other Technical specifications	:	ASME SEC VIII DIV 1 ED - 2019 & ASME SEC IX ED - 2019

This vessel has passed all the test and examinations ordered from "Manufacturing Schedules" and their design.

**INSTRUCTIONS FOR USE OF PRESSURE VESSEL**

To ensure operation of pressure vessel under safe conditions, the proper use of same must be guaranteed. To this purpose, the user should follow the below (but not only).

01. The pressure vessel is to be used for the application specified above, in accordance with technical specification. For safety reasons prohibited any other applications
02. Above pressure vessel is designed only for load exerted by internal pressure.
03. No welding operations are to be carried out on pressurized parts of the vessel.
04. No heat treatment of any kind is allowed on the pressure withstanding walls.
05. Suitable measures are to be taken to prevent vessel vibration during operation to avoid fatigue failures and to avoid corrosion on pressure vessel, to be taken care during installation (Example: No rigid connection with floor, the machine frame on oscillating damper).
06. Drain condensate from the vessel daily. The minimum required wall thickness without adding corrosion tolerance and manufacturing tolerance should be 3.5 mm and 3.2mm for shell and dish respectively, this has to be ensured by periodic checking, and if the thickness goes below, the pressure vessel has to be discarded.
07. Do not store the vessels near heating sources, inflammable substances and rooms without ventilation.
08. Tampering and improper use of the vessel is forbidden.
09. Relieve system pressure before working on the vessel.

Place : India

Authorized Signatory

Name: S.NAVIN KUMAR

Process Engineering Equipments

Designation: QCE

Place : India

Authorized Signatory

Name: K.S JAYARAMAN

Process Engineering Equipments

Designation: MANAGING DIRECTOR