EU CERTIFICATE OF CONFORMITY

This is to certify that LRQA Nederland B.V., a Notified Body under the terms of the Pressure Equipment Directive 2014/68/EU, did (in accordance with Module G of the Directive) undertake unit verification on the stated pressure equipment to ensure conformity with the requirements of the Directive which apply. The pressure equipment identified below was shown to comply.

This certificate is issued to:

APPLICANT:	**Jiangyin Raven Thermal Engineering Co., Ltd.** **999-2 YunGu Road, Yunting District, Jiangyin City,** **Jiangsu Province 214422** **People's Republic of China**
PRODUCT DESCRIPTION:	**Gas Cooler Tube Bundle**
PRODUCT TYPE:	**Pressure vessel**
DESIGN STANDARD:	**ASME Section VIII Division 1, ED.2023**

The pressure equipment, Serial Number 24017-1-04 has been designed, manufactured and tested in accordance with the above standard.

As verified by Inspection Certificate No. NTH2568054 IC-01 issued by LRQA Industrial Technical Services (Shanghai) Co., Ltd. on 15 March 2026, the final inspection and proof test in accordance with the requirements of Annex I, Section 3.2 of the Directive were carried out on the above pressure equipment.

The attached Schedule details the content of the Technical Documentation and Specified Standards and shall form part of this certificate.

Certificate No.:	0343/SHA/PED/NTH2568054/04
Original Approval:	20 March 2026
Current Issue:	01
Notified Body No. 0343	

Song Chen on behalf of LRQA Nederland B.V.

LRQA Nederland B.V. (Reg. no. 24247948) is a private limited company registered in the Netherlands with registered office at George Hintzenweg 77, 3068 AX Rotterdam. A subsidiary of LRQA Group Limited.

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CERTIFICATE SCHEDULE
0343/SHA/PED/NTH2568054/04

Equipment Data:

Product Description: **Gas Cooler Tube Bundle**

Product Type: **Pressure vessel**

Maximum Design Pressure: **35 bar(g)**

Capacity / Size: **1070 Litres**

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 2014/68/EU and the following Design Standard(s):

ASME Section VIII Division 1, ED.2023

Technical File Contents

Title	Document Number	Revision/Date
Drawing	240171	0/12 Aug. 2025
Design Calculations	CS-240171-01/0	1
Hazard Analysis	HXT2025-001-00	0
Particular Material Appraisal	Reference to SDAC/2590131-01	0/12 Aug. 2025
Operation Instruction	Operation Instructions for Air Cooler 240171	0/15 April 2025
NDT Report	ZK2025-UTBG-24017-1-04 F/G ZK2025-JYRW-PTBG-24017-1-04 F/G ZK2025-JYRW-RTBG-G25004-013~016	27 September 2025
NDT Personnel Qualification	UT Level 3, Cer. 25/0714/PED RT Level 3, Cer. 25/0713/PED PT Level 3, Cer. 25/0711/PED	Validity period 05-05-2027 Validity period 23-05-2027 Validity period 05-05-2027
Pressure Test Report	Hydrostatic Test Report	29-09-2025
CE Labelling	Copy of Nameplate	10-03-2026
ESR Annex I Checklist	ESRs ASSESSMENT for 240171 Gas Cooler	0/15 April 2025

LRQA Reports

Title	Document Number	Date
Inspection Certificate	NTH2568054/01	15-03-2026
Design Appraisal documents	SDAC/2590131-01 Issue no. 0	12-08-2025

Schedule Issue: 01

Date of Schedule Issue: 20 March 2026

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