



# PRODUCTION SURVEILLANCE CERTIFICATE

Certificate No:  
**PEDA1000000Y**  
Revision No:  
**2**

## This is to certify:

That the final assessment process of

Manufacturer  
**ELWA Elektro-Wärme GmbH & Co. KG**  
**Frauenstrasse 26, 82216 Maisach, Germany**

for  
**Pressure Vessel**

has been monitored and found to comply with respect to the conformity assessment procedure described in Annex III Module A2 of Directive 2014/68/EU on Pressure Equipment.

Further details are given overleaf

This Certificate is valid until **2028-07-01**.

Issued at **Høvik** on **2025-07-02**



for the Notified Body 0575  
**DNV AS**

**Bosman van der Merwe**  
Head of Notified Body

Lack of fulfilment of conditions as set out in the Product Certification Agreement may render this Certificate invalid.  
The digitally signed and electronically distributed document is the original and valid certificate.

DNV AS, Veritasveien 1, 1363 Høvik, Norway. Tlf.: +47 67 57 91 00. Email: [PED@dnv.com](mailto:PED@dnv.com)

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



## Jurisdiction

Application of Directive 2014/68/EU and Norwegian Regulation FOR-2017-10-10-1631 "Forskrift om trykkpåkjent utstyr", as amended, issued by the Norwegian Directorate of Civil Protection and Emergency Planning and by the Petroleum Safety Authority Norway.

## Certificate history

| Revision | Description          | Issue Date |
|----------|----------------------|------------|
| -        | Original certificate | 2017-02-02 |
| 1        | Renewal certificate  | 2022-02-02 |
| 2        | Renewal certificate  | 2025-07-02 |

## Products covered by this Certificate

| Product Name   | Product Description | Unique Product ID/Material type | PED Category | Product Std.                                  |
|--|---------------------|---------------------------------|--------------|---|
| Electric continuous Flow Heater 4600 Pressure vessel | Pressure Vessel     | Type 4600                       | II           | EN ISO 12100-1/-2<br>DIN EN 12828<br>DIN 4753 |
| Electric continuous Flow Heater 4600 Pressure vessel | Pressure Vessel     | Type 4603-46152-V               | II           | EN ISO 12100-1/-2<br>DIN EN 12828<br>DIN 4753 |

## Design Data

| Product Name   | Max. allowable Pressure (PS) | Min. allowable Temperature      | Max. allowable Temperature (TS) | Test Pressure    |
|--|------------------------------|---------------------------------|---------------------------------|------------------|
| Electric continuous Flow Heater 4600 Pressure vessel | 16 bar                       | -196°C for CrNi<br>-10°C for CS | +250°C                          | according to PED |

## Design Data

| Product Name   | Volume | DN  | Fluid       | Fluid Group |
|--|--------|-----|-------------|-------------|
| Electric continuous Flow Heater 4600 Pressure vessel | 1000l  | 250 | Water & Oil | 1 & 2       |

## Inspections reference/Sites covered

| Site Name                       | Site Address                                 | Inspected/Monitored by | Date       | Report ID                  |
|---------------------------------|--|------------------------|------------|----------------------------|
| ELWA Elektro-Wärme GmbH & Co KG | Frauenstrasse 26<br>82216 Maisach<br>Germany | DNV Augsburg           | 2025-02-21 | A1660558<br>341.4-000607-3 |

## Documents Reviewed

| Document No.  | Rev. | Date       | Title                   | Status <sup>1</sup> |
|---------------|------|------------|-------------------------|---------------------|
| PfA/074-08-QS | 08   | 2021-07-14 | Pressure Test Procedure | FI                  |

## Applications/Limitations

- This Certificate only relates to directives described above. Other directives, covering other phenomena, and also having requirements related to CE marking, might also apply.
- Design is based on experimental design methods acc. to PED Annex I, 2.2.4

## Terms and conditions

Valid Terms and Conditions are found in the Product Certification Agreement which includes DNV's PED Certification Requirements.

<sup>1</sup> A = Approved, AC = Approved with comments, FI = For information