

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMT000001V

This is to certify:

That the Manufacturer
Estanc AS
Tallinn, Estonia

is approved for the
Manufacture of Welded Pressure Vessels, Class I & II

The approval is granted on condition that
DNV GL rules for classification – Ships

are complied with in all respect

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2020-05-10**.

Issued at **Høvik** on **2016-05-11**

DNV GL local station: **Tallinn**

Approval Engineer: **Maheshraja Venkatesan**

for **DNV GL**

Marianne Spæren Marveng
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in production facilities and methods may render this Certificate invalid.

Approval basis

Product categories: Welded pressure vessels class I and II
Activity categories: Fabrication

Reference to witnessed pressure test: W160031-PT dated 2016-02-18;

Heat treatment facilities are not available in manufacturing place. If heat treatment is required (according to DNV GL ship rules Pt.4 ch.7), then information about the subcontractor and his work procedure has to be submitted. The Surveyor may decide to visit the subcontractor as a part of Approval survey.

NDE outsourced to Inspecta Estonia OÜ.

Approval documentation:

Estanc AS Application for welded pressure vessels class I & II according AP330, submitted by manufacturer, including:

- Types of pressure equipment being produced (design pressures, sizes etc.).
- Outline of the organisation structure
- Quality assurance scheme / quality certifications and approvals held
- Outline of manufacturing facilities and equipment
- Manufacturing flow charts indicating all process steps and the associated testing and inspection points
- List of equipment used for mechanical testing, pressure testing and non-destructive testing
- Description of system used for identification and traceability of materials and products

Initial survey checklists, dated 2016-03-16 & 2016-05-06

Certificate Retention Survey

The approval will be valid for four years. To maintain the approved status, the manufacturer must be reinspected every four years. Application for renewal should be made not later than three months before the expiry date of the certificate.

Any alteration to the approved condition during the period of validity, e.g. method of manufacture, maximum dimensions or conditions of supply, is to be reported to the Society. A re-inspection and / or re-testing may be required when deemed necessary by the Society.