



Certificate no.:
TAM00001D6

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Explosion relief valve for engine exhaust line**

with type designation(s)

EVDE-173, EVDE-320, EVDE-420, EVDE-565, EVDE-645, EVDE-735

issued to

Prosave Co.,Ltd.

Gimhae-si, Gyeongsangnam-do, Korea, Republic of

is found to comply with

DNV rules for classification – Ships

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-06-20**

This Certificate is valid until **2029-06-19**.

for **DNV**

DNV local unit: **AK Admin Support**

Approval Engineer: **Sven Neddenien**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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.



Form code: TA 251

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Product description

Quick acting and self-closing explosion relief valve with flame arrestor and optional with protecting cover.

Application/Limitation

Pressure relief of an exhaust gas pipe (between engine and outlet) of a gas fuelled engine in the event of an internal explosion and to prevent passage of flames.

The installation orientation is vertical or horizontal.

Valve designation	Free relief area	Opening pressure	Max. operating temperature
EVDE-173	201 cm ²	0.18 – 0.22 bar	700 °C
EVDE-320	732 cm ²	0.18 – 0.22 bar	700 °C
EVDE-420	1260 cm ²	0.18 – 0.22 bar	700 °C
EVDE-565	2300 cm ²	0.18 – 0.22 bar	700 °C
EVDE-645	2990 cm ²	0.18 – 0.22 bar	700 °C
EVDE-735	3905 cm ²	0.18 – 0.22 bar	700 °C

Type Approval documentation

Tests carried out

2024-04-23, Test report 24.0111-47, Explosion venting device EVDE-565,
2024-04-24, Test report 24.0110-47, Explosion venting device EVDE-173,
issued by Physical Technical Testing Institute, Ostrava-Radvanice, Czech Republic
(National Authority no. 210, Testing laboratory no. 1019)
Tests have been performed in compliance with IACS UR M82.

Marking of product

The product is to be marked with manufacturer's name or trademark and type identification.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate. The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the Type Approval certificate was issued. In case where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, a Periodical Assessment shall be carried out randomly at these companies.

Other conditions

After an explosion the valve has to be inspected and to be replaced according to the Instruction Manual, if applicable.

END OF CERTIFICATE