DNV·GL

Certificate No:
**TAM000016Z**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Crankcase Explosion Relief Valve**

with type designation(s)
**266EVX, 320EVX, 345EVX, 420EVX, 480EVX, 565EVX, 645EVX, 735EVX**

Issued to
**Hoerbiger Valves (Changzhou) Co., Ltd.**
**Changzhou, China**

is found to comply with
**DNV GL rules for classification – Ships**

## Application :

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

Issued at **Hamburg** on **2020-12-02**
This Certificate is valid until **2025-12-01**.
DNV GL local station: **Nanjing NB & CMC**

Approval Engineer: **Sven Neddenien**

for **DNV GL**

**Olaf Drews**
**Head of Section**

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



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## Product description
Crankcase explosion relief valve with flame arrestor.

## Additional place of production
Hoerbiger Ventilwerke GmbH & Co. KG, Vienna, Austria

## Application/Limitation
Quick acting and self closing explosion relief valve with flame arrestor to pressure relief a combustion engine crankcase or gear case in the event of an internal explosion and to prevent passage of flames.
The installation orientation is vertical.

## Type Approval documentation

## Tests carried out
Test reports issued by Physical Technical Testing Institute, Ostrava-Radvanice, National Authoity no. 210, EU Notified Body no. 1026:

- 20.0229-47 dated 2020-08-26
- 20.0228-47 dated 2020-08-26
- 20.0227-47 dated 2020-08-26

All tests have been performed in accordance with IACS UR M66.

## Marking of product
The product to be marked with manufacturer's name or trademark, designation, size, month / year of manufacture and approved installation orientation.

## 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 Periodical Assessment shall be carried out randomly at these companies.

## Other conditions
The complete flame arrestor has to be replaced after a crankcase explosion.

END OF CERTIFICATE