



Certificate No:
TAM00001BF

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Crankcase Explosion Relief Valve

with type designation(s)

M36 420A, M36 480A, M36 565A, M36 645A, M36 735A

Issued to

Mt. H Control Valves Co., Ltd.
Busan, 11, 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 **2023-07-19**

This Certificate is valid until **2028-07-18**.

DNV local unit: **Gimhae Station**

for **DNV**

Approval Engineer: **Sven Neddenien**

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 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

Crankcase explosion relief valve with flame arrestor.

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.

Valve designation	Free relief area	Opening pressure	Remarks
M36 420A	1260cm ²	0.05bar $\pm$ 20%	
M36 480A	1665cm ²	0.05bar $\pm$ 20%	
M36 565A	2300cm ²	0.05bar $\pm$ 20%	
M36 645A	2990cm ²	0.05bar $\pm$ 20%	
M36 735A	3905cm ²	0.05bar $\pm$ 20%	

Type Approval documentation

Tests carried out

Test reports issued by Physical Technical Testing Institute, Ostrava-Radvanice, National Authority no. 210, EU Notified Body no. 1026:

- 23.0099-47 dated 2023-04-28, Explosion test Mt.H M36-420
- 23.0100-47 dated 2023-04-28, Explosion test Mt.H M36-735

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