Certificate no.:
TAF0000213

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Horizontal Class A Hatches

with type designation(s)
WDF-G13 type, class A0 watertight, gastight flush hatch cover

issued to
Wuxi Dongzhou Marine Equipment Co., Ltd
Wuxi, **China**

is found to comply with
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

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

Approved for use as an integrated part of a horizontal fire retarding division of class A-0.

Issued at **Høvik** on **2025-09-22**
This Certificate is valid until **2030-09-21**.
DNV local unit: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Izabela Misztal**

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 USD 300 000.

Product description

“WDF-G13 type, class A0 watertight, gastight flush hatch cover”
is composed from the exposed side of 12 mm thick single-layer steel plate consisting of 5 transverse and 4 longitudinal stiffeners. The stiffeners are made of steel plate of size 150 mm x 12 mm.
A fireproof rubber strip of 30 mm x 2 mm (manufactured by Yingkou Hangxing Industrial Co., Ltd.) and a fire-resistant watertight rubber strip of 20 mm x 45 mm (manufactured by Jiangyin Xiangbang Seals Co., Ltd.) are fixed at the perimeter of cover plate.

Total thickness of hatch cover: 150 mm.

The hatch coaming is 2536 mm wide, 3536 mm long and it is 150 mm high along the penetration direction.

Total thickness of hatch coaming is 12 mm and it is welded to the steel deck.

There are four lifting eye bolts installed on the hatch cover plate to facilitate its opening.
The hatch cover is fixed to the hatch coaming by means of two steel hinges and a locking mechanism consisting of thirty dogs.

For further details, see drawings listed under Type Approval documentation below.

Application/Limitation

Approved for installation in steel decks of class A0. Installation of the hatches in decks made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. hatch cover size: 3504 mm x 2504 mm (L x W)
Max. hatch clear opening: 3400 mm x 2400 mm (L x W)

Note that this is a fire safety certificate which only covers fire technical properties (i.e., not to cover any evaluations related to watertightness, weathertightness, etc.).

Each hatch is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Periodical assessment

DNV’s surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Program DNV-CP-0338, Section 4.

Manufactured by:

Wuxi Dongzhou Marine Equipment Co., Ltd., Wuxi, China,
Nongshi Road 22. Dongbeitang Town, Xishan District, Wuxi City, Jiangsu Province, China.