DNV·GL

Certificate No:
TAE000033K

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Bulkhead/Deck Penetration

with type designation(s)
RGPH-50, RGPH- 70, RGPH-100, RGPH-125, RGPH-150, RGPH-200

Issued to
MCT Brattberg AB
Karlskrona, Blekinge län, Sweden

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Approved for penetration in bulkheads or decks limited to a pressure of 40 bar.

The penetration system is generally not to be used for penetrating boundaries of tanks.

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2018-10-09**
This Certificate is valid until **2022-12-31**.
DNV GL local station: **Malmö**

Approval Engineer: **Ivar Bull**

for **DNV GL**

Marta Alonso Pontes
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.

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Product description
RGPH-50 single cable transit up to RGPH-200 multi cable transit.

Application/Limitation
Approved for cable / pipe penetration in bulkheads or decks limited to a pressure of 40 bar water tightness.

The penetration system is generally not to be used for penetrating boundaries of tanks.

Type Approval documentation
Test report QR-314, dated 2006-03-08

Drawings:

- 610093 Rev. B, dated 2005-10-12, RGPH-200 ANSI Flange
- 610096 Rev. B, dated 2005-10-12, RGPH-200
- 6060011 Rev. A, dated 2006-01-04, RGPH-50
- 6140136 Rev. A, dated 2014-04-01, RGPH- 70
- 6140138 Rev. A, dated 2014-04-01, RGPH- 100
- 6140170 Rev. A, dated 2014-04-15, RGPH-125
- 6140140 Rev. A, dated 2014-04-01, RGPH- 150

Tests carried out
Pressure test with water according to DNV Type Approval programme -8471.19-1 with a test pressure of 100 bar.

Marking of product
The product or packagings are to be marked with name of manufacturer and type designation.

Periodical assessment
The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:
- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT shall be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

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.

END OF CERTIFICATE