



Certificate no.:
TAP000030T

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Filter housing for hydraulic and lubricating oil**

with type designation(s)
350 HCO

issued to

Alfa Laval Moatti SAS
Elancourt, Yvelines, France

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.7 Pressure equipment
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021

Application:

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

Max. working temp.: 70 °C
Working media: Hydraulic Control Oil
Design pressure: 10

Issued at **Høvik** on **2025-09-11**

This Certificate is valid until **2030-09-10**.

for **DNV**

DNV local unit: **France CMC**

Approval Engineer: **Per Ola Nymo**

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

The filters 350 Series are made from different combinations of standard parts with 3 models to be applied for Hydraulic Control Oil:
350DM50 DN150, 350DM100 DN150, 350DM100 DN200

Pressure class: II
Minimum design temperature: 0°C
Maximum design temperature: 70°C
Design Standard: ASME VIII Div.1/2

Corrosion allowance: 1 mm
Housing material: Nodular cast iron, EN GJS 400-15 according to EN 1563.
Covers: SA-561 Gr. 60/70

Application/Limitation

Only pressure containing parts are considered, valves, internals, gearbox etc. is not considered. Functionality has also not been considered.

Type Approval documentation

Production Testing and Certification

Production Testing and Certification for the actual intended application shall follow the latest applicable edition of the Rules (as mentioned on the front page of this certificate).

Marking of product

Minimum marking requirements shall be as outlined in the edition of the Rules (as mentioned on the front page of this certificate).

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results.

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>.

Manufactured by:

Alfa Laval Moatti SAS,
Elancourt,
France