

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAK00000GX
Revision No:
4

This is to certify:

that the **Plastic Piping System, Thermoplastic**

with type designation(s)
Uponor Uni Pipe PLUS piping system,
Uponor MLC piping system

issued to

Uponor GmbH
Haßfurt, Bayern, Germany

is found to comply with

DNV class programme DNV-CP-0072 – Type approval – Thermoplastic piping systems
DNV rules for classification – Ships Pt.4 Ch.6 Piping systems

Application:

Nominal external pressure (EP): 5.3 bar. For use in systems for potable water and heating systems up to 10 bar. Service temperature 0°C to 80°C. For installation in accordance with DNV Rules and Manufacturer's recommendations. The piping system is tested to Low Flame Spread in accordance with ASTM D635. The piping system is not tested w.r.t. Fire Endurance characteristics.

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

Issued at **Hamburg** on **2026-03-18**

This Certificate is valid until **2031-01-07**.

DNV local unit: **Augsburg**

Approval Engineer: **Gisle Hersvik**

for **DNV**



Digitally Signed By:
Martin Wenning
Location: **DNV Hamburg,**
Germany

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.