

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAK00000WH
Revision No:
3

This is to certify:

that the **Plastic Piping System, Thermoplastic**

with type designation(s)
iFIT-PB PN10 Pipes, iFIT Multilayer PN10 Pipes, iFIT Push-fit fittings

issued to

Georg Fischer JRG AG
Sissach, BL, Switzerland

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV class programme DNV-CP-0072 – Type approval – Thermoplastic piping systems
ISO 21003-2:2008 "Multilayer piping systems for hot and cold water installations inside buildings – Part 2: Pipes"
ISO 21003-3:2008 "Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings"
ISO 21003-5:2008 "Multilayer piping systems for hot and cold water installations inside buildings – Part 5: Fitness for purpose of the system"
ISO 15876-2:2017 "Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes"
ISO 15876-3:2017 "Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings"
ISO 15876-5:2017 "Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system"

Application:

External pressure rating: 5bar (Collaps pressure: 15bar).

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

Issued at **Hamburg** on **2025-09-22**

This Certificate is valid until **2028-02-16**.

DNV local unit: **Augsburg**

Approval Engineer: **Hagen Markus**

for **DNV**



This document has been digitally signed and will therefore not have handwritten signature

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.