



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 12/ 00069 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Aquatechnik Group SpA
PLACE OF PRODUCTION	Via P.F. Calvi 40 Magnago (MI) Italy
DESCRIPTION	Polypropylene PP-R system for sanitary and heating systems
TYPE	FUSIO-TECHNIK (PPR pipes and fittings)
SPECIFIED STANDARD	Lloyd's Register's Rules & Regulations for the Classification of Ships, Part 5, Chapter 12; EN ISO 15874:2003 – Plastic piping systems for hot and cold water systems
APPLICATION	For use in non-essential sanitary and heating piping systems, where fire testing is not a requirement.
RATINGS	Nominal diameter (DN): 20 to 110 Pressure rating (bar): 10 Flame spread tested in accordance with ASTM D635
OTHER CONDITIONS	When installed on ships Classed by Lloyd's Register, the pipes are to be installed in accordance with the manufacturer's instructions and recommendations, and Lloyd's Register's Rules and Regulations for the Classification of Ships, and the system tested on completion to the satisfaction of an attending Surveyor.

This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate

Certificate No.	12/ 00069(E1)
Issue Date	4 January 2018
Expiry Date	28 October 2022
Sheet	1 of 2



PA Stanney
Lloyd's Register Global Technology Centre
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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The Design Appraisal Document No. 12/00069(E1) forms part of this Certificate

Supplementary Type Approval Terms and Conditions

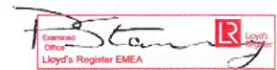
Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure

Certificate No. 12/ 00069(E1)
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