



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 99/ 00169(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	IVG Colbachini SpA
PLACE OF PRODUCTION	Via Fossona 132 35030 Cervarese S. Croce Padova Italy
DESCRIPTION	Flexible exhaust gas hose, comprising of an oil resistant liner, outer cover and filler, with two layers of textile reinforcement and an integral steel wire helix.
TYPE	ETNA
APPLICATION	Water coded diesel exhaust gas systems installed on small craft less than 24m in length, or pleasure yachts.
DESIGN CODE	Lloyd's Register's Rules and Regulations for the Classification of Special Service Craft
RATINGS	Diameter (mm): 25 to 305 Pressure rating (bar): 2 Temperature rating (°C): -30 to 100
OTHER CONDITIONS	1. Service length should be as short as practicable. 2. Where it is intended to use flexible exhaust hoses in exhaust piping systems on craft or yachts Classed or intended to be Classed by LR, the arrangements are to be submitted for approval.
Certificate No.	99/ 00169(E4)
Issue Date	13 January 2015
Expiry Date	24 November 2019
Sheet	1 of 2

MTES Southampton Office



Lloyd's Register EMEA

M.H.M. Riila

Marine Technology & Engineering Services
Lloyd's Register EMEA

Lloyd's Register EMEA
Global Technology Centre, Southampton, SO16 7QF

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"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."

The attached Design Appraisal Document No. 99/00169(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 99/ 00169(E3) to which this extension should be attached.

Certificate No.	99/ 00169(E4)
Issue Date	13 January 2015
Expiry Date	24 November 2019
Sheet	2 of 2


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