Certificate No: LR2003377TA
Issue Date: 24/11/2019
Expiry Date: 23/11/2024

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**IVG Colbachini S.p.A.**
Address	Via Fossona 132, Cervarese S. Croce - PD -, 35030, Italy
Place of Production	IVG Colbachini S.p.A. Via Fossona 132, Cervarese S. Croce - PD -, 35030, Italy
Type	Exhaust Gas Systems
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.
Trade Name	ETNA
Application	Water coded diesel exhaust gas systems installed on small craft less than 24m in length, or pleasure yachts.
Specified Standard	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

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Piping & Pressure Systems Team Lead to
Lloyd's Register EMEA
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Type Approval Certificate

on craft or yachts Classed or intended to be Classed by LR, the arrangements are to be submitted for approval.
3. The attached Design Appraisal Document No. 99/00169(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate
4. All other details remain as the previous Certificate No. 99/00169(E4) to which this extension should be attached.

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 Design Appraisal Document No. LR2003377TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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