



Lloyd's
Register

Notified Body authorised by the MCA

CERTIFICATE OF TYPE APPROVAL


This is to certify that

LLOYD'S REGISTER, specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the essential COLREG 72 requirements subject to any conditions in the Design Appraisal Document hereto.

Producer	Marco SpA
Address	Via Mameli 10 25014 Castenedolo Brescia Italy
Equipment Description	SHIPS SOUND SIGNAL (WHISTLE) AIR OPERATED
Type	PW3
Specified Standard	International Regulations for Preventing Collisions at Sea 1972, Consolidated Edition 2002, Annex III, 1(a) to (d) inclusive. EN 60945 (2002)

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid up to the expiry dated unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive whichever is the earlier, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	11 March 2016	Expiry date	10 March 2021
Certificate No.	MCA 1600002	Signed	
Sheet No	1 of 3	Name	L. Thomas Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



Maritime &
Coastguard
Agency

This certificate is issued under the authority given in Merchant Shipping Notice No MSN 1735 (M+F) as amended to date.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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Lloyd's Register EMEA

London Design Support Office

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Document number MCA 1600002
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 11 March 2016	Quote this reference on all future communications MTES/SFS/TA/LT/WP24449231
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 1600002

The undernoted documents have been appraised for compliance with the relevant International Conventions and UK legislation for the Type Approval of Marine Equipment for use on Merchant Ships Registered in the United Kingdom.

This Design Appraisal Document forms part of the Certificate that is issued under the authority given in the MCA Merchant Shipping Notice No MSN 1735.

EXAMINED DOCUMENTATION

LR Brescia email	11.03.2008
Marco letter	10.03.2008
PW3 Data Sheet, Rev 4 (Trumpet)	04.10.2013

TEST REPORTS

IQNet Certificate No. CH-21294	07.02.2006
SQS Certificate No. 21294	07.02.2006
Environmental and Vibration Test, Test Report No: AERO15_016, Rev 0	15.09.2015
Sound Pressure Test after Environmental and Vibration test, Rev 0	18.12.2015

CONDITIONS OF CERTIFICATION

1. The PW3 whistles may only be fitted to vessels greater than 20 meters, but less than 75 metres in length
2. The onboard arrangements and installation of this whistle is not part of this certificate, all such arrangements are to be to the satisfaction of the attending surveyor
3. Each whistle is to be delivered with a copy of this certificate
4. Instructions for use and maintenance are to be supplied with each whistle
5. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5
7. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
8. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained



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PLACE OF PRODUCTION

Marco SpA
Via Mameli 10
25014 Castenedolo
Brescia

Fire & Safety, MTES
Lloyd's Register EMEA


Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Marine Technology and Engineering Services
Lloyd's Register EMEA