



PROTOTYPE DESIGN ASSESSMENT CERTIFICATE
No. **ELE333323CS**

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	SHIP'S WHISTLE
<i>Type</i>	PW2 and PW3
<i>Applicant</i>	MARCO SPA VIA MAMELI, 10 25014 CASTENEDOLO (BS) ITALY
<i>Manufacturer</i>	MARCO SPA
<i>Place of manufacture</i>	VIA MAMELI, 10 25014 CASTENEDOLO (BS) ITALY
<i>Reference standards</i>	Convention on the International Regulations for preventing collisions at sea, 1972 (ref. to Italian Law 27th December 1977 no. 1085.)

This certificate is issued on request of the Manufacturer based on the PDA certification scheme according to RINA Rules for Testing and Certification of Marine Materials and Equipment

Issued in **Genova** on **October 30, 2023**. *This Certificate is valid until* **October 29, 2028**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

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PW2 and PW3

Whistle Type PW2

Field of application (acc.to COLREG Regulation)
Vessels having lenght L<20 meters
Sound pressure level 1/3 octave band @ 1m: 120 dB
Audibility: 0,5 mile

Feeder
Compressed air
Air pressure supply: from 0,15 to 0,30 MPa

Whistle Type PW3

Field of application (acc.to COLREG Regulation)
Vessels having lenght L<20<75 meters
Sound pressure level 1/3 octave band @ 1m: 130 dB
Audibility: 1 mile

Feeder
Compressed air
Air pressure supply: from 0,60 to 1,20 MPa

Test Report and drawing:
RINA Report n.2013/CS/01/534 (19/07/2013): frequency and sound pressure measurements (19/07/2013)
MARCO Letter on 06/02/2008
SQS Certificate dated 14.06.2021
Drawing no. 5.413 stamped by RINA on 13/04/1988

Reference documents:
Offer n° 2023/22330 (dated 11/09/2023)
TAO APP dated 31/08/2023
<https://leodrawplus.rina.org/projects/40216/detail>

Genova October 30, 2023