



TYPE APPROVAL CERTIFICATE

No. MAC008420YC/001

This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"

<i>Description</i>	Non metallic flexible hoses
<i>Type</i>	Flexible Hose Assembly Type Seastar Pro hose of 5/16" diameter with stainless steel fittings
<i>Applicant</i>	Dometic 3831 no 6 Road Richmond, BC V6V1P6 Richmond (British Columbia) CANADA
<i>Manufacturer</i>	Dometic
<i>Place of manufacture</i>	3831 no 6 Road Richmond, BC V6V1P6 Richmond (British Columbia) CANADA
<i>Reference standards</i>	RINA Rules for the Type Approval of Flexible Hoses and Expansion Joints

Issued in **Rio de Janeiro** on **August 3, 2020**. *This Certificate is valid until* **August 2, 2025**

RINA Services S.p.A.

Carolina Vasconcellos Teles

This certificate consists of this page and 1 enclosure



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Flexible Hose Assembly Type Seastar Pro hose of 5/16" diameter with stainless steel fittings

Reference documents

Drawing reviewed under RINA nos.RJUM-3758 and RJUM-3760:

1. Drawing no. DRW000317, Titled "G/A Seastar Hose, Single Regular and Pro Variants", Rev.H.
2. Drawing no. DRW002651, Titled "Fitting, Hose End, Stainless Steel 5/16 Hose to 3/8T(F)", Rev.B.
3. Drawing no. DRW002652, Titled "Stem, Fitting, Barbed 3-Piece Stainless Fitting", Rev.A.
4. Drawing no. DRW002653, Titled "Body, Fitting 3-Piece Stainless Fitting", Rev.A.
5. Drawing no. DRW001514, Titled "Nut Swivel", Rev.A.
6. Drawing no. ES0207, Titled "Seastar & Seastar Pro - Hose, Hose Fittings and Hose Assemblies", Rev.X.

Certificates and Test Reports:

1. Seastar Solutions, Test Report no.ER005653 Rev.A, issued on 28 October 2019.
2. IHA, Test Report no.010-20, issued on 23 March 2020.
3. IHA, Test Report no.012-20, issued on 23 March 2020.
4. IHA, Test Report no.014-20, issued on 23 March 2020.
5. Eaton, Test Report no.TR-021440A, issued on 08 June 2017.
6. Certificate of Approval of Service Suppliers n°AOSS0000ED7.
7. Seastar Solutions, Test Report no.ER5761, issued on 14 July 2020.

Technical characteristics

Complete hose assembly consists of:

1. Seastar Pro hose type of 5/16" diameter (P/N#438021)
2. Stainless Steel Fittings (P/N#287835)

Design Parameters:

- Maximum working pressure: 1500psi
- Operating temperature range: -18°C to +85°C

Fields of application

Hose Seastar Pro type with fittings may be used in Dometic steering gear systems.

Acceptance conditions

- The use of flexible hoses for permanent connection between a fixed piping system and items of machinery are permitted in short lengths. Compliance with this requirement shall be verified on board by RINA surveyor at the time of the flexible hose is being installed in the system.
- The installation on board of the above mentioned product is to be carried out by qualified personnel in accordance with the manufacturer's instructions.
- The above mentioned product is to be installed according to Part C, Ch 1, Sec 10 Article 5.9.3 of RINA Rules.
- The acceptance of the the above product on board ship and other units classified by RINA is subject to the satisfactory outcome of testing as per RINA Rules.
- The product (hose and fittings) is to be marked, for traceability, with the following data: nominal diameter, design conditions, Manufacturer's name or trademark, designation type reference.