



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED156922CS/002

***This is to certify*** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2021/1158.

<i>MED Item N°</i>	<b>MED/3.22</b>
<i>USCG Category N°</i>	<b>164.139</b>
<i>Description</i>	<b>Fire dampers</b>
<i>Type</i>	<b>S-MFD / S-HFD 2000x2000</b>
<i>Applicant</i>	<b>SAGICOFIM S.P.A.</b> VIA FIRENZE, 1 20063 Cernusco Sul Naviglio (MI) ITALY
<i>Testing standards</i>	<b>IMO Res. MSC.307(88)-(2010 FTP Code)</b>
<i>Reference standards</i>	<b>Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment</b>

*Issued in Genoa on*  
May 18, 2022

*This Certificate is valid until*  
April 14, 2026

*This Certificate consists of this sheet plus an attachment*

**Enrico Cabella**  
RINA Services S.p.A.

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**ATTACHMENT TO  
CERTIFICATE No. MED156922CS/002**

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*Manufacturer*  
**EFFE.BI. S.R.L.**

*Place of Manufacturer*  
VIA NAZIONALE, 11/B - FRAZ. S. GIACOMO  
23036 Teglio (SO)  
ITALY

**Product description**

Fire damper having maximum size of 2000x2000 mm and thickness of 300 mm composed of two dampers having, each, maximum dimensions of 2000x1000 mm, fixed together by means of a C shaped profile, 3 mm thick and having dimensions of 30x15 mm and M10 screws (pitch 150 mm). The frame is composed of a stainless steel plate having thickness of 3 mm (MFD type) or 4 - 5 mm (HFD type). Each damper is fitted, in the middle, with a mullion having width of 30 mm and composed of two C shaped stainless steel profiles having thickness of 3 mm. Each damper is fitted with an actuator having minimum torque of 12 Nm, a thermal cut-off fuse with temperature ranging from 72°C up to 140°C and with blades composed of an hollow profile made by four stainless steel sheets, 0.6 mm thick each, having thickness of 23 mm and height of ranging from 147 up to 212 mm. The A-60 Fire dampers are insulated with one layer of mineral wool (certified non combustible in compliance with IMO FTP Code) having density of 100 kg/m<sup>3</sup> and thickness of 60 mm. The mineral wool panels, fixed by means of steel pins and washers, are also applied, on the coaming, for a length of 825 mm (dampers fitted on decks) and 1125 mm (dampers fitted on bulkheads).

**Field of application**

Fire resistant A-0 and A-60 Class fire dampers fitted on bulkheads and on decks.

**Reference documents**

SAGICOFIM SpA drawing No. 033903 Rev. 1 dated 8 March 2021 approved on 12 March 2021 with endorsement No. LABS-2194 and drawings enclosed to CSI Test reports No. 0126/DC/RFM/20, No. 009/DC/RFM/21 and No. 0016/DC/RFM/21 dated 8 April 2021.  
SAGICOFIM SpA drawing No. 035844 dated 11 May 2022, RINA Number 2022CS011569/2.

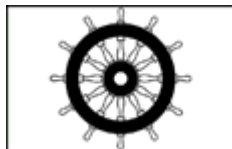
**Tests carried out**

Tests as per RINA Test Laboratory Report No. 2021CS01881/1 dated 9 April 2021 and CSI Test Reports No. 0126/DC/RFM/20, No. 009/DC/RFM/21 and No. 0016/DC/RFM/21 dated 8 April 2021, issued according to IMO 2010 FTP Code Part. 3.

This certificate annuls and replaces the certificate No. MED088121CS dated 04/15/2021 due to reissuance for additional temperature range.

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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



XXXX/YYYY

**"WHEELMARK FORMAT"**

XXXX Notified Body number undertaking surveillance module

YY Last two digits of year mark affixed

**USCG Approval marking**

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category **164.139**.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

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**General conditions for the approval**

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



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**Enrico Cabella**

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