



# EC TYPE EXAMINATION (MODULE B)

## CERTIFICATE No. MED156722CS

***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-CFD / S-LFD</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 23, 2022

*This Certificate is valid until*  
May 22, 2027

*This Certificate consists of this sheet plus an attachment*

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

***This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>***



**ATTACHMENT TO  
CERTIFICATE No. MED156722CS**

Page 1 of 2

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

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

**Product description**

Fire dampers having maximum size of 1000x1000 mm and depth of 220 or 300 mm. Frame, riveted or welded, composed of carbon steel or stainless steel sheets having thickness of 2 mm (S-CFD Type) or 3 mm (S-LFD Type). Blades composed of an hollow profile made by four carbon steel or stainless steel sheets, 0.6 mm thick each, having thickness of 24 mm and height ranging from 154 up to 214 mm. The dampers are fitted with an actuator having minimum torque of 12 Nm and a thermal cut-off fuse with temperature ranging from 72°C up to 140°C. The A-60 Fire dampers are insulated with one layer of mineral wool type Rockwool SeaRox SL 620 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, as per the following table:

Material	Frame depth (mm)	Coaming insulation length
Carbon steel	220	785 mm - Installation on bulkheads and decks
Stainless steel	220	785 mm - Installation on bulkheads and decks
Carbon steel	300	825 mm - Installation on bulkheads and decks
Stainless steel	300	825 mm - Installation on bulkheads and decks

**Field of application**

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

**Reference documents**

SAGICOFIM SpA drawings No. 032601 dated 20 January 2020, No. 032732 dated 20 January 2020, No. 032733 dated 27 January 2020, No. 032735 dated 24 February 2020, No. 032734 dated 27 February 2020 and No. 031921 Rev. 4 dated 12 March 2020 approved on 27 April 2020 and on 28 May 2020 respectively with endorsement Nos. LABS-2026, LABS-2025, LABS-2027, LABS-2037, LABS-2038 and LABS-2039. SAGICOFIM SpA drawings Nos. 036030 and 036032 dated 27 April 2022 and 036031 Rev. 1 dated 4 May 2022 enclosed to RINA Test Laboratory Reports No. 2022CS011567/1 and No. 2022CS011567/2 dated 16 May 2022.

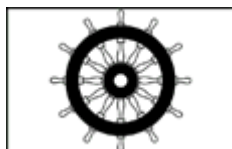
**Tests carried out**

Tests as per RINA Test Laboratory Reports No. 2019CS012530/2 dated 11 October 2019, No. 2019CS014190/1, No. 2019CS014190/2 and No. 2019CS014190/3 dated 7 May 2020, No. 2019CS014190/4, No. 2019CS014190/5 dated 28 May 2020, No. 2022CS011567/1 and No. 2022CS011567/2 dated 16 May 2022 issued according to IMO 2010 FTP Code Part. 3 - Appendix 2 A.II.

This certificate annuls and replaces the certificate No. MED419019CS dated 05/28/2020 due to reissuance for additional temperature range.

***This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>***

*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.

---

**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.



---

**Enrico Cabella**

***This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>***