



NIPPON KAIJI KYOKAI

Certificate

Certificate No.
TA26206E(N)

OF

APPROVAL

Item : "A" class fire damper (Bulkhead and Deck)
Product name : FDB2
Specifications : See the drawings in Annex.
Applicant : Halton Marine Oy
Pulttikatu 2, Lahti, Finland
Manufacturer : The same as the Applicant.
Testing standard : 2010 FTP Code Annex1 / Part 3
Test reports : See Annex.
Limitation : See Annex.

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 26FPA18DA, and that the products of the above type will be accepted for use onboard ships classed with the Society as complying with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974*, as amended, conditional upon the manufacturer having a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid until 17 February 2031.

Issued at Tokyo on 18 February 2026.

NIPPON KAIJI KYOKAI


M. Irisawa
General Manager

Material and Equipment Department

NOTE: The design, construction and way of installation are subject to the Annex(es). Any significant changes to the product without our approval will result in this certificate becoming null and void.



1. Test reports

Test laboratory	Report number	Date of issue
Eurofins Expert Services Oy Kivimiehentie 4, Espoo, Finland	EUFI29-21005923-T1	31 January 2022
	EUFI29-21006124-T1	9 February 2022
	EUFI29-21000981-T1	22 April 2021
	EUFI29-21000981-T2	23 April 2021

2. Specifications

2.1 Single damper

Size, mm		Classification
Maximum (width × height)	Minimum (width × height)	
1200 × 1600	100 × 100	A-60 Class

2.2 Two dampers with fire damper module

Horizontally mounted

	Size of each damper, mm		Classification
	Width	Height	
Option 1	$w \leq 1000$	$h \leq 1900$	A Class
Option 2	$1000 < w \leq 1200$	$h \leq 1600$	

Note: This horizontally mounted specifications of two dampers with fire damper module are based on the statement No. EUFI29-22001202-T1 dated on 16 May 2022 issued by the test laboratory, Eurofins Expert Services Oy, with the opinion that this change does not have a significant effect on the fire resistance of the modular damper if the construction of the damper module (excluding the dimension mentioned above) is as presented in the test reports RTE1133/05 and RTE1134/05.

3. Limitation

In case where remote control is required but remote control by manual operation such as wire is not possible for the automatic fire damper, a failsafe mechanism type is to be used but not a non-failsafe mechanism type.