DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No:
TAF000004R
Revision No:
1

This is to certify:

That the Fire Damper

with type designation(s)
BF

Issued to
Baas Component AS
LILLESTRØM, Norway

is found to comply with
DNV GL offshore standards

Application :

The fire damper is approved for use in ducts penetrating H-0 class bulkheads or decks.

Issued at **Høvik** on **2020-11-02**

This Certificate is valid until **2025-11-01**.
DNV GL local station: **Oslo Maritime and CAP**

Approval Engineer: **Tessa Biever**

for **DNV GL**
Digitally Signed By: Schei-Nilsson, Mårten
Location: DNV GL Høvik, Norway

Mårten Schei-Nilsson
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Product description

"BF",
is a spring operated multi bladed rectangular fire damper with manual and/or automatic pneumatic/electrical release. Fire damper casing is made of 4 mm thick steel and fire damper blade is made of 4 mm thick steel.

The damper blade edges may be fitted with 5 x 20 mm flame-retardant neoprene packing.

For further details, see drawings listed under Type Examination documentation.

Application/Limitation

The fire damper is approved for installation in H-class steel bulkheads. Other applications are subject to case-by-case approval.

The arrangement of the fire damper and necessary insulation of damper frame and ducting in the vicinity of the partition is subject to approval in each case.

Max. size of fire damper:	1300 x 1300 mm (W x H)
Max. number of blades:	5
Max. blade size:	1300 x 290 mm (W x H)

The fire dampers are to be operated automatically and/or manually (when relevant).

The damper shall be capable of being closed from both sides of the deck/bulkhead.

The fire damper may be mounted in conjunction with other fire dampers divided by a centre mullion providing that each damper is mechanically independent, sufficient stiffened and that all dampers are interconnected so that all operated simultaneously. Max. size of fire damper with mullion: 2650 mm x 2650 mm (W x H).

Steel thickness of damper casing to be equal to or greater than thickness of duct/sleeve required by the rules if the damper casing is part of the duct/sleeve.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Certification in accordance with Class Program DNVGL-CP-0338, September 2018.

Test report No. 103030.05 A dated 17 September 2003 from SINTEF, Trondheim, Norway.
Test report No. 103030.05 B dated 17 September 2003 from SINTEF, Trondheim, Norway.

Assessment No. 103201.88 dated 8 September 2004 from SINTEF, Trondheim, Norway

Drawing No. T3000-10 dated 2 April 1990 from manufacturer.
Drawing No. T3000-13 Rev. 20.08.03 dated 2 April 1990 from manufacturer.

Tests carried out

Tested according to IMO FTP Code Part 3 (IMO Res. A.754(18)) with furnace temperature following the hydrocarbon curve according to ISO 834-3.

Marking of product

The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Job Id: **262.1-004659-5**
Certificate No: **TAF000004R**
Revision No: **1**

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.