DNV·GL

Certificate No:
TAF000004N

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Fire Damper

with type designation(s)
BR

Issued to
Baas Component A/S
LILLESTRØM, Norway

is found to comply with
DNV GL offshore standards

Application :

Approved for use in ducts penetrating class H bulkheads and decks.
Max. size of damper is Ø400 mm (internal diameter).

This Certificate is valid until **2020-11-02**.

Issued at **Høvik** on **2015-11-03**

for **DNV GL**

DNV GL local station: **Station Oslo Maritime and CAP**

Approval Engineer: **Ragnar Tonjer**

Petter Langnes
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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description
"BR"
composed of circular spring operated single bladed fire damper with automatic pneumatical release. Fire damper casing is made of 3 mm steel and fire damper blade is made of 4 mm steel. The damper blade edges may be fitted with 5 x 20 mm flame-retardant neoprene packing.

Application/Limitation
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.

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

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.

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

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

Type Approval documentation
Certification in accordance with Standard for Certification No. 1.2, Type Approval, January 2013.
Test report No. 103030.50 A and 103030.05 B dated 17 September 2003 and statement No. 103201.88 dated 8 September 2004 from SINTEF, Trondheim, Norway, and drawing No. T3000-12 dated 2 April 1990 from manufacturer.

Tests carried out

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

Periodical assessment
DNVGL'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 Standard for certification No. 1.2 Type Approval Item 4.