

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Jet Fire Protection

with type designation(s)
ContraFlame JF60 Enclosures

Issued to

Advanced Insulation Limited
Gloucester, United Kingdom

is found to comply with
DNV GL offshore standards

Application :

Approved for use as jet fire protection of valves and flanges.

Issued at **Høvik** on **2020-02-12**

This Certificate is valid until **2025-02-11**.

DNV GL local station: **Manchester**

for **DNV GL**

Approval Engineer: **Karolina Kusmider**

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.



Job Id: **262.1-016412-2**
Certificate No: **TAF000018V**

Product description

"ContraFlame JF60 Enclosures"

Fire protection box mounted over a valve or flange. Prefabricated ContraFlame Enclosure comprising of 42 mm ContraFlame C50-X8 PFP core and 4 mm (nominal) inner and outer laminate.

Total thickness of the system is 50 mm. Parts of the enclosure are bolted together with 8 x M12 bolts with minimum spacing of 144 mm.

The nominal outer dimensions of the box (included joint flanges) is 526 x 426 mm, length 500 mm.

The pipe to be insulated with the same rating as the box (175/60).

Application/Limitation

Approved for use as jet fire protection of valves and flanges (Type of fire/Type of application/Critical temperature rise (°C/Period of resistance (minutes))):

The effect of unprotected valve spindles penetrating the protection box is not accounted for and must be evaluated for each case.

The approval refers only to the fire resistance properties of the system.

Any project specific design solutions arrived at on basis of this certificate are to be further validated by project specific approvals carried out by the appointed verifying authority for each project in each case at the detail engineering stage.

Each product is to be supplied with its manual for installation/application and maintenance.

Type Approval documentation

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

Test report No. 10868, Issue 1.1, dated 2011-05-27 from GL Noble Denton, Spadeadam, UK.

"Fitting Procedure for ContraFlame JF60 Enclosure System" Issue 02 dated 2014-01-15 from Advanced Insulation, Gloucester, United Kingdom.

Drawings No. AISENQ883-141 Rev. 3 dated 2014-02-08 from Advanced Insulation, Gloucester, UK.

Drawings No. AISENQ883-142 Rev. 4 dated 2010-10-15 from Advanced Insulation, Gloucester, UK.

Tests carried out

Tested according to ISO 22899-1:2007.

Marking of product

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

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 DNVGL-CP-0338 Section 4.