[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 25 ATEX 55887X** **Issue 0**

[4] Product: **VIGIFLAM Vi® Flameless explosion venting device**

[5] Manufacturer: **STIF France**

[6] Address: **Zone industielle de la lande**
49170 Saint Georges Sur Loire
France

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 1127-1:2019, EN 16009:2011 and EN 14797:2006

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the “Specific Conditions of Use” listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

Ex **II D**

Date of issue:
2025-04-11

NORSK AKKREDITERING
PROD 021

Ståle Sandstad
For DNV Product Assurance AS
The Certificate has been digitally signed.

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[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 25 ATEX 55887X Issue 0

[15] **Description of Product**

The VIGIFLAM Vi® is a device designed to protect an enclosure by flameless explosion venting. It consists of a flame quenching mesh and an explosion venting device with a static activation pressure of ≤100 mbar ±20% at 22 °C and a Pred, max of 1 bar.

The VIGIFLAM Vi® is supplied in multiple sizes.

VIGIFLAM Vi®		
Main Dimensions [mm x mm]	**Surface [m^2]**	**Volume [m^3]**
180x 240	0.0756	0.525
170 x 470	0.0799	0.580
270 x 458	0.1237	1.138
205 x 610	0.1251	1.156
305 x 610	0.1861	1.935
350 x 650	0.2275	2.464
490 x 590	0.2891	3.250

Other intermediate sizes are possible.
The VIGIFLAM Vi® is designed so that it will immediately open a vent area sufficient to ensure that the maximum explosion pressure does not exceed the maximum pressure the protected enclosure is designed to withstand. In addition to explosion venting, the VIGIFLAM Vi® will prevent the transmission of flames and reduce the external explosion effects.
The VIGIFLAM Vi® is equipped with a detection device which gives a signal when the device activates. One of the following detectors can be used, depending on the hazardous area classification on the outside of the VIGIFLAM Vi®:

Type	**Certificate number**	**Marking**
IGEXHa 05	EPS 17 ATEX 1173X	Ex II 1 G Ex ia IIC T6 Ga II 1 D Ex ia IIIC T145˚C Da
XS6	INERSI 04 ATEX 0022	Ex II 2 D Ex tb IIIC T90˚C DB IP 68
IG001A	Self declared	Ex II 3 D Ex tc IIIC T80˚C Dc X IP67

Type designation
VIGIFLAM Vi®

[16] **Report No**.: 908054

[17] **Specific Condition(s) of Use**

The safety area limitations defined in section 3 in the User Instructions referenced in section 19 of this document must be maintained during operation.

The maximum protected volume per unit (Vmax, FV) and the efficiency are defined in the manufacturer's documentation.

According to test results VIGIFLAM Vi® has been shown to function safely with the following dust characteristics:

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Type of dust	Organic dust*
Kst, max	≤ 200m* bar S-1
Pmax	9.4 bar
MIE	≥ 19mJ
MIT (Dust cloud)	≥ 430 ˚C

*Including coarse and fibrous dusts.
The flameless venting device cannot be used to protect enclosures against dust/air explosions involving metal dusts.

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
BE1257006	Technical file	04	14.02.2025
X7-0950A	VIGIFLAM VI Mono-filter	C	20.08.2024
X7-0952A	VIGIFLAM VI mono-filter body	B	11.04.2024
X7-0954A	VIGIFLAM VI mono filter grid	B	11.04.2024
X/-0956A	VIGIFLAM VI filter	D	20.08.2024
X7-0958A	VIGIFLAM VI panel	C	05.09.2024
X7-0959A	VIGIFLAM VI body gasket	B	11.04.2024
X/-0963A	VIGIFLAM VI textile cover	C	18.06.2024
X7-0960A	VIGIFLAM VI mono-filter grid gasket	B	11.04.2024
X7-0962A	VIGIFLAM VI Panel gasket	B	11.04.2024
X7-0972A	Cap M18 x 1	B	11.04.2024
X7-0974A	Nut M18 x 1	A	06.12.2023
BE0457103	Installation and user instructions	01/25	-
X7-0988A	Marking plan for VIGIFLAM Vi	C	14.02.2025
X7-0989A	Marking plan for VIGIFLAM VFB Vent panel	C	14.02.2025

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2025-04-11	908054

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE

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