


EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] **EU-Type Examination Certificate Number:** Presafe 15 ATEX 6095X Issue 3
- [4] **Product:** Fan Heater Assembly AW Ex 22 and AW Ex 42
- [5] **Manufacturer:** VEAB Heat Tech AB
- [6] **Address:** Box 265, 28123 Hassleholm,
Sweden
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Nemko Presafe 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 section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012, EN 60079-7:2007, EN 14986:2007, EN 13463-1:2009 and EN 13463-5:2011.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. 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:

 II 2 G c Ex e IIB T4 Gb

Date of issue: 2017-03-28

Asle Kaastad
For DNV GL Nemko Presafe AS
The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



This certificate may only be reproduced in its entirety and without any change, schedule included.

[13]

Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No.:** Presafe 15 ATEX 6095X Issue 3

[15] Description of Product

AW Ex is a hot water fan heaters for hazardous area. This fan heater is of two sizes AW Ex 22 and AW Ex 42. AW Ex has been developed specifically for heating the air in environments with occasional danger of explosion with maximum inlet water temperature of 125°C and the ambient temperature of -20 °C to +40 °C. The fan Heater assembly includes the Ex e certified fan motors, which is supplied with Ex e Junction box. The fan motor is fitted with PTC thermistors to protect against overheating, and the installation also requires an external thermistor motor protection, thus connected to certified motor protector U-EK230E and a contactor placed in the safe area. The Fan heater chassis, wall bracket and air deflector is made of stainless steel. The water supply pipe is connected to the lower pipe on the heater and outlet to the upper pipe of the fan heater. The fan heater are mounted with pipes facing left to right, when the fan heaters is mounted with pipes facing right then the air deflector must be turned for the air to deflect downwards.

Type designation

AW EX22 and AW EX42

Electrical Data

3-230/400V 50 Hz 0,43/0,25A

Degrees of protection (IP Code)

IP 44 Fan Motor.

Ambient temperature:

-20°C to +40°C

[16] **Project No.:** D0001366

[17] Specific Conditions of Use.

- 1) The fan heater must not be connected to hot mains water or steam. The highest temperature and pressure allowed is indicated on the identification plate, with the maximum inlet water temperature is restricted to 125°C
- 2) The fan motor is fitted with PTC thermistors to protect against overheating, and thus therefore be connected to certified motor protector U-EK230E and a contactor placed in the safe area.
- 3) Electrical connection to the mains requires fixed wiring. A multi-pole breaker with a minimum 3 mm length of break must be used for the permanent installation, using Ex approved components in the risk area.

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] Drawings and documents

Number	Title	Rev.	Date
56822	General drawing AW Ex 22/ AW Ex 42	3	2015-08-12
57333	Type label location and Warning label location	5	2015-08-20
57334	Certified Junction box, entries	3	2015-08-12
57335	AW Ex 22/ AW Ex 42 Detail Drawing fans	1	2014-11-13

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	D0001366	2015-09-24
1	Modified typo error on standard reference	D0001366	2015-10-06
2	Included the latest revision and date for revision For drawing 57333.	D0001366	2016-03-30
3	Updated to new ATEX directive reference. (94/9/EC to 2014/34/EC).	D0001366	2017-03-28

END OF CERTIFICATE