

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 18ATEX0403X Issue: 1

4 Equipment: Gas Mixer Control Enclosure Model: 83316-***

5 Manufacturer: Algas SDI

6 Address: 151 South Michigan Street
Seattle, WA 98108 USA

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive


9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0: 2012+A11:2013 EN 60079-1:2014

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

 II 2 G Ex db IIA T5 Gb

On behalf of ExVeritas



Peter Lauritzen
Managing Director



DANAK
PROD Reg.No. 7044
Member of EA MLA

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Schedule

13 Description of Equipment or Protective System

The Algas-SDI BLENDIAIRE ATEX control box is used to control mixers using modulating flow control valves that are enabled by control and safety solenoid valves.

There are optional alarm inputs to shut down the mixer and optional status outputs that are used as required.

Algas-SDI BLENDIAIRE ATEX enclosure is a cast aluminum flameproof enclosure is populated by electrical devices.

The electrical equipment consists of a power supply, PLC rack, terminal blocks, fuse holders, relays, thermostat and heater to minimize condensation.

Model Nomenclature:

83316-***

Where *** can be any numbers designating the transmitter configuration.

13.1 Details of change

The following changes are introduced in issue 1 of the certificate:

- Transfer of the certificate from ExVeritas UK, Notified Body number 2585 to ExVeritas Denmark, Notified Body number 2804. Certificate number remains unchanged.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R1750/A/1	2018.10.18	0	Initial issue of the Prime Certificate
EXV3124A	2021.03.16	1	Issue of the first variation, see section 13.1.

14.2 Compliance Drawings:

Issue 0

Title:	Drawing No.:	Rev. Level:	Date:
Label Nameplate ATEX Encl Assy Blendaire B20 – B1700 ATEX	55553	A	10/1/2018
Blendaire B20 – B1700 One-Line diagram ATEX Certification Drawing	0440-8100	A	10-01-18
Blendaire ATEX Panel Enclosure Layout ATEX Certification Drawing	0440-2100	A	10/3/2018
MANUAL PN 54705 BLENDIAIRE ATEX CONTROL BOX	N/A	N/A	10-08-18

Certificate: ExVeritas 18ATEX0403X

Issue 1

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15 Conditions of Certification

15.1 Special Conditions for Safe Use

- These enclosures shall be installed to a flat rigid surface using the mounting means provided.
- The approval applies to equipment without cable glands. When mounting the enclosure in a hazardous area, only cable glands certified to EN 60079-1 may be used. All conduit sealing fittings must be certified as flameproof 'db' and have a minimum IP66 rating equal to the marking on the enclosure.
- M10x1.5x50mm Grade 8.8 with 640 Mpa yield stress bolts shall be used to secure the cover to enclosure, torqued to 26.6 Nm. hex bolts shall comply with ISO 4017. Bolts shall be threaded onto the M10 x 1.5 x 10MM Grade 8.8 nuts provided.
- The enclosure is not meant to be field repaired or modified. Please contact the manufacture if the enclosure is damaged, or modifications are needed.

15.2 Conditions for Use (Routine tests)

- None

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.