

[1] **CONFORMITY BASED ON UNIT VERIFICATION**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU Annex IX, Module G

- [3] Declaration of conformity Number ACE25ATEX041X Rev00
- [4] Product Mixed solution injection unit s.n SNL0004873
- [5] Manufacturer General impianti S.r.l.
- [6] Address via collefreddo 8/9, Maiolati Spontini
(AN) ITALY
- [7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- [8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and 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 the confidential Report nº. EX_EXH002_25_25-187
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
ISO 80079-36:2016 Explosive atmospheres Part 36:
Non-electrical equipment for explosive atmospheres — Basic method and requirements.
- [10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.
- [11] This Declaration of conformity 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 equipment or protective system shall include the following:



II 3G Ex h IIA T1 Gc Tamb:+5°C;+50°C

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Date: 31/10/2025



**Advanced Consulting and Engineering
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] Declaration of conformity No: ACE25ATEX041X Rev00

[15] Description of equipment

Mixed solution injection unit

Steel frames compose the unit. . They allow the Mixed solution (including Ammonia) preparation and injection in the several points of the water/steam closed cycle.
The unit is available to prepare and inject a mixed solution composed by Hydrazine and/or Ammonia and/or Morpholine/ETA.

The Injection unit is composed mainly by:

- Two redundant Dosing pumps
- Pressure instrumentation
- Flowmeter
- Dampner
- Manual Valves

| Equipment | Manufacturer | Product code | Markings of Certification | Marking |
|-----------------|-----------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|---------------------------|
| Dosing pump | Bran+Luebbe / SPXFLOW (pump integrator) (CEMP - motor) (Rotork - pump gear) | NOVADOS H6 (motor - E3AC35 180LA 4) (pump gear - CMR-89) | N.A. | II 3G Ex h IIB T3 G |
| Pump gear | Rotork | CMR-89 | FM17ATEX0012X | II 2 G Ex db h IIB T4 Gb |
| Pressure switch | Georgin | FP62PX | LCIE 02 ATEX 6161 X/01 | II 2G Ex de IIC T6 |
| Dampner | Fox | BTHX | N.A. | II 2G Ex h IIB T5 Gb |
| Pressure gauge | Baumer | MEX5- A31.B33/0693_2113_0078_07 | LCIE 18 AR 015 | II 2G |
| Mass Flowmeter | Krohne | H250H/RR/M40/ESK-EX | PTB 12 ATEX 1025 | II 2G Ex db IIC T6..T1 Gb |
| Relief Valve | Trillium | S9 | INERIS-EQEN 033863/18 | II 2GD |

Ambient temperature Tamb:+5°C;+50°C

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[13] **SCHEDULE**

[14] Declaration of conformity No: ACE25ATEX041X Rev00

[16] Test documents are listed in the test report nº
EX_EXH002_25_25-187

[17] Special conditions for safe use
None

[18] Essential Health and Safety Requirements
are met by harmonized standards

[19] Documents and technical datasheets:

| Title | Object | Revision | Date |
|-------------------|----------------|----------|------------|
| 03ALM15005-A_ATEX | Technical file | 00 | 06/05/2025 |

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

[20] Declaration of conformity History

| Number of certificate | Rev. | Comments | Date |
|-----------------------|------|-------------|------------|
| ACE25ATEX041X | 00 | First issue | 31/10/2025 |

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