


[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 ACE25ATEX021X Rev00
- [4] Product Process reactor 162-MX-R103 s.n. 1720
- [5] Manufacturer Pressindustria Chemical Equipment Gruppo C.M.V. srl
- [6] Address Via Don Luigi Sturzo 91 - 22066 Mariano Comense, CO 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 n°: 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 n°. EX\_EXH003\_25\_24-1306; EX\_NNE002\_25\_24-1306
- [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  
ISO 80079-37:2016 Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres — Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"
- [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 1/3G Ex h IIB T3 Ga/Gc

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Date: 20/01/2026



**Advanced Consulting and Engineering**  
**Iberia SL**  
Notified Body No NB3024

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] Unit Verification Certificate No: ACE25ATEX021X Rev00

[15] Description of equipment

The equipment consists of an apparatus (tank) and the incorporation of an agitator. The two apparatus are intended to work in conjunction with other accessories (reported in the table).

**Process reactor Data:**

MACHINE: Process reactor

TYPE: Vertical tank with agitator (DIAMETER 1775 mm; LENGTH SEAM TO SEAM 2480 mm)

SERVICE: Agitation and preparation of chemical compounds (IMPELLER DIAMETER 650 mm; HEIGHT 1000 mm; SHAFT LENGTH 2850 mm; DIAMETER 60 mm)

Motor: POWER CONSUMPTION 11 KW RPM 1450 4 poles

**Process data:**

DENSITY 1150 - 1250 Kg/m<sup>3</sup>

VISCOSITY 1-32 cP @ 110 °C

DESIGN TEMPERATURE 200 °C

OPERATING TEMPERATURE 110 °C

**Equipments installed:**

Product	Manufacturer	Product code	ATEX Certificate	Marking
motor	EUROMOTORI	MAK 160M – 4 IE3	CESI 06 ATEX 059	II2G Ex db IIB T3 Gb
Motor gear	ROSSI	E type R 2I 100UC2A	Declaration of conofrmity	II 3G Ex h IIC T4 Gc
Mechanical seal	AESSEAL	12151679	CML 18ATEX6410X	II 1/2 G D Ex h IIC
Pressure transmitter	Trafag	8292.78	SEV 11 ATEX 0201X	II 1/2G Ex ia IIC T4/T5 Ga/Gb
Capacitive level sensor	DINEL	CLS-23Xi-20-C-R-NPT	FTZU 12 ATEX 0106X	II 1/2G Ex ia IIC T6...
Pressure regulator	NORGEN	SPUS-R82G-2AS-001	Declaration of conofrmity	II 2G Ex h IIC T6 Gb

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[13] **SCHEDULE**

[14] Unit Verification Certificate No: ACE25ATEX021X Rev00

[16] Test documents are listed in the test report nº  
N/A

[17] Special conditions for safe use  
 1- Process temperature: the process control system must be set up by the user according to the manual to ensure compliance with the Tcode required T3.  
 2- Limitation to use only with liquids with high conductivity (>1000 pS/m)  
 3- The bearings must be replaced at 50000h as per the use and maintenance manual  
 4- The wiring must be provided by the user in accordance with EN 60079-14  
 5- The motor cable glands must be provided and installed by the user in accordance with EN 60079-14. The cable glands must be certified in accordance with Atex Directive 2014/34/UE with protection mode Ex d for category 2G

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

[19] Documents and technical datasheets:

Title	Object	Revision	Date
24.189 24004Z310	TECHNICAL FILE	01	2024
217-2024OM	AGITATOR OPERATING MANUAL	00	2024

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
ACE25ATEX021X	00	First Issue	20/01/2026

Date: 20/01/2026



**Advanced Consulting and Engineering  
Iberia SL**  
Notified Body No NB3024

Matteo Marconi, CEO

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