


[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] Unit Verification Certificate Number ACE26ATEX005X Rev00
- [4] Product and Serial Number Control Panels CP s.n.  
FPS1634, FPS1635, FPS1636, FPS1637, FPS1638
- [5] Manufacturer F.P.S. Food and Pharma Systems s.r.l.
- [6] Address Via Vandelli, 20 22100 Como (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 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 confidential Report nº.  
EX\_EXP001\_26\_26-183; EX\_GEN001\_26\_26-183
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN IEC 60079-0:2018 Explosive atmospheres – Part 0: Equipment – General requirements  
EN 60079-2:2014 Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure
- [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 Unit Verification 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 equipment or protective system shall include the following:

 II 2G Ex pxb IIB+H<sub>2</sub> T4 Gb  
II 2D Ex pxb IIIC T135°C Db

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

Matteo Marconi, CEO

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[13]

**SCHEDULE**

[14]

Unit Verification Certificate No: ACE26ATEX005X Rev00

[15]

Description of equipment

The control panels CP FPS s/n FPS 1634, 1635, 1636, 1637, 1638 are assemblies including AISI 304L cabinets (size 1600 x 750 x 300 mm, thickness 1.2 mm) and pressurization system consisting of ATEX certified control unit equipment, components and relevant accessories having their own ATEX certificates.

The cabinets jointly with their control units are intended to be suitable for a pressurizing system of type of protection Ex pxb, to be used in Zone 1 (gas group IIB+H<sub>2</sub>), temperature class T4/ zone 21 (dust group IIIC), max surface temperature T135°C.

Cabinet size, dimensions and equipment installed inside are listed on enclosed drawings.

Control panel electrical ratings:

	<b>FPS1634</b>	<b>FPS1635</b>	<b>FPS1636</b>	<b>FPS1637</b>	<b>FPS1638</b>
Tag electrical panel	CP-40-845-a-1	CP-40-844-a-1	CP-40-414-a-1	CP-40-848-a-1	CP-40-846-a-1
Rated voltage	400V, 3Ph+ N+ PE	400V, 3Ph+ N+ PE	400V, 3Ph+ N+ PE	400V, 3Ph+ N+ PE	400V, 3Ph+ N+ PE
Rated current (A)	16	16	16	16	16
Rated power (W)	2000	3000	3000	3000	3000
Dissipated power (W)	76	113	113	113	113
Rated frequency (Hz)	50	50	50	50	50
Auxiliary circuit (Vdc)	24	24	24	24	24
IP Rating	4X	4X	4X	4X	4X

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Pressurization with leakage compensation Ex pxb.  
Protective gas: clean air without solid and liquid moisture

	FPS1634	FPS1635	FPS1636	FPS1637	FPS1638
Tag electrical cabinet	CP-40-845-a-1	CP-40-844-a-1	CP-40-414-a-1	CP-40-848-a-1	CP-40-846-a-1
Internal free volume (worst case)	0,36 m <sup>3</sup>	0,36 m <sup>3</sup>	0,36 m <sup>3</sup>	0,36 m <sup>3</sup>	0,36 m <sup>3</sup>
Purging minimum air flow rate	0,14 Nm <sup>3</sup> /m	0,14 Nm <sup>3</sup> /m	0,14 Nm <sup>3</sup> /m	0,14 Nm <sup>3</sup> /m	0,14 Nm <sup>3</sup> /m
Minimum purging time	13 minutes	13 minutes	13 minutes	13 minutes	13 minutes
Minimum overpressure	1,62 mbar	1,62 mbar	1,62 mbar	1,62 mbar	1,62 mbar
Maximum overpressure	9,96 mbar	9,96 mbar	9,96 mbar	9,96 mbar	9,96 mbar

Equipment	Manufacturer	Product code	Certification reference	Marking
Pressurization system	Pepperl + Fuchs	6000-DV-S2-UN-WH-AC	DEMKO 07ATEX0705753X	II 2G Ex db ib [ib pxb] IIC T4 Gb II 2D Ex ib tb [ib pxb] IIIC T60°C Db
Intrinsically safe purging controller vent	Pepperl + Fuchs	EPV-6000-SS-01	DEMKO 15 ATEX 1622X	II 2G Ex ib [pxb Gb] IIC T4 Gb II 2D Ex ib [pxb Db] IIIC T135°C Db
Cabinet (control panel)	EKO	1600 x 750 x 300	TUV IT 16ATEX001U	II 2G Ex eb IIC Gb II 2 D Ex tb IIIC Db
Barrier EPV	Pepperl + Fuchs	6000-TEMP-01	DEMKO 07ATEX0705753X	II 2G Ex ib [ib Gb] IIC T4 Gb
Cable glands	CEMBRE	MAXIBrass	IMQ 10ATEX028X	II 2GD Ex eb IIC Gb/Ex tb IIIC Db
Plugs	Cortem	PLG	CESI 02ATEX049X	II 2G Ex db IIC Gb II 2D Ex tb IIIC Db

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[13] **SCHEDULE**

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[16] Test documents are listed in the test report nº  
CE\_T28001\_26\_26-183; CE\_T56001\_26\_26-183

[17] Special conditions for safe use:

- The non-metallic membrane touchpad and display is a potential electrostatic discharge hazard. Use only damp water cloth and allow air dry for cleaning device. Do not use or install in high charge areas.
- In hazardous dust environment, regularly remove dust from the Control Unit enclosure to prevent excessive temperature rise, including the solenoid valve.
- The flameproof joints are not intended to be repaired.
- Provide inlet for protective gas inside the panel taking into account:
  - For gases or vapors heavier than air the inlet for the protective gas should be near the top of the pressurized enclosure, with the outlet near the bottom of the enclosure.
  - For gases or vapors lighter than air, the inlet for the protective gas should be near the bottom of the enclosure, with the outlet near the top of the enclosure.

[18] Essential Health and Safety Requirements  
Met by harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
TF_CP FPS-EX	Technical note	01	10 March 2026
IHA ESR_CP FPS-EX	Ignition hazard assessment	01	10 March 2026
SN_CP FPS-EX	Safety note	01	10 March 2026
AN_CP FPS-EX	Annexes to the technical File	01	10 March 2026

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

[20] Unit Verification Certificate History:

Number of certificate	Rev.	Comments	Date
ACE26ATEX005X	00	First Issue	27/03/2026

Date: 27/03/2026



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Notified Body No NB3024

Matteo Marconi, CEO

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