



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EUT 21.0003X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-07-30
Applicant: **Z.P. ARROW S.r.l.**
Via Giolitti 15
Tezze sul Brenta VI 36056
Italy
Equipment: **Pneumatic piston pumps series SP**
Optional accessory:
Type of Protection: **Ex h**
Marking: Ex h IIB T4 Ga/Gb
Ex h IIIC T135°C Da/Db

Approved for issue on behalf of the IECEx
Certification Body:

Dionisio Bucchieri

Position:

Head of IECEx CB

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins Product Testing Italy S.r.l.
Via Cuorgnè
n.21 - 10156 Torino
Italy



Product Testing



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Certificate No.: **IECEX EUT 21.0003X**

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Date of issue: 2021-07-30

Issue No: 0

Manufacturer: **Z.P. ARROW S.r.l.**
Via Giolitti 15
Tezze sul Brenta VI 36056
Italy

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

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 source "b", liquid immersion "k"
Edition:1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[IT/EUT/ExTR21.0007/00](#)

Quality Assessment Report:

[NO/PRE/QAR20.0009/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The SP series pneumatic pumping system operates in the transfer, transport and feeding of medium and high viscosity liquid, pasty compounds.

The pneumatic pumping system is actuated by the reciprocating linear movement of a pumping piston and on the mechanism that operates it, pneumatic motor, both can be parts of the complete system or considered individually to constitute an incomplete system, which will interface with other equipment.

The pumping piston, consisting of a tube of different length and diameter depending on the model, is equipped with a valve retention bottom with sphere or clapet gravity closure: the compound to be pumped is sucked through this valve. The suction is carried out by a piston with a seal also equipped with a check valve or clapet. The reciprocating movement of the pumping piston is due to the pneumatic motor to which it is connected.

SPECIFIC CONDITIONS OF USE: YES as shown below:

It is mandatory to bond the product container and the pump before and during use in the presence of flammable substances.

Keep the environment adequately ventilated where the pump operates to avoid dangerous concentrations of solvent in the air environment.

Avoid using containers and, on the part of the operator, footwear and gloves in plastic or rubber or materials that do not allow continuity of electrical conduction to the ground.