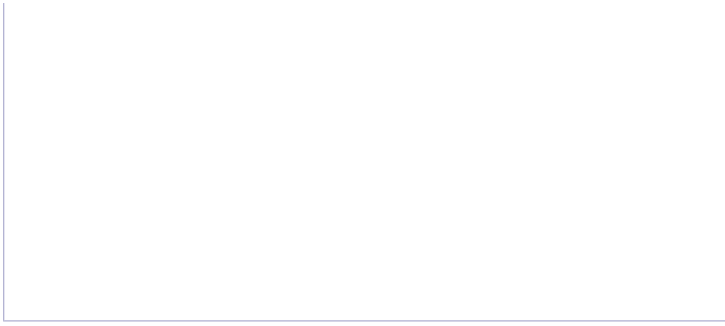


 IECEX Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres <small>for rules and details of the IECEX Scheme visit www.iecex.com</small>	
Certificate No.:	IECEX CES 12.0016X issue No.: 0 Certificate history:
Status:	Current
Date of Issue:	2012-10-08 Page 1 of 4
Applicant:	Piusi S.p.A. Via Antonio Pacinotti, 16A I-46029 Suzzara (MN) Italy
Electrical Apparatus: Optional accessory:	Pumps motors, types EX50 12V and EX50 230V
Type of Protection:	Flameproof enclosures 'd'
Marking:	Ex d IIA T4 Gb
Approved for issue on behalf of the IECEX Certification Body:	Mirko Balaz
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 the Official IECEX Website .	
Certificate issued by: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p style="color: green; font-size: small;">CESI Centro Elettrotecnico Sperimentale Italiano S.p.A. Via Rubattino 54 20134 Milano Italy</p> </div> <div style="text-align: center;">  </div> </div>	
 IECEX Certificate of Conformity	
Certificate No.:	IECEX CES 12.0016X
Date of Issue:	2012-10-08 Issue No.: 0 Page 2 of 4
Manufacturer:	Piusi S.p.A. Via Antonio Pacinotti, 16A I-46029 Suzzara (MN) Italy
Manufacturing location(s):	
<p>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.</p>	
STANDARDS: The electrical apparatus 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:	
IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0:Equipment - General requirements Edition: 5	
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" Edition: 6	
<p style="text-align: center;"><i>This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.</i></p>	
TEST & ASSESSMENT REPORTS: A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in	
<u>Test Report:</u> IT/CES/ExTR12.0020/00	
<u>Quality Assessment Report:</u> IT/CES/QAR12.0004/00	





IECEx Certificate of Conformity

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Electro-pumps type EX50 12V and EX50 230V are transportable apparatuses made of an electric motor and relevant junction box and electronics held in the same flameproof enclosure. Electric motors are equipped with an automatic reset thermal protection which opens the electric circuit in case the temperature goes over the set threshold. Three radial openings allow the free ventilation of a stretch of shaft between motor and pump. This equipment is suitable to be used in discontinuous services. Safety evaluation bases on the assumption the service conditions are appropriate for the classification zone 1 inside the pump.

The apparatus is equipped with an earthing screw which shall be connected, by means of a suitable wire, to an earth in common with the fuel tanks, before energizing the motor.

CONDITIONS OF CERTIFICATION: YES as shown below:

- The equipment shall be attended while working in order to suddenly detect possible malfunctioning, including the intervention of the thermal protection and the pump stop;
- Follow the type of service defined on the marking plate and avoid using the pump in bypass conditions;
- In case intervention of the thermal protection repeats, in normal conditions, do not attempt to restart the electro-pump but send it to the manufacturer for due checks;
- Before running the pump, connect tanks and electro-pump, using the special screw, to a common earth;
- The usage shall comply with the classification zone 1 inside the pump;
- Keep clear the three openings which put a stretch of the shaft, between Ex d enclosure and pump, in connection with open air;
- The electric connection of the electro-pump, especially when used as portable equipment, shall be carried out in safe area or shall be suitably protected, using one of the protection methods foreseen by the standard IEC 60079-0;
- The temperature of the fluid processed by the pump shall be inside the ambient temperature range.
- The flame-paths are identified in the manufacturer's drawings; for information concerning their dimensions the manufacturer shall be contacted.



IECEx Certificate of Conformity

Certificate No.: IECEx CES 12.0016X

Date of Issue: 2012-10-08

Issue No.: 0

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EQUIPMENT(continued):

Electrical characteristics

Model EX50 12V

Rated voltage: 12 Vdc
 Rated current: 17 A
 Maximum power: 300 W
 Insulation class: F
 Maximum rotating speed: 2700 min-1
 Service type: max 30' ON - min 60' OFF
 Thermal protector: Klixon CET 00KP-3

Model EX50 230V

Rated voltage: 230 Vac - 50 Hz
 Rated current: 0.8 A
 Maximum power: 300 W
 Insulation class: F
 Maximum rotating speed: 2700 min-1
 Service type: max 30' ON - min 30' OFF
 Thermal protector: Klixon Sensata 15AM 125A
 Ambient temperature: -10°C ≤ Tamb ≤ +40°C

Warning label:

"Do not open when energized"
 "Caution - Automatic thermal protected motor"

Installation conditions:

The accessory used for cable entry shall be suitably certified according to the standard IEC 60079-1 and shall be chosen with respect to the requirements of the current electrical installations rules.

