

EU-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3]

EU-Type Examination Certificate Number: **DEMKO 19 ATEX 2155X Rev. 0**

[4]

Product: **Electric pumps, Models EX100 and EX140**

[5]

Manufacturer: **PIUSI S.p.a.**

[6]

Address: **Via Antonio Pacinotti 16A, I-46029 Suzzara (MN) Italy**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to 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. **4788225479.4.1**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018
EN ISO 80079-36:2016**

**EN 60079-1: 2014
EN ISO 80079-37:2016**

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11]

This EU-Type Examination 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 the certificate.

[12]

The marking of the product shall include the following:



II 2 G Ex db h IIA T4 Gb

Certification Manager

Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2019-06-27



Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[14]

Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
DEMKO 19 ATEX 2155X Rev. 0

[15]

Description of Product

Electric Pumps model EX100 and EX140 utilised for different combustible hydrocarbon liquids (petrol, diesel and kerosene) with duty type continuous S1.

Electric motor enclosure is made of aluminium and the pump in cast iron.

Nomenclature for type *EX100, EX140*

Temperature range

The marked ambient temperature range is -20 °C to +40 °C.

Electrical data

Type	Supply rating	Current	RPM	Duty
EX100	230V 50Hz	4.5 A	1450	Continuous S1
	230V 60Hz	3.8 A	1750	
	250V 50Hz	4 A	1450	
EX140	230V 50Hz	5 A	1450	
	230V 60Hz	4.5 A	1750	
	250V 50Hz	4 A	1450	

Routine tests

Routine tests according to EN 60079-1 cl. 15.2.3.2 are not required, as the enclosures have been successfully tested at four times the reference pressure.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. 8 on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

- The screws class used for the assembly of explosion-proof enclosures must be of quality higher or equal to 8.8 (ISO 898-1).
- Flameproof joints are not intended to be repaired.
- Fluid temperature range shall be from -20°C to +40°C.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.