ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Certificação de Produto

OCP 0101

Brasil

.

CUSTOMER CODE INMEX 123569 0004 Rev. 00

Certificate Number TUV SUD INMEX 25.0001X

Supplier: **Lupus Equipamentos para Lubrificação e Abastecimento Ltda**
Rua: Lupo Paneli, 303
Industrial
18520-000 Cerquilho SP
BRAZIL

CNPJ 57.026.585/0001-36

Manufacturer: **PIUSI S.P.A.**
Zona Industriale Rangavino, Via Pacinotti 16/A, 46029 SUZZARA, ITALY

Product: **Electric pumps**
Volumetric rotary pump

TÜV SÜD Brasil- OCP 0101 certifies that the referenced product is in accordance with the Inmetro Ordinance applicable for this product and Technical Standards applicable to the described scope and according to the technical data mentioned in this certificate. The certification mark sent to the supplier with this certificate shall be affixed on the product and should not be changed. The validity of this Certificate is linked to carrying out assessments maintenance and treatment of possible non conformities in accordance with TÜV SÜD Brasil- OCP 0101 orientation and foreseen in the specific Inmetro Ordinance. For verification of the updated compliance condition of this Certificate of Conformity, the data bank of certified products and services of INMETRO must be consulted.
Products must be installed in compliance with the relevant Standards in Electrical Installations in Explosive Atmospheres.
The installation, inspection, maintenance, repair, overhaul and recovery activities of the equipment are the responsibility of the users and must be performed in accordance with the requirements of the current technical standards and the manufacturer's recommendations.
See www.tuvsud.com/ps-cert for details.

Certificate of Conformity valid only accompanied by the total pages indicated on the footer.

Test Report(s) / issue date: DK/ULD/ExTR24.0013/00 2024-07-25

Initial issue:	2025-03-10
Revision issue:	2025-03-10
Valid until:	2031-03-09

(Alice Maia)

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Model(s): **PANTHER EX 56 and PANTHER EX 56 MS**
PANTHER EX 72 and PANTHER EX 72 MS

Trade name: **PIUSI**

Parameters:

Product Description
Volumetric rotary pumps models PANTHER Ex 56, PANTHER EX 56 MS, PANTHER EX 72 and PANTHER EX 72 MS are designed and constructed for the transfer of fuels (gasoline, diesel, kerosene and gasoline mixed alcohol up to 15%). The equipment is composed by: • Pump - volumetric vane priming rotary pump, equipped with a bypass valve. • Motor - Single-phase induction motor-continuous cycle, whose enclosure features a IP55 according to IEC 60334-5, directly flanged to the pump body. The engine is equipped with an automatic thermal and overload protection. In case of intervention of protection turn off the pump and let cool it down. There are two possible types of switch motor start: • A mechanical switch directly connected to the dispenser holder (MS models). • A magnetic switch physically separated from the engine internal volume.

Marking - Type of protection used
Ex db IIA T4 Gb -20 °C ≤ Tamb ≤ +50 °C

Electrical Parameters	
PANTHER EX 56 and PANTHER EX 56 MS	PANTHER EX 72 and PANTHER EX 72 MS
Voltage: 230V, 60Hz	Voltage: 230V, 60Hz
Current: 2.3 A	Current: 2.3 A
RPM: 3400	RPM: 3400
Duty: Continuous S1	Duty: Continuous S1

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List of Documents

Filename	Document number	rev.	Data/*Date*
EX087_rev00 Panther EX Assembly and overall dimensions.pdf	EX087	00	2024-04-04
EX088_rev00 Panther EX Joint.pdf	EX088	00	2024-06-17
EX089_rev00 Panther EX Pump body.pdf	EX089	00	2024-06-17
EX090_rev00 Panther EX Pump Rotor.pdf	EX090	00	2024-01-16
EX091_rev00 Panther EX Pump Vane.pdf	EX091	00	2024-01-16
EX092_rev00 Panther EX Bypass System.pdf	EX092	00	2024-01-16
EX094_rev00 Panther EX Motor stator Enclosure.pdf	EX094	00	2024-01-22
EX095_rev00 Panther EX Motor Rotor.pdf	EX095	00	2024-05-07
EX096_rev00 Panther EX wiring box lower part.pdf	EX096	00	2024-06-17
EX097_rev00 Panther EX wiring box upper part.pdf	EX097	00	2024-01-16
EX098_rev00 Panther EX electronic switch.pdf	EX098	00	2024-01-16
EX099_rev00 Panther EX electrical layout.pdf	EX099	00	2024-01-24
EX100_rev00 Panther EX end shield.pdf	EX100	00	2024-01-16
EX101_rev00 Panther EX Motor fan.pdf	EX101	00	2024-01-16
EX102_rev00 Panther EX Fan protection.pdf	EX102	00	2024-06-18
EX104_rev00 Panther EX Switch lever.pdf	EX104	00	2024-01-16
EX105_rev00 Panther EX Marking.pdf	EX105	00	2024-03-21
EX106_rev00 Panther EX Chamber Cap.pdf	EX106	00	2023-07-13
IECEx_ULD_24.0012_000	IECEx_ULD_24.0012_000	Issue 0	2024-07-25
Technical evaluation report	123569_1/2025	00	2025-02-28
FT120_ATEX_PANTHER EX_rev00	FT120	00	2024-05
User manual	MO725	00	2025-01

“Specific Conditions of Use”:

- The screws class used for the assembly of flameproof enclosures must be of quality equal to 8.8 (ISO 898-1) or higher.
- Flameproof joints are not intended to be repaired.
- Fluid temperature range shall be from -20°C to +50°C.
- The surface temperature determination was based on operation within “Zone A” (IEC 60034-1), ± 5 % of rated voltage.

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Laboratory(ies) names: UL Solutions (US)

Factory inspection: 2025-02-03

Model of certification: 5

Note: This certification only covers the national regulations described in “In compliance to”.

In compliance to:

ABNT NBR IEC 60079-0:2020
ABNT NBR IEC 60079-1: 2016 versão corr. 2020
Portaria INMETRO N. 115 de 21 Março de 2022

Factory(ies):

PIUSI S.P.A.
Zona Industriale Rangavino, Via Pacinotti 16/A, 46029 SUZZARA, ITALY

Revision History:

2025-03-10	Initial issue.
The last revision replaces and cancels the previous one. Certificate with digital signature for electronic file. Authenticity can also be confirmed with the QR Code on page 1.	

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