Part 3: Certification

19 Certifications

19.1 UK declaration of conformity

We

COLASIT AG
Faulenbachweg 63
CH-3700 Spiez

bearing sole responsibility, hereby declare that the product

Plastic industrial fan
CMVeco 125-400
CMVeco 125-400 ATEX

referred to by this declaration is in conformity with the following standards or normative documents:

Provisions of the directive	Title and/or number and date of issue of the standard(s):
Supply of Machinery (Safety) Regulations 2008: Great Britain (S.I. 2008 No. 1597), and related amendments	**EN ISO 12100: 2010** **EN ISO 13857: 2019** **EN 60204-1: 2018**
EMC regulation 2016: Great Britain Electromagnetic Compatibility Regulation 2016 (S.I. 2016 No. 1091), and related amendments	**EN IEC 61000-6-2: 2016**
Name and address of the person authorised to compile the relevant technical documentation:	**Andreas Roth** **COLASIT AG** **Faulenbachweg 63** **CH-3700 Spiez**
Authorized person or position:	**Central Fans Colasit Ltd East Moons Moat** **Unit 12A Palmers Road** **Redditch - Worcestershire, B98 0RF** **United Kingdom** Phone: +44 1527 517200
For use in Ex zones	
UK Regulation (ATEX): Equipment and Protective Systems Intendent for Use in Potentially Explosive Atmospheres Regulations 2016: Great Britain (S.I. 2016 No. 1107), and related amendments	**EN 1127-1: 2019** **EN 80079-36: 2016** **EN 80079-37: 2016** **EN 14986: 2017** **EN 60079-0 : 2018** **EN 60079-1 : 2015** **EN 60079-7 : 2019** **EN 60079-15 : 2019**
Ex Marking:	**II 3/- G Ex h IIB+H_2 T3 or T4 Gc/-** **II 3/3 G Ex h IIB+H_2 T3 or T4 Gc** **II 2/3 G Ex h IIB+H_2 T3 or T4 Gb/Gc** **II 2/2 G Ex h IIB+H_2 T3 or T4 Gb** T3/T4 acc. to the rating plate

Spiez, 30.11.2022

U. Moser (Chief executive officer)

TD-000 674-E
Edition 01122022, Subject to alteration

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19.2 ATEX-Declaration of Conformity

ATEX-Declaration of Conformity

Equipment, components and protection systems for use for their intended purpose in explosion protected zones – **UK Regulation (ATEX):**
Equipment and Protective Systems Intendent for Use in Potentially Explosive Atmospheres Regulations 2016: Great Britain (S.I. 2016 No. 1107), and related amendments

Document number	:	**TD-000 744**
Product designation:		Medium pressure radial fan CMVeco 125-400 ATEX
Manufacturer:		COLASIT AG Faulenbachweg 63 3700 Spiez
Product description		Plastic industrial fan for the conveyance of chemically aggressive gases, vapour or correspondingly contaminated air.

The conformity assessment process was conducted in compliance with regulation UKEX S.I. 2016 No.1107. The results are recorded in the confidential **Test Report TD-000 813**. All relevant documentation is deposited with the following notified body.

Notified body: 2503	Eurofins CML New Port Road, Ellesmere Port, CH65 4LZ, UK

COLASIT hereby certifies compliance with the basic health and safety requirements for the design and manufacture of equipment and protection systems for use for their intended purpose in explosive atmospheres in compliance with regulation UKEX S.I. 2016 No.1107.

The following harmonised standards were applied:

EN 1127-1: Explosive atmospheres – Explosion protection, Part 1, 2019
EN ISO 80079-36: Non-electrical equipment for potentially explosive atmospheres, Part 36, 2016
EN ISO 80079-37: Non-electrical equipment for potentially explosive atmospheres, Part 37, 2016
EN 14986: Design of fans working in potentially explosive atmospheres, 2017

The marking on the appliance must comprise the following information:

- Ex II 3/-G Ex h IIB+H_2 T3 or T4 Gc/- (conveyed medium Zone 2, site of installation no Zone)
- Ex II 3/3G Ex h IIB+H_2 T3 or T4 Gc (conveyed medium Zone 2, site of installation Zone 2)
- Ex II 2/3G Ex h IIB+H_2 T3 or T4 Gb/Gc (conveyed medium Zone 1, site of installation Zone 2)
- Ex II 2/2G Ex h IIB+H_2 T3 or T4 Gb (conveyed medium Zone 1, site of installation Zone 1)

The associated operating instructions contain important safety instructions and regulations for putting the named equipment into operation in compliance with regulation UKEX S.I. 2016 No.1107.

Changes to the named equipment are prohibited except with the manufacturer's express approval in writing.

If the named equipment is built into a higher level machine, the new risks ensuing from the integration must be assessed by the manufacturer of the new machine.

Spiez, 31.05.2021

Andreas Roth
Authorised representative for documentation

Urs Moser
On behalf of the executive management

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Declaration of Conformity No. TD-000 744

Description of appliance or protective system

The radial fans CMVeco 125-400 ATEX with direct drive and V-belt drive extract room air or process exhaust air. They are directly or indirectly driven by electric motors via V-belts.

Special conditions	:	If the fans are operated within explosive atmospheres in Zone 1 or 2, they may only be driven by motors for which an appropriate approval (EC type examination certificate) has already been issued. Temperature Class T4: If the site of installation is Zone 1/2, an explosion proof motor with temperature class T4 must be fitted. If an explosion proof motor with temperature class T3 is used, temperature class T3 shall apply to the entire fan Ambient temperature: T -20 - 40°C Maximum temperature of intake medium: 60°C The minimum flow velocity through the fan has to be minimum 3m/s. On versions with V-belt drive, only V-belts may be used if they conform with the requirements of EN 80079-37 Chap. 5.8.2 and possess an appropriate factory certificate in compliance with EN 10204-2.1. All service and repair work must be carried out by trained service personnel.
Additional information:		The radial fans of Equipment Category 3 may only be used to extract gases where the frequency of occurrence of combustible or explosive atmospheres is equivalent to Ex-Zone 2.

Basic safety and health requirements:

Fulfilled by standards.

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