14 EU - Declaration of conformity

We, the manufacturer	COLASIT AG Faulenbachweg 63 3700 Spiez Switzerland
declare under our sole responsibility that the product of the series CMVpro 125-400 ATEX	Plastic industrial fan CMVpro 125 ATEX CMVpro 160 ATEX CMVpro 200 ATEX CMVpro 250 ATEX CMVpro 315 ATEX CMVpro 400 ATEX

to which this declaration refers is in conformity with the provisions of the following EU directives and harmonized standards as of the date of issue stated:

EU Directives	Machinery Directive 2006/42/EC
	EMC Directive 2014/30/EU
	ATEX Directive 2014/34/EU
Harmonized standards	
EN ISO 12100: 2011	EN ISO 12499: 2008
EN 60204-1: 2019	EN IEC 61000-6-4:2019
EN 1127-1: 2019	EN ISO 80079-36: 2016
EN ISO 80079-37: 2016	EN 14986: 2017
EN 60079-0: 2018	EN 60079-1: 2014
EN 60079-7: 2015	EN 60079-15: 2019
Name and address of the document manager	Andreas Roth COLASIT AG , Faulenbachweg 63 3700 Spiez, Switzerland
Deposit of the assessment and technical documentation with	Eurofins Electric + Electronic Testing AG, Fehraltdorf (1258) Deposit no. 19CH-0129.X01

Spiez, 6/7/2021

U. Moser (Division manager)

15 ATEX - Declaration of Conformity

(2) Equipment, components, and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU (ATEX)**.

(3)

Declaration of Conformity number	TD-000 824

(4)

Equipment group	Non-electrical equipment and components of equipment group II, categories 2 and 3
Product description	Plastic industrial fan
Product designations	CMVpro 125 ATEX, CMVpro 160 ATEX, CMVpro 200 ATEX, CMVpro 250 ATEX, CMVpro 315 ATEX, CMVpro 400 ATEX

(5)

Manufacturer	COLASIT AG

(6)

Address	Faulenbachweg 63 3700 Spiez Switzerland

(7) The design of this equipment and the various executions are specified in the appendix to this Declaration of Conformity and in the technical report.

(8) Colasit AG certifies compliance with the essential health and safety requirements for the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres according to Annex II of Directive 2014/34/EU.

The results of the test are recorded in the confidential test report TD-000 823 and deposited with the notified body (Eurofins, Fehraltdorf, 1258) under the number 19CH-0129.X01.

(9) The essential health and safety requirements are met through conformance with:

EN ISO 80079-36: 2016	EN ISO 80079-37: 2016
EN 1127-1: 2019	EN 14986: 2017
EN 60079-0:2018	EN 60079-1:2014
EN 60079-7:2015	EN 60079-15:2019

(10) If there is an X after the certificate number, special conditions for safe use of the equipment are referred to in the appendix of this certificate.

(11) This Declaration of Conformity relates only to the design and construction of the specified equipment group according to Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placement on the market.

(12) The identification of the equipment group shall contain the following information:

Conveyed medium Zone 2, Installation site no Zone	Ⓔx	II 3/-G	Ex h IIB+H2 T3 or T4* Gc/-
Conveyed medium Zone 2, Installation site Zone 2	Ⓔx	II 3G	Ex h IIB+H2 T3 or T4* Gc
Conveyed medium no Zone, Installation site Zone 2	Ⓔx	II -/3G	Ex h IIB+H2 T3 or T4* -/Gc
Conveyed medium Zone 1, Installation site no Zone	Ⓔx	II 2/-G	Ex h IIB+H2 T3 or T4* Gb/-
Conveyed medium Zone 2, Installation site Zone 1	Ⓔx	II 3/2G	Ex h IIB+H2 T3 or T4* Gc/Gb
Conveyed medium Zone 1, Installation site Zone 1	Ⓔx	II 2G	Ex h IIB+H2 T3 or T4* Gb
Conveyed medium Zone 1, Installation site Zone 2	Ⓔx	II 2/3G	Ex h IIB+H2 T3 or T4* Gb/Gc
Conveyed medium no Zone, Installation site Zone 1	Ⓔx	II -/2G	Ex h IIB+H2 T3 or T4* -/Gb

*) T3 or T4 according to the attached motor. The fan as a non-electrical component corresponds to T4.

COLASIT AG Spiez, 11/25/2022

U. Moser
(Division manager)

Andreas Roth
(Authorized Representative)

(13) **Appendix of the ATEX Declaration of Conformity**

(14)

Declaration of Conformity	TD-000 824

(15) **Description of the product**

- Centrifugal fans of the series CMVpro 125 to 400 ATEX are used to extract room air or process exhaust air. They are driven directly by electric motors.
- Conveyed media are chemically aggressive gases, vapors, or air contaminated with them.
- Material selection depends on the requirements (zone inside/outside) and the presence of droplets.

(16)

Test report	TD-000 823

(17) **Special conditions**

- If the fans are used in potentially explosive atmospheres of Zone 1 or 2, they may only be operated with electric motors for which a corresponding approval (EU type examination certificate) is available.
- Ambient temperature: $T_{amb.}$ -20 °C to +40 °C
- Maximum temperature of the conveyed medium: according to data sheet, max. 60 °C.
- The minimum volume flow rate through the fan, which is listed on the data sheet, must be observed.
- The fan must be connected to the local potential equalization.
- The operator is responsible for ensuring that only substances are conveyed to which the materials used are resistant.
- Modifications to the named products are not permitted unless expressly authorized in writing by the manufacturer.
- All service and repair work shall be carried out by trained maintenance personnel.

Additional information

- Centrifugal fans of equipment category 3 may only be used for the extraction of gases for which the frequency of occurrence of flammable or explosive atmospheres corresponds ATEX Zone 2.
- If the named products are incorporated into a higher-level machine, the new risks arising from the incorporation must be assessed by the manufacturer of the new machine.

This certificate may only be reproduced in full and without modification.

15.1 ATEX test report

The ATEX test report:

- Serves to verify the proper mounting and initial commissioning as well as the permissible operating conditions of an ATEX-certified fan.
- For ongoing operation, it is recommended to keep a machine logbook in which the explosion protection testing is also entered.

Templates for the ATEX test report and machine logbook can be obtained from the point of contact.