

Part 3: Certification

19 Certifications

19.1 EU declaration of conformity

EU-Konformitätserklärung

Déclaration UE de conformité

EU declaration of conformity

Wir

Nous

We

COLASIT AG

Faulenbachweg 63


CH-3700 Spiez

erklären in alleiniger Verantwortung, dass das Produkt
déclarons de notre seule responsabilité que le produit
bearing sole responsibility, hereby declare that the product

Kunststoff-Industrieventilator
Ventilateur industriel en plastique
Plastic industrial fan
CMVeco 125-400

auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokumenten
übereinstimmt:

auquel se rapporte la présente déclaration est conforme aux normes ou aux documents normatifs suivants:
referred to by this declaration is in conformity with the following standards or normative documents:

Bestimmungen der Richtlinie Désignation de la directive Provisions of the directive	Titel und/oder Nummer sowie Ausgabedatum der Norm(en): Titre et/ou numéro ainsi que date d'émission de la/des norme(s): Title and/or number and date of issue of the standard(s):																				
2006/42/EG: Maschinensicherheit 2006/42/CE: Sécurité des machines 2006/42/EC: Machinery safety	EN ISO 12100: 2011 EN ISO 13857: 2008 EN 60204-1: 2019																				
2014/30/EU: Elektromagnetische Verträglichkeit 2014/30/UE: Compatibilité électromagnétique 2014/30/EU: Electromagnetic compatibility	EN 61000-6-2: 2005																				
Name und Adresse des Dokumentationsverantwortlichen: Nom et adresse de la personne responsable de la documentation: Name and address of the person authorised to compile the relevant technical documentation:	Andreas Roth COLASIT AG Faulenbachweg 63 CH-3700 Spiez																				
Bei Verwendung im Ex-Bereich Pour utilisation dans zone Ex For use in Ex zones																					
2014/34/EU: Geräte und Schutzsysteme zur bestimmungsgemässen Verwendung in explosionsgefährdeten Bereichen 2014/34/UE: Appareils et système de protection destinés à une utilisation correcte en atmosphère explosibles 2014/34/EU: Equipment and protective systems intended for use in potentially explosive atmospheres	EN 1127-1: 2012 EN 80079-36: 2016 EN 80079-37: 2016 EN 14986: 2007																				
Ex-Kennzeichnung: Marquage Ex: Ex Marking:	 <table style="display: inline-table; vertical-align: middle;"> <tr> <td>II 3/- G</td> <td>Ex h IIB+H₂</td> <td>T3</td> <td>T4</td> <td>Gc/-</td> </tr> <tr> <td>II 3/3 G</td> <td>Ex h IIB+H₂</td> <td>T3</td> <td>oder T4</td> <td>Gc</td> </tr> <tr> <td>II 2/3 G</td> <td>Ex h IIB+H₂</td> <td>T3</td> <td>ou T4</td> <td>Gb/Gc</td> </tr> <tr> <td>II 2/2 G</td> <td>Ex h IIB+H₂</td> <td>T3</td> <td>T4</td> <td>Gb</td> </tr> </table> <p style="text-align: right; margin-top: 10px;">T3/T4 gem. Typenschild T3/T4 selon la plaque signalétique T3/T4 acc. to the rating plate</p>	II 3/- G	Ex h IIB+H ₂	T3	T4	Gc/-	II 3/3 G	Ex h IIB+H ₂	T3	oder T4	Gc	II 2/3 G	Ex h IIB+H ₂	T3	ou T4	Gb/Gc	II 2/2 G	Ex h IIB+H ₂	T3	T4	Gb
II 3/- G	Ex h IIB+H ₂	T3	T4	Gc/-																	
II 3/3 G	Ex h IIB+H ₂	T3	oder T4	Gc																	
II 2/3 G	Ex h IIB+H ₂	T3	ou T4	Gb/Gc																	
II 2/2 G	Ex h IIB+H ₂	T3	T4	Gb																	

Spiez, 31.10.2019



U. Moser (Geschäftsführer/directeur/chief executive officer)

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 – **Directive RL 2014/34/EU (ATEX)**

Document number : **TD-000 744**
Product designation: Medium pressure radial fan CMVeco 125-400 ATEX
Hersteller: 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 Directive 2014/34/EU (ATEX). The results are recorded in the confidential **Test Report TD-000 813**. All related documents are kept at the centres named below:





QS Zürich AG, named centre CE 1254
Wehntalerstrasse 3
CH-8057 Zürich

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 Annex II of the Directive.

The following harmonised standards were applied:

EN 1127-1: Explosive atmospheres – Explosion protection, Part 1, 2011
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, 2007

The marking on the appliance must comprise the following information:

 II 3/-G Ex h IIB+H₂ T3 or T4 Gc/- (conveyed medium Zone 2, site of installation no Zone)
 II 3/3G Ex h IIB+H₂ T3 or T4 Gc (conveyed medium Zone 2, site of installation Zone 2)
 II 2/3G Ex h IIB+H₂ T3 or T4 Gb/Gc (conveyed medium Zone 1, site of installation Zone 2)
 II 2/2G Ex h IIB+H₂ 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 Directive 2014/34/EU (ATEX).

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, 31.10.2019



Andreas Roth
Authorised representative for documentation



Urs Moser
On behalf of the executive management

Enclosure

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 test 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.

This certificate may only be copied in full without any changes.