



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BVS 14.0123X** Page 1 of 6 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2014-12-12)
Date of Issue: 2021-08-06
Applicant: **RECO Gesellschaft für Industriefilter-Regelung mbH**
Junkersring 11
53844 Troisdorf
Germany
Equipment: **Filter control type RM*, IP*, ESM*, JBC*, UCT and Filtronic**
Optional accessory:
Type of Protection: **Protection by Enclosure 't'**
Marking: **Ex tc III C T85°C Dc**

Approved for issue on behalf of the IECEx
Certification Body:

Dr Michael Wittler

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

06.08.2021

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 14.0123X**

Page 2 of 6

Date of issue: 2021-08-06

Issue No: 1

Manufacturer: **RECO Gesellschaft für Industriefilter-Regelung mbH**
Junkersring 11
53844 Troisdorf
Germany

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/BVS/ExTR14.0116/01

Quality Assessment Report:

DE/BVS/QAR14.0013/06



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 14.0123X**

Page 3 of 6

Date of issue: 2021-08-06

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and type

Filter control type RM*, IP*, ESM*, JBC*, UCT and Filtronic

RM-Variants	IP Variants	ESM Variants	JBC Variants	UCT Variants	Filtronic Variants
RM-V8/16 RM-VR18 RM-BV8 / 12 RM-200 ATEX RM-208C ATEX RM-216C ATEX RM-310C/CT RM-350 ATEX RM-5000 DP RM-DPC Micro RM-DPT Micro RM-BV4 Micro RM-BV4 Micro Plus	IPC IPC DP IPC DP M	ESM-3 ESM-9	JBC21 JBC41	UCT	Filtronic FIL-TRONIC 2020_xV

Description

The filter control type RM*, IP*, ESM*, JBC*, UCT and Filtronic is used to control solenoid valves on fabric filters with pulsed compressed air cleaning. The filter controller consists of a polycarbonate case with either blue or transparent lid.

The filter control is connected with measuring tubes made of silicone with the clean gas and raw gas side of the filter to be monitored. Directly to the respective sampling point it is ensured by appropriate filter elements that no dust particles can penetrate through the tubes into the interior of the filter control.

The hoses are routed through bulkhead connectors into the housing, the electrical energy supplied separately via certified cable glands.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The filter control must be mounted so that it is protected against UV light exposure.

The filter control enclosure and lid must be protected against mechanical forces.



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 14.0123X**

Page 4 of 6

Date of issue: 2021-08-06

Issue No: 1

Equipment (continued):

Parameters

Type	Voltage [V]	Current [A]	Max. Power	Ambient temperature range	Max. surface temperature T	IP rating
RM-V8/16	DC 24	1.0	24 W	-10 °C... +50 °C	85 °C	IP 6X
RM-VR18	AC 110 AC 230	0.15 0.07	16 VA			
RM-BV8 / 12	AC 110 AC 230	0.15 0.07	16 VA			
RM-200 ATEX	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
RM-208C ATEX	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
RM-216C ATEX	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
RM-310C/CT	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
RM-350 ATEX	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
IP*	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
ESM-3	AC 110 AC 230	0.10 0.05	10 VA			
ESM-9	AC 110 AC 230	0.15 0.07	16 VA			
JBC*	DC 24	1.50	36 W			
	AC 110 AC 230	0.15 0.07	36 VA			
Filtronic	AC 110 AC 230	0.15 0.07	16 VA			
FIL-TRONIC 2020_xV	AC 110 AC 230	0.15 0.07	16 VA			
UCT	AC 320 AC 400	0.07 0.04	16 VA			
RM-DPC Micro	DC 24	0.15	3.6 W			
	AC 110 AC 230	0.032 0.017	3.5 VA			



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 14.0123X**

Page 5 of 6

Date of issue: 2021-08-06

Issue No: 1

Type	Voltage [V]	Current [A]	Max. Power	Ambient temperature range	Max. surface temperature T	IP rating
RM-DPT Micro	AC 110 AC 230	0.014 0.007	1.5 VA			
RM-BV4 Micro	AC 110 AC 230	0.10 0.05	10 VA			
RM-BV4 Micro Plus	DC 24	1.0	24 W			



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 14.0123X**

Page 6 of 6

Date of issue: 2021-08-06

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New type variants of the device without technical changes.