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UNITED KINGDOM CONFORMITY ASSESSMENT
UK-TYPE EXAMINATION CERTIFICATE

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3]

Type Examination Certificate No.: **UL21UKEX2016X**

[4]

Product: **Intrinsically safe purging controller vent, Models EPV-6000-**-**, EPV-6500-**-****

[5]

Manufacturer: **Pepperl+Fuchs SE**

[6]

Address: **Lilienthalstrasse 200, 68307 Mannheim Germany**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential report **4789878471.1.1**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-2:2014

EN 60079-11:2012

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

[11]

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the product shall include the following:

II 2 G **Ex ib [pxb Gb] IIC T4 Gb**

II 2 D **Ex ib [pxb Db] IIIC T135°C Db**

II 2 G **Ex ib [pyb Gb] IIC T4 Gb**

II 2 D **Ex ib [pyb Db] IIIC T135°C Db**

Certification Manager

David Lloyd

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the Ex UK Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2021-07-28

Approved Body

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK
Phone : +44 (0)1256 312100



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[14]

Schedule
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[15] Description of Product
The model EPV-6000-xx-xx and EPV-6500-xx-xx is an intrinsically safe device which is used in conjunction with either the model 6000 or the model 6500 purge controller respectively. The device is intended to provide the pressure sensing and flow sensing function of the associated purge system along with the enclosure pressure relief valve.

Nomenclature is as follows:

EPV –aaaa-bb-cc, where

aaaa -	is either series 6000 or 6500
bb -	is material used, AA for anodized aluminium, SS for aluminium body and type 316 or 304 stainless steel for cover.
cc -	is any two digit alphanumeric character to identify the relief valve and flow measurement capabilities of the vent.

Temperature range

-20°C to + 60°C (model EPV6000)
-20°C to + 70°C (model EPV6500)

Electrical data

Intrinsically safe specifications:

The EPV 6000 vent must be connected only to the Pepperl+Fuchs SE model 6000 purge controller in accordance with the instructions.

The EPV 6500 vent must be connected only to the Pepperl+Fuchs SE model 6500 purge controller in accordance with the instructions.

Installation instructions

Unused apertures shall be closed with suitable blanking elements.

For ambient temperatures below –10 °C and above +60 °C use field wiring suitable for both minimum and maximum ambient temperature.

Routine tests

None.

[16] Test report No. (associated with this certificate issue):
US/UL/ExTR/15.0172/02

[17] Specific conditions of use:

- Cables used to connect to an EPV- vent must be provided with at least 0.25mm insulation thickness per conductive core to maintain segregation between intrinsically safe circuits.
- In hazardous dust environment, regularly remove dust from the EPV vent to prevent excessive temperature rise. See certificate for full information.
- In hazardous dust environment, the connector end of the vent shall be protected from direct exposure of a UV light source.

[18] Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

Additional information

The EPV6000 and EPV6500 have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.

The trademark  **PEPPERL+FUCHS** will be used as the company identifier on the marking label.

Products shipped under the UL21UKEX2016X certificate may be used with already installed equipment certified under the SIRA 09 ATEX 9337X certificate. When this situation occurs, the specific conditions of use and installation instructions referenced in the UL21UKEX2016X certificate shall be considered

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[19] Drawings and Documents

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Technical details of EPV-YYYY-xx-xx purge system vent	16-B022UL-00	A	05-MAY-2021
Schematics for EPV-YYYY-xx-xx purge system vent	16-B022UL-01	-	20-AUG-2015
Relevant Components for EPV-YYYY-xx-xx Purge system vent	16-B022UL-02	-	09-NOV-2015
Mechanical Parts for the EPV-YYYY-xx-xx purge vent	16-B022UL-04	-	09-NOV-2015
PCB layouts and PCB stackup for EPV-YYYY-xx-xx purge system vent	16-B022UL-05	-	24-AUG-2015
EPV-YYYY-xx-xx purge system vent assembly details and conformal coating	16-B022UL-07	-	23-SEPT-2015
Manual for EPV-YYYY-xx-xx Purge system vent	16-B022UL-09	-	09-MAR-2016
Labels and markings for EPV-YYYY-xx-xx Purge system vent	16-B022UL-10	A	5-MAY-2021
6000 purge system and accessory components	116-B027	A	30-SEP-2019
Manual for 6500 purge system	16-B016UL-09	-	6-APR-2016
EPV-6000/6500 - UKEX Manual Requirements	16-B022PF-09	0	2021-JUL-19
EPV-6000/6500 - UKEX Marking Requirements	16-B022PF-10	0	2021-JUL-16

