[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3] EU-Type Examination Certificate Number: **DEMKO 15 ATEX 1622X** Rev. 1

[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 Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **US/UL/ExTR15.0172/02.**

[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**

[10] If the sign "**X**" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following:

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

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

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

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

Certification Manager
Jan-Erik Storgaard

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 ATEX 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 Directives. 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: 2016-04-13

Re-issued: 2021-05-28

Notified Body   UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

[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
-20ºC ≤ Ta ≤ 60ºC (model EPV6000)
-20ºC ≤ Ta ≤ 70ºC (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]   Descriptive Documents
The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[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
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

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.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

This EU-Type Examination Certificate applies for the products that were previously certified under SIRA 09 ATEX 9337X. This certification only covers those products that were manufactured according to the design covered by this certificate. Products shipped under the DEMKO 07 ATEX 0705753X 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 DEMKO 07 ATEX 0705753X certificate shall be considered.