



# 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](http://www.iecex.com)

Certificate No.: **IECEX TPS 21.0006X** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2021-05-20  
Applicant: **Anton Paar GmbH**  
Anton-Paar-Strasse 20  
Graz, 8054  
**Austria**  
Equipment: **Inline Pump 300 Ex d**  
Optional accessory: N/A  
Type of Protection: **Constructional Safety "c"; Equipment Assembly 60079-46**  
Marking: Ex h IIB T4 Gb  
Ex 60079-46 IIB T4 Gb  
Ta = -25 °C to +60 °C  
Tp = -25 °C to +80 °C

Approved for issue on behalf of the IECEx  
Certification Body:

**Dipl.-Ing. Ulrich Jacobs**

Position:

**Technical Certifier IECEx**

Signature:  
(for printed version)

Date:

**2021-05-20**

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**TÜV SÜD Product Service GmbH**  
**Ridlerstr. 65**  
**D-80339 Munich**  
**Germany**



Product Service



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Manufacturer: **Anton Paar GmbH**  
Anton-Paar-Strasse 20  
Graz, 8054  
**Austria**

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 TS  
60079-46:2017](#) Explosive atmospheres - Part 46: Equipment assemblies  
Edition:1.0

[ISO 80079-36:2016](#) Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements  
Edition:1.0

[ISO 80079-37:2016](#) Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"  
Edition:1.0

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/TPS/ExTR21.0022/00](#)

Quality Assessment Report:

[DE/TPS/QAR14.0002/04](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Inline Pump 300 Ex d is a centrifugal pump with a magnetic coupling for non-corrosive, low viscous liquids. It supplies density sensors with a constant product flow.

The Inline Pump 300 Ex d can be combined with the following density sensor types:

- L-Dens 7400 (all models)
- L-Dens 7500 (all models)
- L-Com 5500 (all models)

The Inline Pump 300 Ex d consists of the mechanical part of the pump called "**Pump Unit**", and the motor called "**DC Motor**". The motor is already IECEX certified with the CoC Number **IECEX QPS 19.0028X**.

Relationship between the process media temperature and the maximum process media pressure is as follow:

$T_p \leq 70 \text{ }^\circ\text{C}$ :  $p \leq 50 \text{ bar}$   
 $70 \text{ }^\circ\text{C} < T_p \leq 80 \text{ }^\circ\text{C}$ :  $p \leq 16 \text{ bar}$

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The application of the Inline Pump 300 Ex d is limited for use with L-Dens 7000 series of density sensors and L-Com 5500 series of density and sound velocity sensors made by the same manufacturer Anton Paar GmbH, Austria.
2. When in application with L-Dens 7000 (IECEX QPS 18.0002X) and/or L-Com 5500 (IECEX QPS 19.0001X), the Specific Conditions of Use given through the aforementioned individual certificates remain unchanged.
3. No modifications may be made to the cylindrical tube-to-adapter flamepath without consultation to the manufacturer's drawings.
4. It's not allowed to open the instrument when an explosive atmosphere may be present.
5. All conduits to be sealed within 18 inches (0.46 m).
6. Field wiring must be suitable for a minimum of 90 °C.
7. For cable entrances only already certified Ex d or Ex db cable glands for application and rated for a minimum of 80 °C to be used.
8. Unused openings must be closed by use of already certified Ex d or Ex db stopping plugs (blind plugs) suitable for application and rated for a minimum of 80 °C.
9. The plastic transport sealing plugs do not meet the requirements and must therefore be replaced during installation.



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**Equipment (continued):**

Mat. No.	Article	Wetted Parts
229763	Inline Pump 300 Ex d with EPDM O-rings for L-Dens 7400 Ex d	1.4404, SSiC, WC, EPDM
244471	Inline Pump 300 Ex d with FKML O-rings for L-Dens 7400 Ex d	1.4404, SSiC, WC, FKM-LT
244469	Inline Pump 300 Ex d with EPDM O-rings for L-Dens 7400 Ex d NPT	1.4404, SSiC, WC, EPDM
244474	Inline Pump 300 Ex d with FKML O-rings for L-Dens 7400 Ex d NPT	1.4404, SSiC, WC, FKM-LT
229764	Inline Pump 300 Ex d with EPDM O-rings for L-Dens 7500 Ex d	1.4404, SSiC, WC, EPDM
244472	Inline Pump 300 Ex d with FKML O-rings for L-Dens 7500 Ex d	1.4404, SSiC, WC, FKM-LT
244470	Inline Pump 300 Ex d with EPDM O-rings for L-Dens 7500 Ex d NPT	1.4404, SSiC, WC, EPDM
244475	Inline Pump 300 Ex d with FKML O-rings for L-Dens 7500 Ex d NPT	1.4404, SSiC, WC, FKM-LT
229765	Inline Pump 300 Ex d with EPDM O-rings for L-Com 5500 Ex d	1.4404, SSiC, WC, EPDM
244486	Inline Pump 300 Ex d with EPDM O-rings for L-Com 5500 Ex d NPT	1.4404, SSiC, WC, EPDM