

EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU
- (3) EU - Type Examination Certificate Number
- EPS 17 ATEX 1 072** **Revision 2**
- (4) Equipment: Process gas cooler Type GT5.Ex
- (5) Manufacturer: R. STAHL Schaltgeräte GmbH
- (6) Address: Am Bahnhof 30
74638 Waldenburg
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 16TH0335.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013

EN 60079-1:2014

EN 60079-31:2014

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

II 2G Ex db IIC T4 Gb ($T_{amb} +60^{\circ}C$)



II 2D Ex tb IIIC T130°C Db ($T_{amb} +60^{\circ}C$)

II 2G Ex db IIC T6 Gb ($T_{amb} +40^{\circ}C$)

II 2D Ex tb IIIC T80°C Db ($T_{amb} +40^{\circ}C$)



Certification department of explosion protection

Hamburg, 2020-12-09

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Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH. EPS 17 ATEX 1 072, Revision 2.

(13) **Annex**

(14) **EU - Type Examination Certificate EPS 17 ATEX 1 072**

Revision 2

(15) Description of equipment:

The GT5 Process Analyzer is designed to safely cool process, measurement and flue gases in gas analyzer technology. The gas to be measured is reliably lowered to a preset temperature / dew point via a 1200 mm stainless steel heat exchanger (spiral shape).

Ambient temperature range: -20°C to +40°C or +60°C

Electrical data:

85 V AC to 264 V/AC, 150 VA, 24 V/DC, Connection 0.7-1.5 mm², 2 x M20 Ex

Manufacturer of Ex enclosure is R.Stahl

Manufacturer of Process cooler is:
SUN-Control-Analytik GmbH
Pfarrer-Bunk-Straße 21
86637 Wertingen
Germany

Ex marking for zone 2 version:

II 3G Ex db IIC T4 Gc (T_{amb} +60°C)

II 3D Ex tc IIIC T130°C Dc (T_{amb} +60°C)

II 3G Ex db IIC T6 Gc (T_{amb} +40°C)

II 3D Ex tc IIIC T80°C Dc (T_{amb} +40°C)

(16) Reference number: 16TH0335

(17) Special conditions for safe use:

No

(18) Essential health and safety requirements:

Met by compliance with standards.

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