



(1) **EC-Certificate of Conformity**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres –  
**Directive 94/9/EC**

(3) EC-Certificate of Conformity Number:

**EPS 11 ATEX 1 401 X**

**Revision 1**

(4) Equipment: Cooling unit for function box enclosure, Type: ACAC-180W Ex Proof,  
ACAC-180BTU H Ex Proof and ACAC-180BTU V Ex Proof

(5) Manufacturer: INHECO Industrial Heating & Cooling GmbH

(6) Address: Fraunhoferstraße 11, 82152 Martinsried, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies, based on a voluntary testing, 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 report 11TH0472.

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

**EN 60079-0:2009**

**EN 60079-15:2010**

(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 schedule to this certificate.

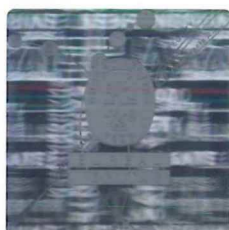
(11) This EC-Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 II 3G Ex nA IIA T5 Gc

Certification department of explosion protection

Nuremberg, 2015-06-09



  
D. Zitzmann



(13) **Annexe**

(14) **EC-Certificate of Conformity EPS 11 ATEX 1 401 X**

**Revision 1**

(15) Description of equipment:

The module is located on the back of an electrical control cabinet in a pumping station of a natural gas pipeline. In the hazardous area there are only one of two cooling elements and one of the air conditioner's fans. The circumferential surface of the cooling element base is used, in a range of 20 mm, in combination with a flat gasket, for sealing the side surfaces from the interior of the function box. The assembly is screwed in place from inside the function box.

Electrical data:

	ACAC-180W Ex Proof	ACAC-1800BTU H Ex Proof	ACAC-1800BTU V Ex Proof
Assembly:	8700001	8700002	8700003
Power Consumption TEC:	452 W at 24 VDC	1600 W at 132 VDC	1500 W at 125 VDC
Power Consumption Ambient Fan:	19 W at 24 VDC	56 W at 24 VDC	56 W at 24 VDC
Power Consumption Cabinet Fan:	12 W at 24 VDC	35 W at 24 VDC	19 W at 24 VDC

(16) Test report: 11TH0472

(17) Special conditions for safe use:

The ambient temperature range differs from the standard temperature range and is  $-40^{\circ}\text{C} < T_a < +55^{\circ}\text{C}$ .

The device must be installed in the wall of an enclosure which establishes a minimum IP protection of IP54 according to EN 60529 and EN 60079-15.

The two cooling elements on the cabinet interior and exterior side need to be equipped with a temperature control which is suitable for Zone 2. If a temperature of  $75^{\circ}\text{C}$  is exceeded, the cooling unit must be shut down. The relevant instructions in the manual must be observed.

The transient protection of the equipment according to EN 60079-15, Chapter 13 is installed externally by the operator. The relevant information in the operating manual must be observed.

(18) Essential health and safety requirements:

Met by standards.

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Nuremberg, 2015-06-09

