

EC – Declaration of Conformity No. N10986-33G-Ex

according GD No. 23/2003 Coll. (Directive 94/9/E "ATEX")

Declaration of Conformity issued by Trade name: KUBÍČEK VHS s.r.o.
Registered office: Maršíkovská 615, 788 15 Velké Losiny, CR
Company ID: 26808919

as the manufacturer of product Name: **Blower Unit**
Type: **3DPA16*, -19*, -28*, -38*, -45*, -55*, -60*, -80*, -90*, -100***

Outline and operating principle of the product:

Blower Unit has been designed for use within ZONE 2 area - inside (pipelines) and outside (surrounding area).

Gas intake is made via inlet piping, axial bellows, absorption muffler and suction manifold into Blower. Blower conveys gas to the discharge side where it becomes compressed. Gas then flows via absorption muffler, axial bellows, outlet piping and check valve. Unit's suction side and discharge side are connected to the gas line by means of flat flanges. Blower is driven via V-belt drive of antistatic construction, by electric motor of non-explosion construction.

Gas inlet and outlet temperatures of the Unit are measured by thermometers on Blower Unit's inlet and outlet piping. Temperature sensor is used to read gas outlet temperature.

Gas pressure at suction side and discharge side is indicated on pressure gauges, and read by pressure sensors. Operator's control system provides for evaluation of the signal from these sensors so to avoid any underpassing of set operating suction pressure of gas, or eventually exceeding set operating discharge pressure of gas, and exceeding set operating outlet temperature of gas.

Check valve prevents gas back flow through Blower Unit and turning the Blower in opposite direction. Check valve has been installed downstream discharge piping. Rubber bushings are used to avoid transfer of Unit's vibrations to the foundations. Axial bellows are used to avoid transfer of vibrations to the piping. Noise silencers are fitted with adapters incl. ball valves and plugs to drain any condensate.

Blower Unit can be equipped with acoustic hood of antistatic version, for indoor and outdoor use.

Designation of Blower Unit:  II 3/3G c IIB+H2 T3

This is to declare and confirm that:

- A) Given product is safe under the conditions of its normal and User Manual-specified application., and that measures have been adopted that secure the compliance of all the products launched on market along with their engineering documentation, basic requirements of government decree that apply thereto, and with the requirements of engineering regulations quoted in Part B.
- B) This product's characteristics meet the engineering requirements that relate thereto, and which are quoted in:
1. GD No. 616/2006 Coll., to regulate engineering requirements for products in terms of their electromagnetic compatibility
 2. GD No. 23/2003 Coll., to regulate engineering requirements for equipment and safeguarding systems designed for use in Explosion Hazard Areas
 3. GD No. 176/2008 Coll., to regulate engineering requirements for machinery equipment
 4. GD No. 17/2003 Coll., to regulate engineering requirements for electrical equipment of low voltage
- C) The procedure laid down in the following was applied to review the compliance:
1. § 4 clause 1 GD No. 616/2006 Coll., to regulate engineering requirements for in terms of their electromagnetic compatibility
 2. § 3 clause 1 letter d) GD č. 23/2003 Coll., to regulate engineering requirements for equipment and safeguarding systems designed for use in Explosion Hazard Areas
 3. § 5 clause 2 GD No. 176/2008 as amended by later legal regulations, to provide for engineering requirements for machinery equipment
 4. § 3 clause 1 GD No. 17/2003 Coll., to regulate engineering requirements for electrical equipment of low voltage
- D) In order to adhere to the principle of complex safety against explosion, the measure has been adopted under Annex No. 2 point 1.0.1 letters. a, b) Govt. Decree No. 23/2003 Coll., to regulate engineering requirements for equipment and safeguarding systems designed for their use in Explosion Hazard Area
- E) The stated product complies with the following Czech engineering standards harmonized, and with Czech engineering standards that were applied during compliance review:
ČSN EN 1127-1, ČSN EN 1012-1, ČSN EN 13 463-1:2009, ČSN EN 13 463-5:2004, ČSN 33 2030,
ČSN EN ISO 12100-1, ČSN EN ISO 12100-2, ČSN EN ISO 14121-1, ČSN EN 60204-1 ed. 2

Last coupled issue of the year where CE marking was placed on the product: 12.


KUBÍČEK
DMYCHADLA
ROOTS BLOWERS

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In Velké Losiny, date 23.8.2012

Ing. Karel Kubiček