

CERTIFICATE OF TYPE



Reg. No. 226/08/07/02/0

Issued to the manufacturer:

2VV s.r.o
Poděbradská 289
CZ - 530 09 Pardubice
IČ: 620 65 467

For the product:

Name: **OPTIMAL Air Curtain**
 Type Designation: **VCO-B**
 Production Facility: **Poděbradská 289, 530 09 Pardubice**

in which the assessment, certification and the quality system assessment were carried out focused on elements ensuring the maintenance of product conformity with the certificate system TÜV SÜD Czech according to ČSN EN 45011:1998 and whose results are presented in the Assessment Report Reg. No. 690/70/08/BT/IZ/E from 14th May 2008.

The above indicated type of product conforms to the applicable requirements of the following regulation/ standard documents which formed the basis of its assessment:

ČSN EN 60335-2-30 ed.2:2004+A1:05+A2:08 (idt EN 60335-2-30:2003+A1:04 +A2:07), ČSN EN 60335-1 ed.2:2003+A11:04+A1:05+A12:06+A2:07 +Z1:07 (idt EN 60335-1:2002 +A11:04 +A1:04+A12:06+A2:06 +A1/Cor:07), ČSN EN 61000-6-3 ed.2:2007 (idt EN 61000-6-3 :2007), ČSN EN 55014-1 ed.3:2007(idt EN 55014-1:2006), ČSN EN 61000-3-2 ed.3:2006 (idt EN 61000-3-2 :2006), ČSN EN 61000-3-3:1997+Z1:02 +A2:06+Z2:07(idt EN 61000-3-3 :1995 +A1:01+A2:05+IS1:05), ČSN EN 55014-2:1998 +A1:02 (idt EN 55014-2:1997 +A1:01).

This certificate is valid until: **29th May 2013**

The details and validity conditions are indicated in the Supplement to this certificate which forms its inseparable part and consists of 1 page.

In Prague, on 29th May 2008




Ing. Ivo Dršťák
 Director of Certification
 Authority



1. The product sample was registered for assessment and certification on 17th April 2008.
2. The certificate was issued on the basis of supporting materials of the requestor: the order from 31th March 2008, the contract on inspection activity from 16th April 2008, the request for certification from 17th April 2008, the below listed production and accompanying technical documentation and the template of the conformity declaration.
3. The quality system audit focused on elements ensuring the maintenance of product conformity with certification requirements was carried out at the manufacturer of the product. The results are presented in the Report about supervision of the production facility and the production control system from 24th April 2008.
4. Detailed technical data characterising the product type/model (if specification is necessary):

Type (version)	Air capacity [m ³ /hour]	Noise [dB(A)]	Heater power [kW]	Heater voltage/current [V/A]	Fan voltage/current [V/A]	Weight [kg]
VCO-B-10S-1-0 (1)	2400	52,5	-	-	230/1,2	29,0
VCO-B-15S-1-0 (1)	3600	55,0	-	-	230/2,0	41,0
VCO-B-20S-1-0 (1)	4800	56,5	-	-	230/2,5	50,0
VCO-B-10E-2-0 (1)	2350	52,5	9,5	400/14,5	230/1,2	32,0
VCO-B-15E-2-0 (1)	3525	55,0	15,0	400/22,5	230/2,0	45,0
VCO-B-20E-2-0 (1)	4700	56,5	19,0	400/28,5	230/2,5	54,0
VCO-B-10M-2-0 (1)	2350	52,5	6,3	230/28,6	230/1,2	32,0
VCO-B-15M-2-0 (1)	3525	55,0	8,75	230/39,7	230/2,0	45,0
VCO-B-10V-2-0 (1)	2150	52,0	17,3	-	230/1,2	37,0
VCO-B-15V-2-0 (1)	3225	54,5	27,2	-	230/2,0	52,0
VCO-B-20V-2-0 (1)	4300	56,0	36,2	-	230/2,5	62,0
Protection class:	I					
Covering:	IP20					

5. The list of important parts of the technical documentation:
 - The documentation listed in the Assessment Report Reg. No. 690/70/08/BT/IZ/E from 14th May 2008.
6. Validity conditions
 - The certificate is valid only for its holder and for the products and production sites that are indicated in it.
 - Transferring this certificate from its owner onto third parties is not permissible as well as its use by third parties.
 - TÜV SÜD Czech must be immediately informed about any product modifications not conforming to the certified version. This circumstance may make the following validity of the certificate dependant on an additional conformity assessment.
 - The proper quality system operation by the producer is inspected by TÜV SÜD Czech on the basis of a concluded contract on inspection activity with the frequency of once a year.
 - This certificate is valid for 5 years from the date of issuing and it is renewable upon request.
 - This certificate can be copied only as a whole including all supplements.
 - This certificate is accompanied by the right to use the mark TÜV SÜD Czech.
 - The holder of the certificate undertakes to keep records of all possible complaints related to the conformity of products with the regulatory requirements and standards, and to submit those records to the certificate authority TÜV SÜD Czech.
 - In a more closely specified context (advertising, using the testing mark and certificates), it is subject to General Conditions for Product Certification, as amended.