



Consulting • Service • Sales



D+H Mechatronic AG, Georg-Sasse-Str. 28-32, 22949 Ammersbek/Hamburg, Germany  
Phone: +49 40 605 65-0, Fax: +49 40 605 65-222  
Internet: [www.dh-partner.com](http://www.dh-partner.com), e-mail: [info@dh-partner.com](mailto:info@dh-partner.com)

© 2006 D+H Mechatronic AG, Ammersbek

Art.-No. 99.700.46  
1.0/03/06

## Euro-SHEV

Smoke and heat exhaust ventilators according to EN 12101-2

*Powering your ideas!*



EN 12101-2

**Specification for natural smoke and heat exhaust ventilators**

**1 Scope**

This part of this European Standard specifies requirements and gives test methods for natural smoke and heat exhaust ventilators which are intended to be installed as a component of a natural smoke and heat exhaust system. (...)

**8 Evaluation of conformity**  
**8.1 General**

The compliance of natural smoke and heat ventilators with the requirements of this standard shall be demonstrated by:

- type testing
- factory production control by the manufacturer

**9 Marking**

The ventilator shall be marked with the following:  
(...) g) the classes for wind load, snow-load, low ambient temperature, reliability and heat exposure temperature; (...)

**Annex ZA.3 CE marking**

The manufacturer (...) is responsible for the affixing of the CE marking. The CE marking symbol to affix (...) shall be shown on the smoke and heat ventilator. (...)



*D+H offer both tested smoke and heat exhaust ventilators according to EN 12101-2 as well as customised solutions.*

**The new standard for smoke and heat exhaust**

D+H, as a specialist for smoke ventilation, introduces with Euro-SHEV a smoke vent solution according to the new European standard. The new EN 12101-2 for natural smoke and heat exhaust ventilators (NSHEV) has been in force in all EU states since 1 Apr 2004, in parallel with national regulations.

As of 1 Sep 2006, the new standard supersedes the national regulations.

**Tested systems with CE markings**

For naturally functioning smoke and heat exhaust, EN 12101-2 requires complete system solutions, consisting of windows or light domes, with drives, so-called NSHEVs. These tested standard systems carry a CE marking, and are permitted under planning and building regulations.

As well as functional certainty, this also guarantees a high degree of planning and cost certainty.

**Standard and customised solutions**

D+H offer both tested and certified Euro-SHEV systems and customised smoke and heat exhaust solutions.

Where Euro-SHEV systems are used, there are no additional testing charges in the licensing procedure.

Alternatively, customised NSHEV solutions are only permissible with the approval of the competent planning authorities – usually at additional cost.

**Tested and certified standard systems**

With Euro-SHEV we offer a wide selection of certified systems, based on the current aluminium profile series of the leading systems houses. This variety guarantees you the architectural freedom you are used to, together with complete planning and implementation certainty.

In addition, we have certifications in connection with light domes and windows from different manufacturers.

**Customised smoke exhaust ventilators**

Customised designed window facades or glass roofs which require specially constructed NSHEVs are only allowed with expressed permission.

D+H can support you as required in producing the appropriate agreement certificates to be presented to the competent building control authorities.

**You can get detailed information from your D+H service and sales agents, or directly from D+H.**



**Advantages of Euro-SHEV**

- Wide selection of aluminium profile systems
- Tested and certified systems
- Complete implementation and planning certainty
- No testing or permit costs