

# Type Approval and decision on production control 0016/05

### BASIC non-return damper

### Holder/Issued to

### Hagab Industri AB

Box 135, SE-562 02 Taberg, Sweden

### **Product description**

The Basic non-return damper is designed for use in a ventilation system with rigid steel ventilation ducts in conjunction with mechanical supply and exhaust fans operating during a fire. Basic is available in four variants. Basic has a circular steel jacket and comes in the following sizes, for duct diameters 100, 125, 160, 200, 250 and 315 mm, with a self-actuating closing function.

Basic is activated by a change in the pressure differential between the HVAC systems supply air and the pressure in the fire compartment. Basic is to be installed in a ventilation duct.

Other conditions of use are set out in the related documentation.

### Intended use

The product is designed to prevent the spread of smoke in a mechanical supply and exhaust (which may include a heat exchanger) ventilation system (HVAC systems) used in buildings.

### Trade name

Basic

### **Approval**

The product satisfies the requirements set forth in chapter 8, 4 § 2 and 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR), issued by the National Board of Housing, Building and Planning.

HVAC systems*	5:533
HVAC systems	5:526
Microorganisms	6:24
Material	6:11

<sup>\*</sup>Project design must be carried out by qualified staff, see under the heading "Comments" on page 2. The protection time for the smoke is determined by the fire resistance time for the power supply to the HVAC systems fans and other equipment intended to prevent the spread of smoke.

### **Associated documents**

"HAGAB-INSTALLATION, DRIFT OCH SKÖTSEL BASIC 1" dated 2018 09.

Type Approval 0016/05 | 2024-02-01 RISE Research Institutes of Sweden AB | Certification

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<sup>&</sup>quot;HAGAB-INSTALLATION, OPERATION AND MAINTENANCE BASIC 2" dated 2022 06.

<sup>&</sup>quot;HAGAB-INSTALLATION, OPERATION AND MAINTENANCE BASIC 4" dated 2022 06.

<sup>&</sup>quot;HAGAB-DESIGN BASIC" dated 2018 11.

<sup>&</sup>quot;HAGAB DATABLAD BASIC 1", dated 2018 12.

<sup>&</sup>quot;HAGAB PRODUCT DATASHEET BASIC 2", dated 2022 06.

<sup>&</sup>quot;HAGAB PRODUCT DATASHEET BASIC 4", dated 2022 05.



## Type Approval and decision on production control

#### Control

The factory production control (FPC) is monitored by an independent inspection body. Control plan: Ref no. 210-99-0055 dated 1999-01-18, Rev 2016-12-09, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

### Manufacturing place

Production control includes the following place: Hagab Industri AB, Taberg, Sweden.

### Marking

The product is to be marked at the factory. The marking consists of a sign, label or text on every product supplied and includes:

Holder / Manufacturing place Hagab Industri AB, Taberg

Product type designation e.g. Basic 2

Consecutive manufacture no no Type approval number 0016/05

Type approval number 0016/0
Boverket's registered trade mark

RISE Accreditation number 1002

Certification body and Inspection body RISE

### Basis for approval

Report no. FOI Memo 1190 from the Swedish Defence Research Agency. Drawings in accordance with list of drawings dated 2022-05-02 rev H.

#### Comments

The manufacturer's project design and installation instructions must be included with every product supplied or shall accompany the product or by other means be available to users of the product.

The fire protection documentation that must be created in accordance with BBR 5:12 shall set out the method for guaranteeing the function of the counterflow protective device.

The product satisfies air-tightness class 2 according to AMA VVS & Kyl 16, figure QJB/1. Project design must be carried out by an adequately qualified person, at least commensurate with qualification K according to BFS 2011:17 or equivalent.

This type approval supersedes the previous type approval with the same number dated 2022-06-10.



# Type Approval and decision on production control

### **Validity**

Valid through 2029-01-31.

Validity of this type approval can be verified on our website.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence