

# Hagab Inert gas damper IRBB and ICBB

Holder/Issued to

## Hagab Industri AB

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### Product description

Hagab Inert gas damper IRBB, pressure relief damper, is a rectangular insulated damper with insulated damper blade. Max. dimension B × H 1000 × 800 mm.

Hagab Inert gas damper ICBB, pressure relief damper, is a circular insulated damper with insulated damper blade. Max. dimension Ø 630 mm.

### Intended use

Inert gas damper is installed as pressure relief damper in rooms equipped with stationary extinguishing systems, this to prevent damage to building structures due to pressure increase from the extinguishing system. Normally the damper is closed and protects the room from fire / fire gases in case of fire in adjacent areas. In case of fire, the inert gas damper is activated with a built-in drive unit and is opened by the pressure in the extinguishing system. When the atmospheric pressure and the extinguishing agent concentration have been calculated, the damper closes.

### Trade name

IRBB and ICBB

### Approval

The products satisfy the requirements set forth in chapter 8, 4 § 2 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Fire resistance class EI 60 / EI 120

5:231

Applies to mounting on concrete or concrete floors, as well as concrete, light concrete, brick or flexible wall (metal stud gypsum plasterboard wall) and ventilation ducts.

### Associated documents

"Inertgasspjäll ICBB Installation, drift och skötsel", dated 2017, 2 pages.

"Inertgasspjäll ICBB Datablad", dated 2017, 2 pages.

"Inertgasspjäll IRBB Datablad", dated 2018-11, 5 pages.

"Inertgasspjäll IRBB Installation, drift och skötsel", dated 2018-11, 2 pages.

"Inertgasspjäll ICBB IRBB Produktblad", dated 2018-11, 2 pages.

### Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: Ref no. 210-99-0055. Inspection body: RISE Inspection.

Type approval SC0001-13 | 2018-11-25

RISE Research Institutes of Sweden AB | Certification

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2018-01-300



6P07343



### Control continue

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 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 approval is based.


### Manufacturing place

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

### Marking

The products are to be marked at the factory. The marking consists of a sign on each delivered damper and comprises:

Holder and manufacturing place  
Product type designation  
Consecutive manufacture no.  
Type approval number  
Fire resistance class  
Boverket's registered trade mark  
RISE Accreditation number  
Certification body and Inspection body

Hagab Industri AB, Taberg, Sweden  
IRBB and ICBB  
Number  
SC0001-13  
EI60 / EI120  
  
1002  
RISE

### Basis for judgement/approval

Report P204868B and C, PX01502, P906140, P906144, P906146, PX01504, PX03837, 94E20484, 94E20542, 94R12500, 94R12482, 96R12800 A, 96R12800 C, 96E2 1162, P006620, 99R12496 and 3P03571 from SP Sweden Technical Research Institute.  
Drawings for ICBB according to drawing list dated 2018-11-21.  
Drawings for IRBB according to drawing list dated 2018-11-23.

### Comments

Installation instructions must accompany each delivered damper.

This approval supersedes the previous approval with the same number dated 2017-10-30.

### Validity

Valid through 2023-11-24.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Annika Hermodsson

Ingvar Pettersson

*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.*