



"Protection of sensitive and valuable equipment requires dampers that are both reliable and robust."

ICBB IRBB Inert gas damper

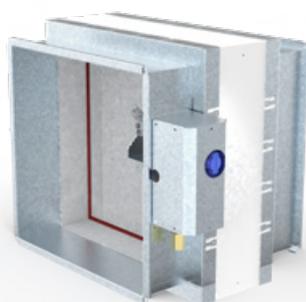
In the most extreme cases.

Inert gas dampers can be an important link in the overall fire protection of, for example, computer rooms, monitoring centers in power plants, industries or military installations. Premises with great demands on fire protection.

In buildings with highly sensitive or valuable equipment, a stationary, local fire protection system is often installed. So-called inert gases – extinguishing gases – are forced out under high pressure into the protected room. The gas quickly reduces the oxygen level in the air and any potential fire will die out. However, the increase in pressure is so high that there is a risk of damage to the premises and structure of the building. Hagab's inert gas damper opens automatically in the case of excess pressure in the system. When the gas pressure drops, the damper closes and the oxygen level remains low in the fire room.

The damper is designed to open if the extinguishing gas system is triggered.

The gas will quickly smother the fire. However, if there is a fire in adjoining premises, the damper will remain closed to prevent the fire spreading into the adjoining fire cells.



HAGAB®

**IRBB INERT GAS DAMPER**

Damper for protection against fire in premises with fixed extinguishing gas systems.
Size 200 x 200 - 1000 x 800 mm.

Material: Galvanized steel plate, stainless steel optional



No for unauthorized handling

Dampers assigned to this special task are available in two different versions: one rectangular and one circular. The dampers are equipped with a drive unit, which allows them to be calibrated in relation to the pressure in the extinguishing system. The drive unit is mounted on the right side of the IRBB* in a closed cabinet to prevent any unauthorized tampering. The system designer is responsible for obtaining the correct opening area. It is based on a calculation where, among other things, trigger time, room volume and the amount of extinguishing gas are critical parameters. It is important that the correct opening area is obtained in order to achieve optimal protection. The dampers are therefore manufactured in many different sizes, with the largest measuring up to 800 x 1000 mm.

INSULATION MEET EASY

The dampers are built to meet fire class EI 60 or EI 120, which means that they can withstand a fire for more than 60 or 120 minutes respectively. Dampers that are not ducted must be fitted with a protective grid and/or burglar bars. The dampers can easily be covered with insulation when mounted outside the fire separating element.

* The actuator can be mounted on the left side for an additional fee.

FACTS

Fire class: EI 60, EI 120

Approval: Type approved

Material: Galvanized steel plate, optional stainless steel plate

Testing: SP Technical Research Institute of Sweden, certified by SP Certification

Type approval SC 0001-13

Description: Damper for protection against fire in premises with fixed extinguishing gas systems.

Protects premises against fire in adjoining spaces. Relieves pressure when the extinguishing gas system is triggered. Maintains the extinguishing gas concentration.

