

# ACCESSORIES / OPTIONS

## Signaling

**Actuation of rupture discs and explosion panels can be detected by utilizing a signaling cable. The Signaling device is ultra-low current, is intrinsically safe and operates on a simple Open-Closed principle (normally closed). Different standard types are available:**

### Type SK / RSK / SR

The SK, RSK or SR Signaling cables are a proven reliable method of signaling. The signaling cable is installed at the breaking point of the disc/panel. When the disc/panel actuates, the closed circuit is interrupted due to the cable break. No additional assembly is required and no moveable parts remain.



*Triple-section-bursting disc including signaling unit SK*

### BIRD

The BIRD Signaling unit is recommended for existing rupture disc or explosion panel installations that do not have a Signaling device installed. A ceramic bar incorporating electrical conductors is mounted in the flow direction downstream of the disc/panel. When the disc/panel actuates the element breaks (fragments) and the closed circuit is interrupted.

### Fiber Optic BIRD

This design provides signaling by means of optical fiber. Due to zero electrical current, the signaling device is suitable for use in hazardous areas and for temperatures up to 932 °F (500 °C).



*BIRD (Burst Indicator REMBE Design) is ideal for retrofitting of bursting discs/explosion panels.*

### SSL fiber optic signaling unit

If the optic fiber cracks due to the movement of the rupture panel the light stream of this waveguide is interrupted. The downstream optoelectrical converter immediately provides an electrical signal which can also be used for electronic data processing. The SSL fiber optic signaling unit is aluminium coated and heat resistant up to 932° F.

## CUSTOMER BENEFITS

- Safe and quick shutdown in case of an explosion event
- Circuit breaker reaction time reduces production costs
- Safe activation of monitoring and control systems resulting in significant cost savings

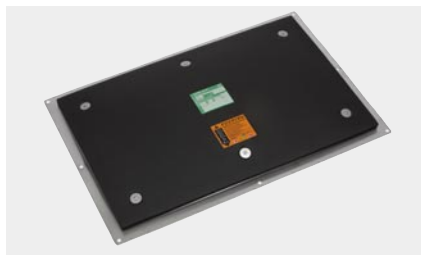
## Insulation / Gaskets / Weather Cover

### Assembly Accessories

If required, assembly kits made up of frames with corresponding nuts and bolts, are available in Galvanized Steel or Stainless steel.

### External Insulation

When specified, REMBE rupture discs/explosion panels are manufactured with a weatherproof insulation. Only closed-cell elastomer with reflecting high efficient coating is used. The insulation is permanently connected to the disc/panel and is of ultra-light weight. It has no impact or adverse effect on the functionality and burst rating of the relieving device. Depending on the design the insulation is suitable up to temperatures of 1,472 °F (800 °C).



*Explosion panel with IAF isolation*



*KAD weather cover for vent ducts*

### Gaskets

Besides the Klingersil standard gasket, FDA approved materials for sterile applications, e. g. silicone, EPDM are available. Additional gasket specifications on request.

### Weather Cover for Vent Ducts

The utilization of a 'Weather Cover' protects against any possibility of weather ingress (rain and snow) as well as preventing the possibility of providing a home for nesting birds and an entry point for foraging wildlife, rats, etc. (not a pleasant thought in a food and beverage facility).

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