

HRD SYSTEM

explosion suppression system

The HRD (high rate discharge) system is used for explosion suppression and is also ideal for use in technologies with increased hygiene requirements. Its function allows it to effectively suppress the explosion, thus limiting the explosion pressure inside the technology below its pressure resistance and preventing its destruction. The HRD system is ideal for use in combination with an explosion isolation device or a chemical explosion isolation system – HRD barrier.

The HRD explosion suppression system is FM approved according to Approval Standards 5700.

Benefits & applications

- + dust class St1 / St2 / St3 (metallic, non-metallic dust, hybrid mixtures)
 - + extremely fast response time
 - + explosion suppression for toxic and hazardous materials
 - + installation onto vibrating technology
 - + installation without the need for a safety zone around the protected technology
 - + CAN-BUS communication
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- hygienic design of components
 - independent archiving of detection data from detectors
 - variability of components

✓ EN 14373 ✓ NFPA 69

