

# IPR™

IMPULSE  
POWDER  
REACTOR



NEXT-GENERATION TECHNOLOGY IN FIRE SUPPRESSION

# IPR™ FIRE EXTINGUISHERS

**Fire Out. Safety In. 3 Seconds From Detection.**



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## IPR E.01

The IPR E.01 is specifically designed for the engine and hydraulic compartments of heavy machinery such as excavators and harbor cranes, where fire risk is high. Such environments are generally unsuitable for gas-based fire suppression systems.

The IPR E.01 is highly resistant to vibration, can be easily installed even in confined spaces, and features an adjustable discharge outlet that enables precise targeting of the protected area.

Thanks to its built-in heat sensor, the IPR E.01 can rapidly detect a fire and activate automatically without requiring an external power source

*In addition to its autonomous detection capability, the IPR E.01 can optionally be used with Thermo-Tag®. Thermo-Tag® features an IP67-rated metal housing specifically designed for oily, dirty, and impact-prone environments.*



## IPR E.02

This model is specifically designed for targeted suppression of fire-risk zones in high-ceilinged and large spaces within industrial facilities. It is an ideal solution for fire protection of hydraulic and engine compartments, chemical storage areas, and production-line machinery and equipment zones at fire risk. The IPR E.02 is highly resistant to vibration and can be easily installed even in confined spaces.

When used with Cordy-Tag® and LHD (Linear Heat Detection Cable), it enables a fire detection and suppression system in the hazardous area without requiring an external power source.

*The IPR E.02 can also be used with Thermo-Tag®. Thermo-Tag® features an IP67-rated metal housing specifically designed for oily, dirty, and impact-prone environments. It detects heat through its internal thermostats and generates the required electrical current to trigger the IPR E.02 unit.*



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## IPRE.03

Forklift battery charging areas are classified as hazardous zones and are typically located in open areas, under canopies, or in enclosed spaces within facilities. The ability of IPR technology to effectively suppress fires in open areas is one of its key advantages.

The **IPR E.03** can rapidly and efficiently protect an area of up to 7m<sup>2</sup>, with an 80-degree discharge angle, at ceiling heights of up to 3.5 meters.

*The IPR E.03 can be activated via its built-in autonomous heat sensor. It can also be optionally integrated with detection and triggering devices such as Fire-Tag® and Cordy-Tag®.*

*Fire-Tag® is an externally activated sensor that autonomously generates the electrical current required for activation without the need for an external power source and triggers the extinguishing unit. Cordy-Tag® is specifically designed for facilities that prefer fire detection using LHD cable systems.*



## IPRE.04



## IPRE.05

These models are specifically designed for transformer rooms, medium-voltage switchgear rooms, hydraulic rooms, and chemical storage areas.

They provide reliable fire suppression in high-risk environments, with mounting height capabilities ranging from 6 to 8 meters based on the selected model.

Available in both wall-mounted and ceiling-mounted configurations, the **IPR E.04** and **IPR E.05** are compatible with detection systems of all brands. As a standalone fire suppression solution, they rapidly and reliably protect coverage areas from 20m<sup>2</sup> up to 32m<sup>2</sup>.



# NEXT-GENERATION IPR TECHNOLOGY IN FIRE SUPPRESSION

## IPR™ IMPULSE POWDER REACTOR

### CLASS A, B & C FIRE PROTECTION

IPR™ (Impulse Powder Reactor) fire extinguishers are specifically designed for targeted suppression of the ignition source in open areas, storage zones containing highly flammable materials, and large spaces with high ceilings.

IPR™ fire extinguishers are **non-pressurized devices**. When an electric current is applied, the expansion module inside the unit activates and instantly generates pressure. This pressure discharges the extinguishing powder through a specially designed nozzle, suppressing the fire within approximately **3 seconds with a powerful shockwave effect**. It can reduce fire damage by up to 90%.

The specialized **"UL and EN Approved"** extinguishing powder used in IPR™ fire suppression systems penetrates beyond visible flames to reach the root points where the fire is fueled, extinguishing it at its source while minimizing the risk of re-ignition.

Since IPR™ fire extinguishers are not pressure vessels, they **do not require annual maintenance, part replacement, antistatic testing, or gas refilling**. Their lightweight design makes them easy to transport, install, mount, and dismantle. They require **no piping and, apart from periodic inspections**, do not generate operating costs for many years.

*IPR™ fire extinguishers are available in various models depending on the application area. The service life of the extinguishing agent is 10 years.*



IPRE01



IPRE02



IPRE03



IPRE04



IPRE05