

IN-PANEL TUBE BASED SUPPRESSION SYSTEM (CQRS)

PRODUCT OVERVIEW

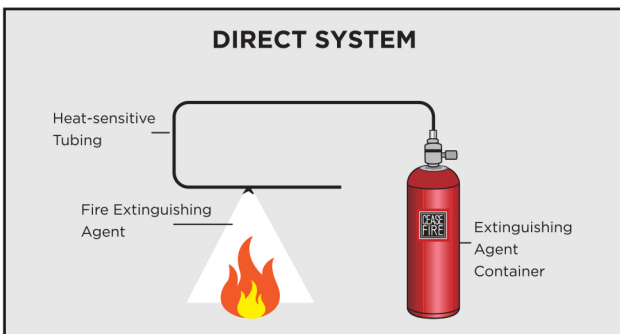
Research shows that most fires start with a spark in electrical mains, in the wiring in the server, in a genset, or deep in an automobile engine or industrial machinery. And by the time you notice the fire and can take action, it's too late because the fire has already destroyed everything inside.

These are perhaps the most dangerous of all fires. And there's just one-way to deal with them: instant detection and swift firefighting. But how do you detect a fire you cannot even see? And even if it is detected, how do you effectively fight it in an area that is difficult to access?

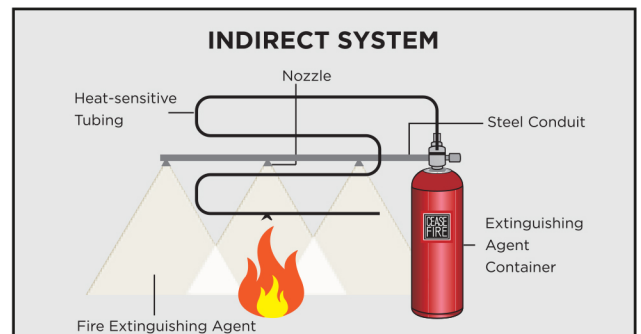


Ceasefire's In-Panel Tube-Based System (CQRS) is a revolutionary firefighting solution that combines ground-breaking technology with functional simplicity to keep what's precious safe.

Based on two types of discharge technologies, CQRS is available as:

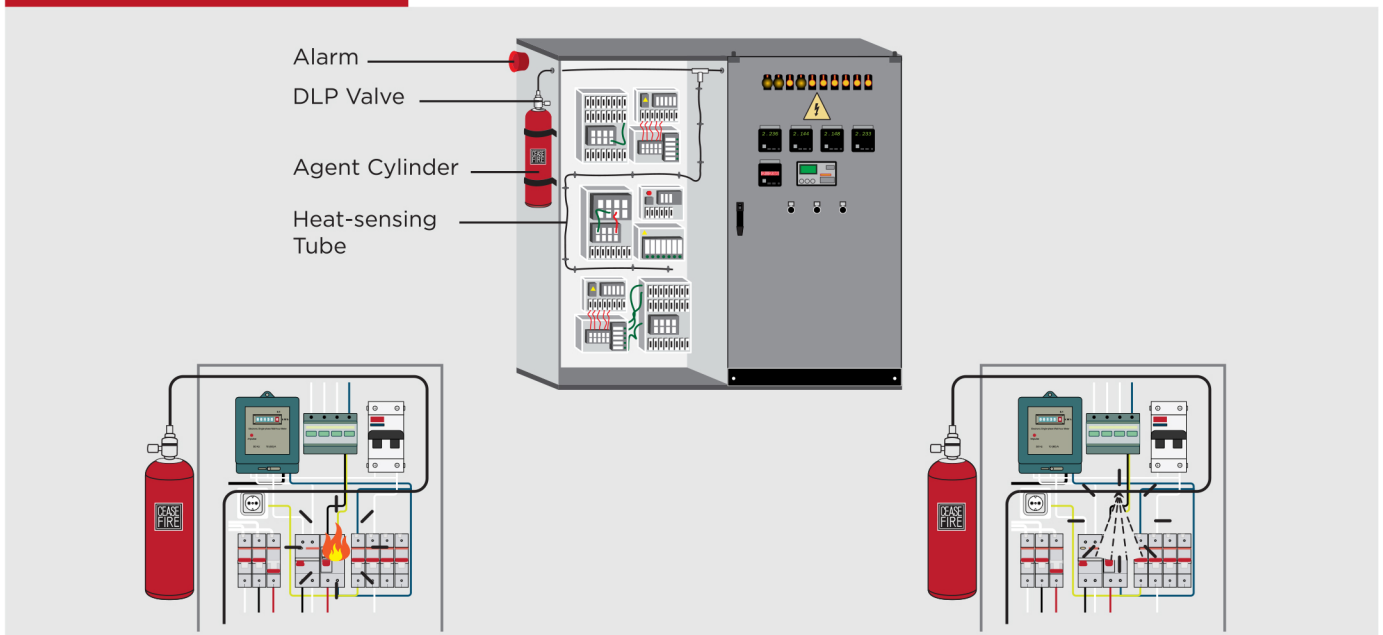


In the Direct system, heat-sensitive tubing also acts as an extinguishing agent delivery system. When a fire is detected, the tube bursts at that point, forming a miniature nozzle that sprays the extinguishing agent. Ideal for places where fires can break out in localized areas.



In the Indirect system, heat-sensitive tubing only acts as a detection device. In the event of a fire, the extinguishing agent is delivered through a steel pipe and sprayed across the entire area through strategically placed nozzles. Ideal for areas where fires can break at multiple points.

THE COMPLETE SYSTEM:



The single heat-sensitive polymer tube is connected to an extinguishing agent container via a pressure release valve. When a fire breaks out, it results in a drastic increase in temperature. When the temperature exceeds 150–180°C, the heat-sensitive tubing bursts, releasing the extinguishing agent via the direct or indirect line. The extinguishing agent is sprayed out of the container, flooding the micro-environment and instantly extinguishing the flame. Both are available in low and high-pressure variants.

The system is based on a wide array of extinguishing agents, making it compatible with a large kind of premises and effective against various fire hazards.

LOW PRESSURE SYSTEMS

CQRS - ABC POWDER MAP 90
CQRS - FLUORINE FREE FOAM
CQRS - CLEAN AGENT (FK-5-1-12)
CQRS - CLEAN AGENT (HFC-227ea)
CQRS - CLEAN AGENT (HFC-236fa)

HIGH PRESSURE SYSTEMS

CQRS - CO ₂
