

THE OFFICIAL PARTNER FOR THE AMERICAS

CHEMOR  **r**  **5112**

DIRECT ACTION RELEASE (DAR) SYSTEM



ADVANCED FIRE SUPPRESSION FOR
VOLTAGE DISTRIBUTION BOARDS

AUTOMATIC, SELF-CONTAINED, AND RELIABLE - PROTECTING WHAT POWERS YOU

PROTECTING VOLTAGE DISTRIBUTION BOARDS WITH CHEMORI 5112 DAR SYSTEM

Voltage Distribution Boards are critical components in electrical infrastructure, housing essential circuits that control power distribution. A fire within these enclosures can lead to severe damage, operational downtime, and costly disruptions. The Chemori 5112 Direct Action Release (DAR) System is specifically designed to detect and suppress fires directly at the source, ensuring uninterrupted power supply and enhanced fire safety.

Using a heat-sensitive detection tube and Chemori 5112 clean agent, this fully automatic and self-contained system provides localized fire suppression without the need for electrical power or complex installation. Its fast response, zero residue, and non-conductive properties make it the ideal choice for protecting Voltage Distribution Boards in industrial, commercial, and critical infrastructure settings.



- ✓ **Compact & Self-Contained** - Eliminates the need for complex piping or power sources.
- ✓ **Safe Clean Agent** - UL Component Recognized, FM Approved, and listed in EPA SNAP for environmental responsibility.
- ✓ **Available in Multiple Cylinder Sizes** - Chemori 5112 DAR System is available in **3 LB, 6 LB, 12 LB, and 18 LB** stainless steel cylinders, ensuring flexibility for various applications.
- ✓ **TPED-Approved Stainless Steel Cylinders** - Designed for high safety standards and durability in fire suppression applications.
- ✓ **Aluminum Label with Complete Details** - Each cylinder is equipped with an aluminum label providing essential specifications and safety information.
- ✓ **Fully Equipped with Accessories** - Supplied with all necessary components for seamless installation and operation.
- ✓ **Working Pressure up to 240 PSI** - Ensures reliable fire suppression performance under high-pressure conditions.
- ✓ **UL Component Recognized Detection Tube** - Highly durable, designed to withstand harsh environments, and resistant to mechanical stress and chemicals.



CYLINDER APPROVALS

EN13322-2 | ISO 18172-1 | GMJJ2.EX28164



EXTINGUISHING AGENT APPROVALS

GAQF.EX27222 | US EPA SNAP | PR458182

SYSTEM DESIGN FOR VOLTAGE DISTRIBUTION BOARD PROTECTION

- ✓ **Compact & Self-Contained** - The system consists of a stainless steel cylinder containing Chemori 5112 clean agent, a flexible detection tube, and a pressure release valve.
- ✓ **Strategic Tube Placement** - The heat-sensitive detection tube is routed inside the Voltage Distribution Board, positioned near high-risk components such as circuit breakers, transformers, and bus bars.
- ✓ **Fire at the Source** - Unlike conventional fire suppression systems that flood an entire room, the Chemori 5112 DAR System detects and suppresses fires directly within the enclosure, preventing escalation and minimizing damage.
- ✓ **Automatic Activation** - The system is completely autonomous, requiring no electronics, sensors, or external activation. The detection tube doubles as both a fire detector and agent release mechanism, ensuring instant response in case of overheating or fire ignition.



HOW THE SYSTEM WORKS?

Fire Detection - If a fire occurs inside the Voltage Distribution Board, the detection tube monitors heat build-up in real-time.

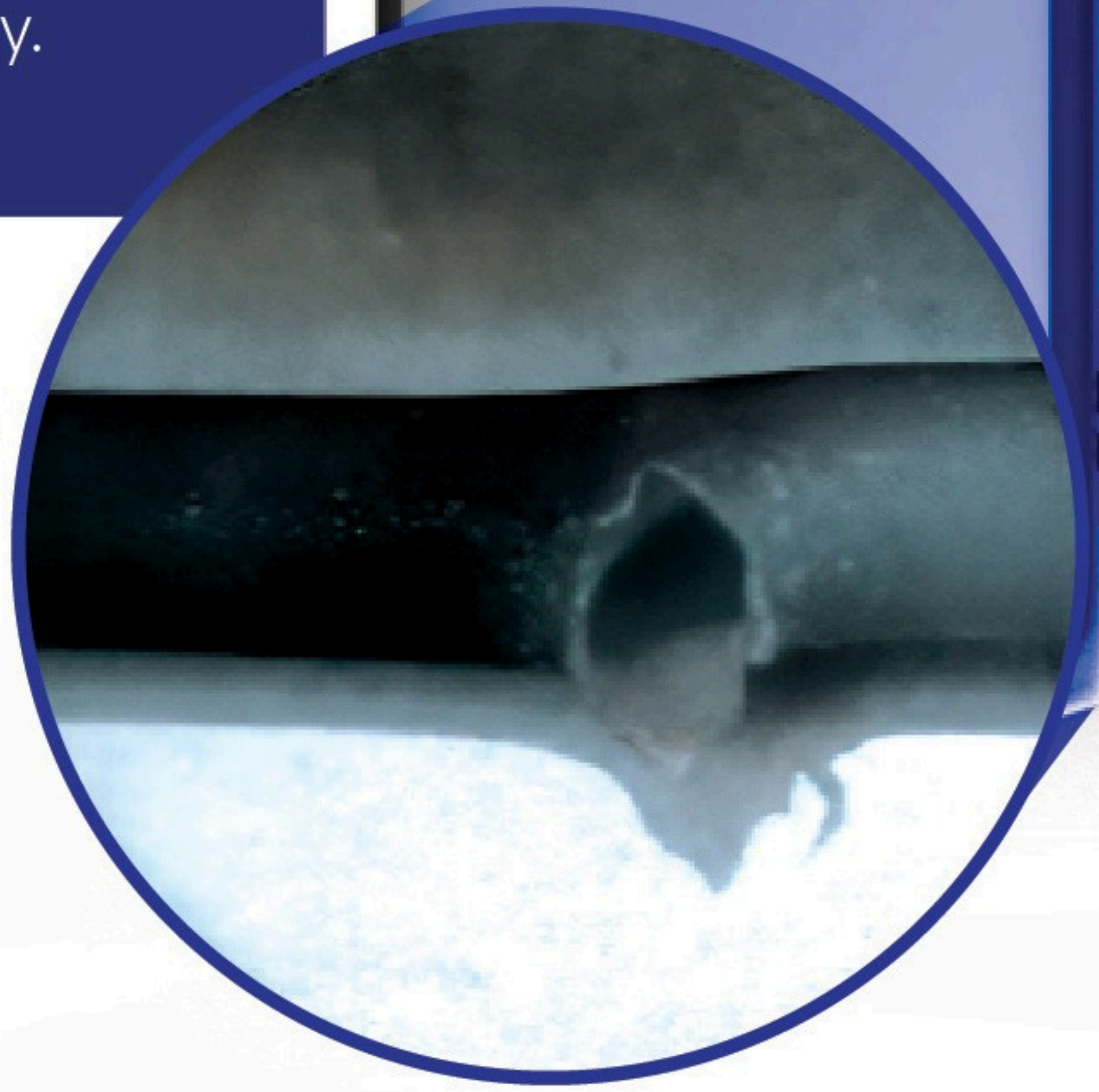
Tube Rupture - When the temperature reaches a critical level, the heat-sensitive tube ruptures at the hottest point releasing the clean agent suppressing the fire.

Fire Suppression - The clean agent quickly displaces oxygen, cooling and extinguishing the fire before it can spread.

Minimal Downtime - Because Chemori 5112 leaves no residue, electrical components remain undamaged, allowing for quick system recovery.



DETECTION TUBING
POINT OF RUPTURE



DAR SYSTEM

WHY IT IS IDEAL FOR VOLTAGE DISTRIBUTION BOARDS?

Localized Protection - Targets fire at the source without affecting surrounding areas.

Non-Conductive & Safe - Chemori 5112 is non-corrosive, non-toxic, and safe for sensitive electrical components.

Zero Power Dependency - Works independently without electricity or external controls, making it highly reliable.

Quick & Easy Installation - Minimal system modifications are required for integration into new or existing Voltage Distribution Boards.

Maintenance-Free & Cost-Effective - Requires minimal servicing, reducing long-term operational costs.

Compact & Space-Saving - Designed for easy integration into confined spaces without compromising protection.

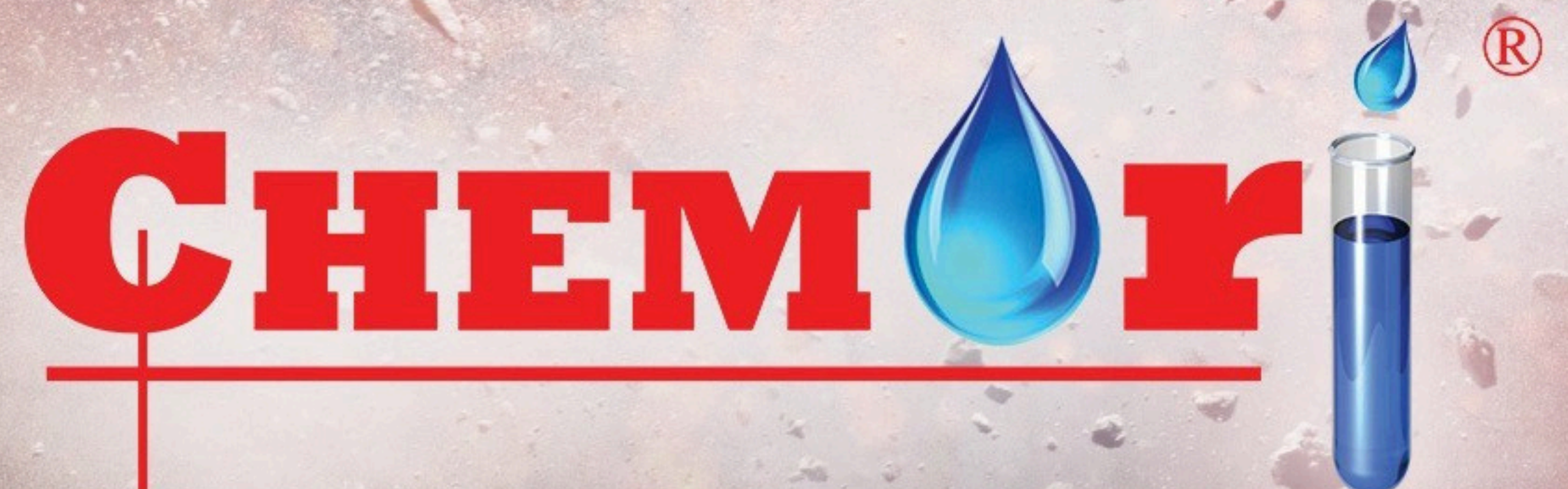
The **CHEMORI 5112 DAR SYSTEM** is the ultimate solution for safeguarding Voltage Distribution Boards, ensuring continuous operation, enhanced fire safety, and peace of mind for mission-critical electrical systems.





Boal Systems

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YOUR SAFETY IS OUR PRIORITY.

CONNECT WITH **CHEMORI** FOR
EXPERT FIRE PROTECTION SOLUTIONS
TAILORED TO YOUR NEEDS.