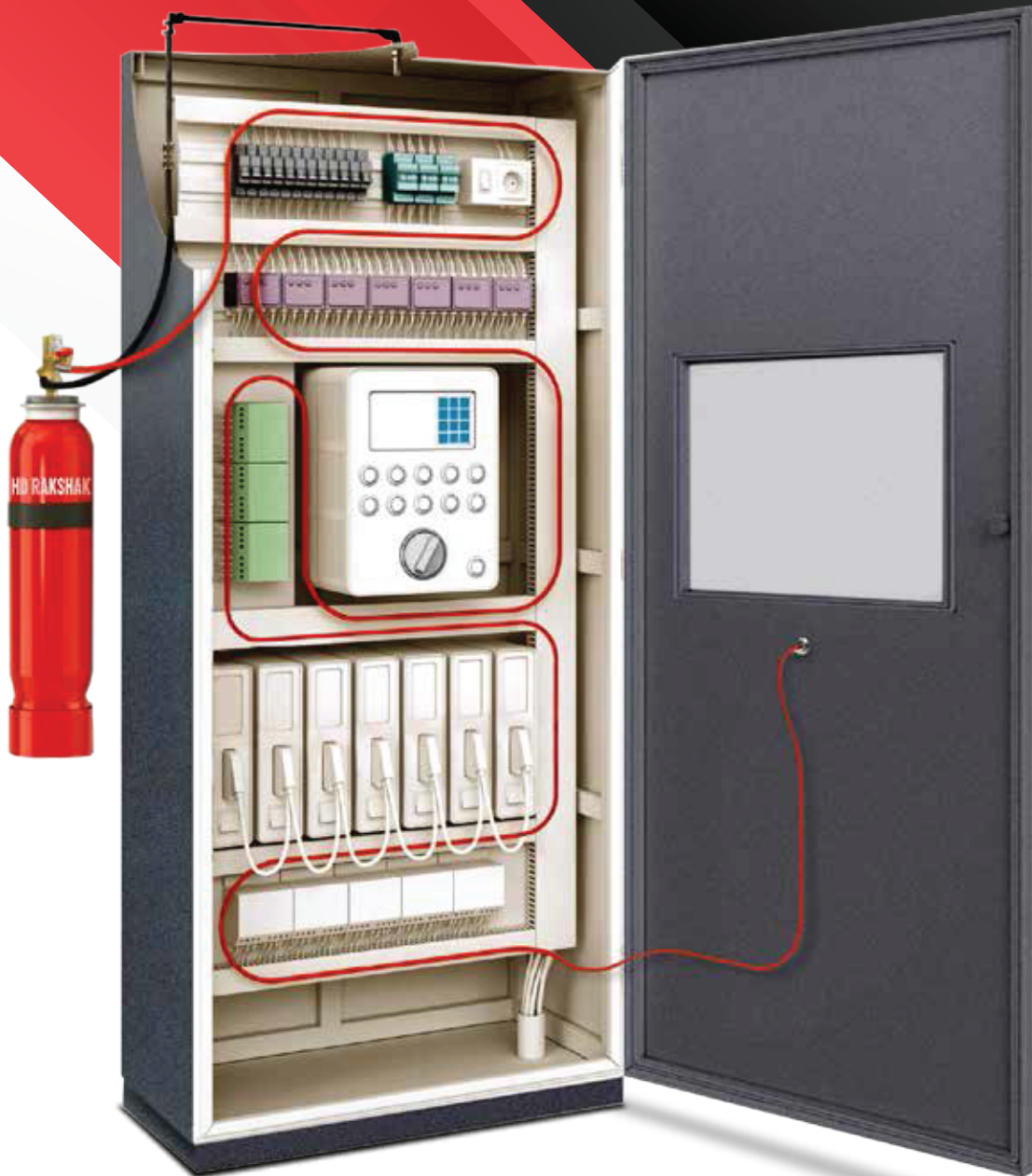




HD FIRE PROTECT
Protecting what matters most to you



HD-RAKSHAK
IN-CABINET CO₂ SYSTEM

HD RAKSHAK is a specialized In-Cabinet Fire Suppression System, utilizing CO2 extinguishing agent. It is a fire suppression system designed for specific application of protecting electrical cabinets and enclosures.

In-Cabinet fire suppression systems are used because these are efficient as well as economical in protection of areas such as Computer Server cabinets, Electrical cabinets, CNC machines, IT closets, UPS switchgear cabinets, and archive storage enclosures. Rather than a total flooding of the whole room with an agent, only the specific cabinet is protected.

HD RAKSHAK system is a stand-alone Automatic Fire Suppression System, an ideal solution in such applications. It is a very flexible and efficient fire suppression system, utilising indirect high-pressure valve and UL Listed fire detection tubing. The fire detection tube on charged condition automatically fills CO2 from the cylinder. This is a special feature where one does not require additional Nitrogen cylinder to charge the detection tube.



ADVANTAGES:

- ✓ Stand alone system, no electricity requirement
- ✓ Various capacities of cylinders:
2, 4.5, 9, 15 and 22 Kg
- ✓ UL Listed detection tubing
- ✓ Easy & quick installation
- ✓ No requirement of additional installation kit

PRINCIPLE OF WORKING:

HD RAKSHAK uses the Detection Tube as a “Fire Detection” and “System Activation” device. Once the tubing senses the fire, it ruptures - resulting in a drop of pressure causing the Indirect High-Pressure Valve to activate.

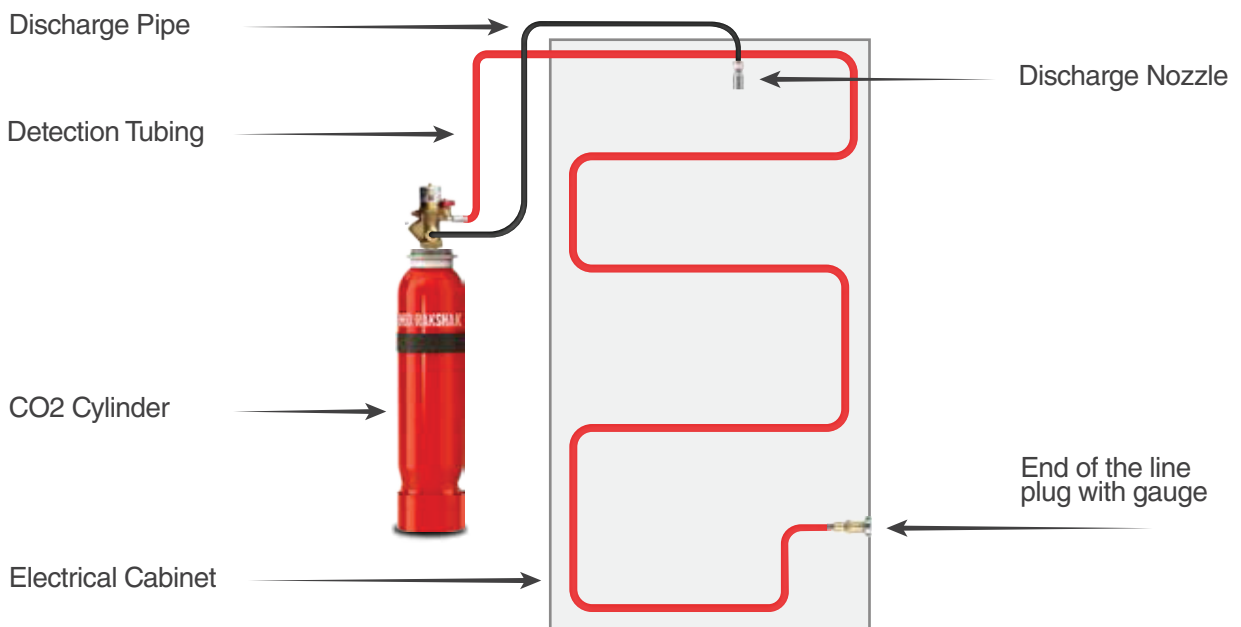
This diverts flow from the detection tube to the larger outlet port of IHP Valve. CO₂ agent is then discharged from the cylinder through the diffuser nozzles, flooding the area with CO₂, effectively suppressing the fire quickly and thoroughly.

In case of larger areas, multiple CO₂ diffuser nozzles can be added to meet the application requirements.

After use, naturally-occurring element, CO₂ dissipates into the air allowing easy usage. The CO₂ discharge also leaves no residue, eliminating the need for agent clean-up and helping reduce downtime.



SYSTEM SCHEMATIC:



30
YEARS

of Manufacturing
Excellence



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www.hdfire.com

📍 HD Fire Protect Pvt. Ltd.
D-6/2, Road No. 34, Wagle Estate, Thane - 400 604, India.

☎ Tel: +(91) 22 21582600, 25826958
Fax: +(91) 22 21582602

🌐 Email: info@hdfire.com