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# CRITICAL EQUIPMENT FIRE SUPPRESSION SYSTEMS

## STORAGE RACK

“A fire outbreak can catch you offguard when least expected. Your Storage Racks are highly vulnerable to a fire outbreak.”

### CAUSES OF FIRE

- Arson
- Increased and inaccessible heights of Storage Racks
- Open flames, embers or torches, which includes hot work activities such as welding and cutting
- Electrical distribution equipment such as fixed wiring, transformers & circuit breakers
- Chemical reactions between incompatible chemicals
- Flammable vapors coming in contact with the Hot Forklift engine
- Hot bulb blast above the rack

### CHALLENGES

- High ceilings, condensed flock of long racks, have further challenged state of the art detection technologies to prove futile. When compared to the cost incurred to install these technologies, the returns and effectiveness have been rather dis-heartening during a real fire scenario
- Controlling a fire in a warehouse is nothing less than a nightmare since the fire spreads quickly into adjacent racks within the humongous storage area

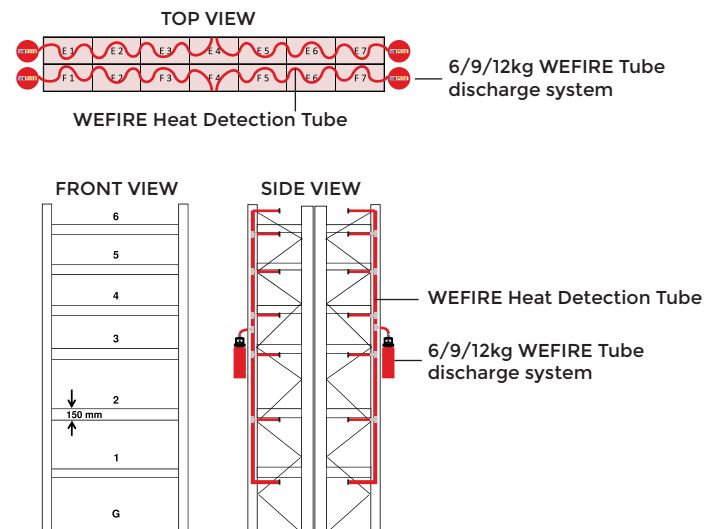
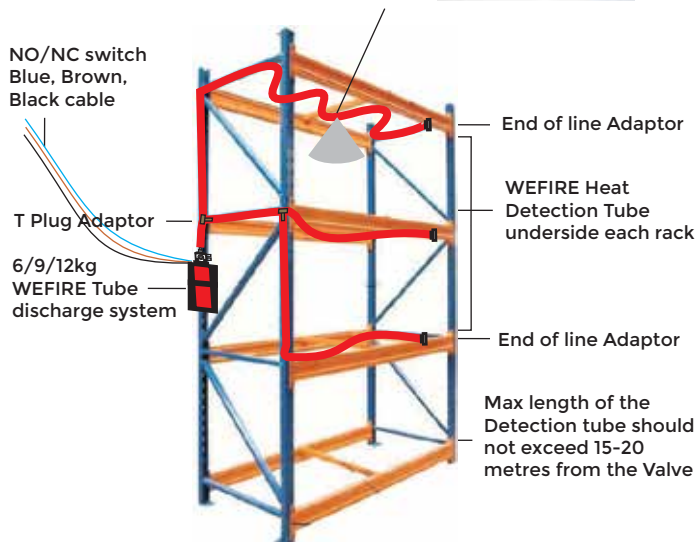
### CAUSING

- Business downtime
- Production loss
- Revenue loss
- Infrastructure loss
- Loss of human life



REDUCE YOUR INSURANCE PREMIUM ON CAPITAL GOODS

In case of Fire, the hottest point on the tube ruptures and forms a nozzle like opening, there by discharging the gas directly on top of the fire, knocking down the source of the fire



## STORAGE RACK

### WEFIRE™ Solution

- Unlike a Rack sprinkler system, WEFIRE™ System works to protect the critical assets from within. A Linear pneumatic WEFIRE™ Heat Detection Tube is routed across the storage racks without disturbing the rack in-out movement. The special heat detection tube senses the heat of the fire at its incipient stage
- The WEFIRE™ Heat Detection Tube upon detection, ruptures at the hottest point forming a nozzle like opening. This activates the cylinder valves and the clean agent gas discharges through the opening directly onto the fire
- The gas is non-conducting, non-toxic and leaves no residue; hence does not spoil expensive electronics and mission critical servers inside

### WEFIRE™ Tube Discharge System

WEFIRE™ Heat Detection Tube is run on the bottom side of each rack. This tube is then connected to the Tube Discharge System cylinder containing the extinguishing gas. A hooter is also provided to alert people post system activation.

WEFIRE™ recommends the use of following extinguishing gases for a Storage Rack depending upon the items stored in those racks.

- 3M's Novec 1230 or FK-5-1-1-2 based extinguishing agent
- FM200 or HFC
- Dry Chemical Powder
- CO2
- AFFF Foam

## ADVANTAGES



Simple & uncluttered design



Quick detection



24/7 Unsupervised fire protection



No electricity required



- No clean up in the equipment required post gas discharge
- Turnaround time to re-instate the system is a few hours so minimal damage and downtime
- Virtually ZERO maintenance
- Can be integrated with the BMS, Fire alarm system, SCADA

## ABOUT US

WEFIRE™, a brand owned by Warriar Electronics® has an experience of installing several hundreds of WEFIRE™ critical component fire suppression systems across India and parts of Malaysia.

Established in the year 2010 in Pune (India), a period when startups were looked at ambiguously, Warriar Electronics® did not just survive, but thrived and achieved various growth milestones from being a sub-dealer to a dealer to a manufacturer within a decade; and has become the default choice of various OEM's for WEFIRE™ critical component fire suppression systems, serving across India.

At the heart of the company, lies its core values viz Excellence, Innovation, Integrity and Respect. These values not only translate into a niche & a reliable end product but also in the way its team reciprocates to client needs at every step. A company is only as good as its people & product and its product reflects the quality, intelligence and excellence of its people!



# WE FIRE®

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**WARRIER ELECTRONICS**

**“Sticker House”**

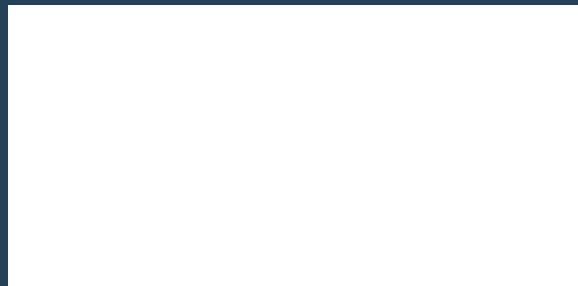
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& WE ACHIEVE WHAT WE COMMIT**