

DESIGN, SUPPLY, INSTALLATION, COMMISSIONING AND MAINTENANCE OF :

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**CO2 SYSTEM**

- Low refilling cost
- Electrically non-conductive
- Contrasting technology and efficiency
- No residue to clean up after discharge
- Local application or total flooding system



**FM200 SYSTEM**

- Suitable for occupied areas
- Discharge time, 10 seconds
- No residue to clean up after discharge
- Widely accepted as substitute to Halon 1301
- Electrically non - conductive
- Zero Ozone depletion potential



**INERT GAS SYSTEM**

- Electrically non-conductive
- Suitable for occupied areas
- No residue to clean up after discharge
- Zero Ozone depletion potential
- Natural gas present in the atmosphere
- No greenhouse effect



**WATER MIST SYSTEM**

- Rapid temperature reduction
- Minimal water damage
- Efficient for flammable liquid fires
- Electrically non conductive
- Economical cost of agent
- Cylinder or pumping equipment system



**FIRE PUMP PACKAGE**

- Split case fire pumps
- End suction fire pumps
- Vertical turbine fire pumps
- Vertical inline fire pumps
- Diesel fire pumps
- electrical fire pumps
- jockey pumps



**OXYGEN REDUCTION SYSTEM**

- Retaining access to protected areas at any time
- Protecting multiple hazards with just one system
- Easy to install and maintain
- No damages by fire, released water, foam, gas or other extinguishing agents
- No excessive pipes, no nozzles, no cylinders, no leaking



**FOAM SYSTEM**

- The foam blankets the fuel surface smothering the fire
- The foam blanket separates the flames/ignition source from the fuel surface
- The foam cools the fuel and any adjacent metal surfaces
- The foam blanket suppresses the release of flammable vapors that can mix with air



**SPRINKLER & WATER SPRAY SYSTEM**

- Dry pipe valves
- Wet alarm check valves
- Deluge valves
- Preaction valves
- Zone control valves
- Sprinklers
- Spray nozzles
- O.S.&Y. gate valves
- Pressure reducing valves
- Butterfly & check valves



**ADDRESSABLE SYSTEM**

- Independent microprocessor Detection loops
- Non-volatile memory of operation
- Graphical display in panels
- TCP network port
- Communication port series RS232
- Communication port series RS485
- Allows integration with control systems
- Graphic control station in PC



**CONVENTIONAL SYSTEM**

- Easy to commissioning & strat up
- Easy to maintenance
- Limited detectors per zones
- Control of access levels per keyboard
- Alarm relay with voltage free outlet
- Failure relay with voltage free outlet
- Test mode for areas per a single operator
- End of line active



**FIRE & GAS SYSTEM**

- IR2 Flame detector
- IR3 Flame detector
- UV/IR Flame detector
- UV/IR2 Flame detector
- Gas detector
- Control unit for Gas detector



**ASPIRATING SYSTEM**

- Very early smoke detection by high sensitivity
- High immunity to false alarms, even under difficult ambient conditions
- Easy system design and installation
- Easily accessible for maintenance and service
- Accurate detection of single blocked air sampling points possible to indicate sabotage of the pipe system



**LINEAR HEAT DETECTION SYSTEM**

- Wide range of industrial applications
- Line coverage with point sensitivity
- Fixed temperature digital sensor
- Exceptional high temperature performance
- Resistant to harsh outdoor conditions
- Elimination of false alarms
- Minimal maintenance due to fully automatic system monitoring
- Maximum safety for man and machine



**EXPLOSION PROOF DEVICES**

- ATEX II 1G EEx ia IIC T4
- ATEX II 2G EEx ia IIC
- ATEX II 1G EExia II BT4
- IEC EEx d IIC T6