

Manufacturing of Specialized Fire Protection Equipment's:

1. Hydrant Stand Post: Single, Double (SS-01)

Body: M.S. IS 1239 Heavy Grade
 Flanges: M.S. IS: 2062 (Welded)
 Inlet: 4" NB flanged (As per ANSI B 16.5 150 LBS)
 Outlet: 2 Nos. 80 mm NB flanged (ANSI B 16.5 150 LBS)
 Test Pressure: 23 Kgf/cm²



2. Trolley Mounted Water/Foam Monitor (SS-02)

2 1/2" Male Instantaneous inlets with NRV
 Carbon Steel Waterways
 Support Legs for better rigidity during operation
 Solid Rubber two / four wheels
 Gunmetal Jet nozzles or Jet-Spray Nozzle as per customer
 Customized with hose basket arrangement



3. Trolley Mounted Monitor (SS-03)

Trolley chassis Carbon (Mild) Steel channel/ angle
 Pipework Carbon (Mild) Steel/Stainless Steel
 Deck Aluminum Chequered plate
 Wheels Solid Rubber
 Stabilizing jacks Carbon (Mild) Steel.
 Monitor/ Nozzle As per request
 Working pressure 7 to 12 Kg/cm² 4.2
 FINISH: Chassis Painted Black/P.O. Red Color; Deck - Natural finish
 Application: Class B & Class C fire in industries



4. Trolley Mounted CO2 Fire Extinguishers (SS-04)

Size 6.5, 9, 22.5, & 45 kg capacity
 ISI mark confirming to IS-2878,
 Cylinder certified by PESO.
 Suitable for industrial use in BC class of fire.
 Strong Rubber Wheels
 Clear & easy Operation
 Application: Electrical installation & Class B& C fire



5. Trolley Mounted Mechanical Foam Fire Extinguishers (SS-05)

Capacity: 50 ltr
 Discharge Range (meters): 10 Mtr
 Fire Class: A, B
 Fire Extinguisher Type: Mechanical Foam (Afff) Based
 Maximum Service Pressure (Bar): 18 KG/m²



6. Trolley Mounted DCP Extinguishers MAP (SS-D)

Capacity: 25kg; 50kg; 75kg
 Average Discharge time: 25 -30 Sec. / 40-50 Sec. / 50-60 Sec.
 Average Range of throw: 6 -10 m
 CO2 Gas Cylinder: 1 kg. - 2 kg.
 Operating Temperature: -30 °C to +55 °C
 Service Pressure (Ps)/ Expansion Space: 14 kg/cm².
 Test Pressure: 30 kg/cm².
 Expelling Agent: CO2 Gas with 85% Powder Expelling



1. ABC SPARES

- 1.1 Hoses, valve, clamps
- 1.2 Valve & Pressure Gauge
- 1.3 Seals & Pin



1.1



1.2



1.3

2. CO2 SPARES

- 2.1 Hose, Handle
- 2.2 Horns
- 2.3 Trolley



2.1



2.2



2.3

3. DCP SPARES

- 3.1 Hose and Nozzle
- 3.2 Inner Container
- 3.3 Pressure Gauge



3.1



3.2



3.3

4. EXTINGUISHER NOZZEL & CAPS

- 4.1 Discharge Nozzle (DCP Ext.)
- 4.2 Foam Nozzles with Hose
- 4.3 Foam Nozzles



4.1



4.2



4.3

5. HOSE REEL & OTHER

- 5.1 Hose Reels
- 5.2 Hose Reels Nozzles
- 5.3 Industrial Hose Reels



5.1



5.2



5.3

6. HYDRANTS & SPARES

- 6.1 Hydrants
- 6.2 Lugs, Spindels, Bonets
- 6.3 Couplings, Air release Valve



6.1



6.2



6.3

7. BRANCH & COUPLING

- 7.1 Branch Pipes
- 7.2 Hose female & male coupling
- 7.3 Caps & Washers



7.1



7.2



7.3

8. SPRINKLER

- 8.1 Heads – Local
- 8.2 Sprinklers Accessories
- 8.3 Key Hammer



8.1



8.2



8.3

9. MISCELLANEOUS

- 9.1 Signages & stickers
- 9.2 Wheels
- 9.3 Safety Shower



9.1



9.2



9.3

Supply & Service of Fire Fighting Equipment's

1. Fire Extinguishers (All type)
2. Fire Extinguishers Trolley Mounted
3. Fire Fighting Chemicals – Foam, DCP Powder, ABC Powder, CO2 etc.
4. Firefighting hoses&fittings; suction and delivery hoses
5. Landing Valves
6. Hose reel Hoses & Cabinets
7. Pillar Hydrants & Nozzles
8. Foam Equipment's
9. Delivery Hoses
10. Monitors & Nozzles
11. Ejector Pumps & Accessories
12. Hose Winding Machine & Siren
13. Fire Vehicles – DCP Tender, Water Tender, Foam Tender &Nurser,
Mini High-Pressure Tender, Multipurpose Tender, Rescue Tender
14. Hose Reel Hoses PVC & Rubber
15. Nozzles & Branches



We Supply, Engineering Design, Installation & Commissioning of Customised Fire Protection System (as per required OISD NFPA 101 Life Safety Code, NBC –IV, and TAC)

1. Conventional Fire Alarm System

Conventional – 2, 4, 6, 8, 12 zones Fire Alarm Panels,
Conventional fire alarm devices like Sounders, Smoke & Heat detectors
Connecting Cables

Application:

This is very good choice for smaller area having budget constraints.
Small hospitals, hotels, ware houses, schools, Residential compound



2. Linear Heat Detection System

Fire & Heat sensing cable (. Line Heat Detector cable may be installed with ability to trigger alarm for 'Hot spots' occurring of small section)
Fire alarm panel or with controller Addressable or conventional
Sounders / Hooter
Interface modules as per design
Fire Alarm Cables.

Application:

Long Cable tray, Long Coal Conveyor Belt.



3. Addressable Fire Alarm System

Addressable Fire Alarm Panels having 12 loops panels
150 fire alarm devices each loop.
Addressable fire alarm devices like smoke/ Heat detectors
Interfacing with fighting systems like Clean Agent Flooding, Water
Sprinkler system and other various applicable systems.

Application:

Multistoried building complex like Star hotels, Hospitals, Multiplex, Shopping malls,
Residential complex, Spread over industries like Refinery, Petrochemical complex,
Mills, Manufacturing units etc.

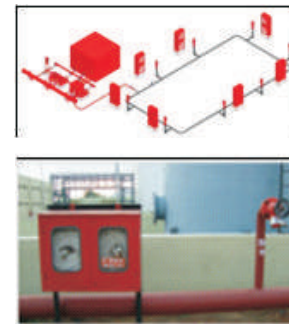


4. Fire Water Network & Pump Systems

Design of Fire Pump System & Network
Hydraulic Calculation
Selection of Material & Pumps as per Data sheet
Control Panels and pressure indicating Devices
Hydrants & Hose Reels and other specialized Equipment
Suction & delivery head with Isolation valves,
Pressure indicating devices and control modules

Application:

All industries and buildings



5. Dry Rise, Hose Reels & Wet Risers and Hydrant Systems

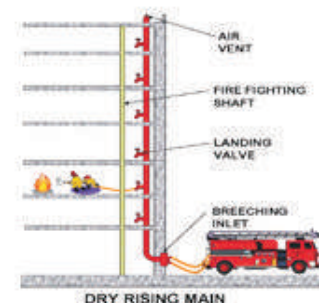
As per occupancy type & AHJ requirement Hose Reels,
Hydrant Landing Valves, Fire Hose,
Fire Brigade Inlets and Fire Pumps

Operation:

Dry riser is provided for fire services in case major fire.
Fire hose reels of 25 mm dia & Wet riser charged with fire water with
min 3 bar pressure ready to use for firefighting if dare to do so.

Application:

Hotels, Hospitals, Malls, High rise buildings, industrial complex



FIRE PROTECTION SYSTEM

6. Sprinkler System: Fire Alarm Valve

Sprinkler Heads, Deluge Valve, Tamper & Flow Switch, Test & Drain Valve, Control module & Monitors modules if applicable.

In case of fire sprinkler head will break and fire water will be spread the fire area only. Additional water supplies open deluge valve with alarm bell activation.

Application:

Hotels, Hospitals, Malls, High Rise Buildings, Ware Houses



7. Water Spray system _ Medium Velocity& High Velocity

Water spray system as per NFPA or hazardous equipment

Nozzles & spacing as per design

Standard UL or FM approved products

Strainer & Supports

Detection systems – air or water

Application: Storage Tank & electrical installation



8. Foam Hose Reels & Inline Inductor

Foam Hose Reel& Inline Inductor, Foam Branch, AFFF foam or AFFF-ATC concentrate with movable cans if required.

Operation: In case of Class B fire means flammable liquid fire Foam is applied manual over fire area by using foam hose reels or foam branches with inline inductors.

Application:

All types of flammable & combustible liquid containers & stored area.



9. Fixed or Semifixed Foam System

Foam Discharger (Foam Sprayers, Foam pourers, Foam Generators),

Bladder Tank, Foam Makers, Inline Inductors, Proportionators,

Deluge valve / Automated valve, Fire Detection, Control Panel.

Operation: Automatic fire detection gives signal to deluge valve through control panel to open & water pressure will push AFFF foam concentrate inside bladder to mix with water respective proportionate.

Application:

Generator room, Hangers, Petroleum Tanks Foam Pourers, Storage of Petroleum Liquids Class A & B.



10. RIM Seal Foam Fire Protection System

Linear N2 pressurized fire detection line, Foam Sprayers;

Cylindrical tank with pre-mixed AFFF Solution with solenoid valve,

Control Panel

Operation: Automatic linear fire detection reduces the nitrogen pressure with gives signal to actuate solenoid valve to discharge foam over the respective protected rim seal of tank.

Foam is generated by pre-mixed pressurized AFFF solution through foam sprayer. Additionally, may operate through remote location or manually.

Application:

Floating Roof Hydrocarbon tank.

