



KOHINOOR

AN ISO 9001 : 2015 CERTIFIED COMPANY **SAFETY SERVICE**



POWDER ↑ UP

KOHINOOR
AN ISO 9001 : 2015 CERTIFIED COMPANY **SAFETY SERVICE**
DRY POWDER FIRE EXTINGUISHER (STORED PRESSURE TYPE)

INSPECTION
CHECK THE DATE OF EXPIRATION
CHECK THE PRESSURE GAUGE AND SEE IF IT IS IN THE GREEN ZONE (THE NEEDLE SHOULD BE IN THE GREEN ZONE)

MAINTENANCE
CHECK AND RECHARGE
CHECK THE PRESSURE GAUGE
CHECK THE WEIGHT AND RECHARGE
CHECK THE EXPIRATION DATE AND RECHARGE

USE
PULL THE PIN AND REMOVE THE HOSE

RECHARGE
RECHARGE WITH THE SAME TYPE OF POWDER
DO NOT RECHARGE WITH A DIFFERENT TYPE OF POWDER
RECHARGE WITH THE SAME TYPE OF POWDER
RECHARGE WITH THE SAME TYPE OF POWDER

CONTACT

NAME	PHONE NO.
ADDRESS	POSTAL CODE
CITY	STATE
COUNTRY	ZIP CODE

KOHINOOR SAFETY SERVICE
AN ISO 9001 : 2015 CERTIFIED COMPANY

GREETING FROM KOHINOOR SAFETY SERVICES

KOHINOOR SAFETY SERVICES was established in Mumbai. All our products are ISI mark and CE mark, we are binding to this planet to give our services which cover Safety, security and protection which cares to Human Being & Environment. We not only deliver complete, cost-effective safety service solutions to our customers as promised and without compromise, but we have the resources and the support to back it up.

Our Mission & Vision :

Our Mission : To Provide Highest Quality in all our Engineering Services ensuring Accuracy, Speed and Value Addition to achieve Total Client Satisfaction.

We at KOHINOOR SAFETY SERVICES are committed to raise the bar of excellence in the area of services, products and quality. We believe in continuously delivering the same by upholding the highest ethical standard, comitment & integrity.



Our Vision :

- Special focus and emphasis on delivering quality products and services to our clients.
- Excel in safe working.
- Be a compulsory choice of our Customers.
- Ensure judicious usage of resources and environmental upkeep.
- Keep growing together.

We Provide services to



Houses & Apartments



Office Buildings



Schools/Colleges



Societies



Hospitals



Restaurants



Factory Areas



Electrical Areas

DRY POWDER STORED PRESSURE TYPE BEST USAGE AT

HOMES • OFFICE • BUILDINGS • WAREHOUSES
FARMS • WOODS ETC.



Technical Specification

ABC Stored Pressure Type Fire Extinguisher

Model	RSP1	RSP2	RSP4	RSP6	RSP9
Capacity	1 Kg	2 Kg	4 Kg	6 Kg	9 Kg
Confirming IS No.	15683	15683	15683	15683	15683
Fire Rating	1A, 8B	1A, 13B	2A, 21B	3A, 34B	4A, 89B
Operating Temperature	-20°C TO + 55°C	-20°C TO + 55°C	-20°C TO + 55°C	-20°C TO + 55°C	-20°C TO + 55°C
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.	2 Mtrs.	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	85%	85%	85%	85%	85%
Discharge Time Min.	8 Sec.	13 Sec.	13 Sec.	13 Sec.	13 Sec.
Charge Pressure	15 Kgf/cm ²	15 Kgf/cm ²	15 Kgf/cm ²	15 Kgf/cm ²	15 Kgf/cm ²
Test Pressure	35 Kgf/cm ²	35 Kgf/cm ²	35 Kgf/cm ²	35 Kgf/cm ²	35 Kgf/cm ²
Operating Valves	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	Dry Powder 14609 (map)	Dry Powder 14609 (map)	Dry Powder 14609 (map)	Dry Powder 14609 (map)	Dry Powder 14609 (map)
Propellant	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen
Anti Corrosive Treatment	Phosphating (7 Tanks)	Phosphating (7 Tanks)	Phosphating (7 Tanks)	Phosphating (7 Tanks)	Phosphating (7 Tanks)
Painting	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.
Tare Weight	1 KG	1.4 KGS	2.3 KGS	2.7 KGS	3.2 KGS
Gross Weight	2 KGS	3.4 KGS	6.3 KGS	8.7 KGS	12.2 KGS

DRY POWDER CARTRIDGE TYPE BEST USAGE AT

HOMES • OFFICE • BUILDINGS
WAREHOUSES • FARMS ETC.



Technical Specification

BC Cartridge Type Fire Extinguisher

Model	RSP4	RSP6	RSP9
Capacity	4 Kg	6 Kg	9 Kg
Confirming IS No.	15683	15683	15683
Fire Rating	21B	34B	89B
Operating Temperature	-20°C TO + 55°C	-20°C TO + 55°C	-20°C TO + 55°C
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	85%	85%	85%
Discharge Time Min.	13 Sec.	13 Sec.	13 Sec.
Charge Pressure	15 Kgf/cm ²	15 Kgf/cm ²	15 Kgf/cm ²
Test Pressure	35 Kgf/cm ²	35 Kgf/cm ²	35 Kgf/cm ²
Operating Valves	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	Dry Powder 4308 (SBC)	Dry Powder 4308 (SBC)	Dry Powder 4308 (SBC)
Propellant	Co2 Cartridge	Co2 Cartridge	Co2 Cartridge
Anti Corrosive Treatment	Phosphating (7 Tanks)	Phosphating (7 Tanks)	Phosphating (7 Tanks)
Painting	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.
Tare Weight	3.6 KGS	4.5 KGS	5.5 KGS
Gross Weight	7.6 KGS	10.5 KGS	14.5 KGS

CARBON DIOXIDE FIRE EXTINGUISHER BEST USAGE AT

CHEMICAL PLANT • OIL RIGS • RAIL YARDS • AIRPORT
ELECTRICAL SUBSTATION • LABORATORIES

Technical Specification

Co2 Type Fire Extinguisher



Model	RCO2 - 2	RCO2 - 3.2	RCO2 - 4.5
Capacity	2 Kg	3.2 Kg	4.5 Kg
Confirming IS No.	15683	15683	15683
Fire Rating	8B	21B	21B
Operating Temperature	-20 ^o TO + 55 ^o	-20 ^o TO + 55 ^o	-20 ^o TO + 55 ^o
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	95%	95%	95%
Discharge Time Min.	8 Sec.	8 Sec.	8 Sec.
Test Pressure	250 Kgf/cm ²	250 Kgf/cm ²	250 Kgf/cm ²
Operating Valves	Wheel Type	Wheel Type	Wheel Type
Extinguisher Media	Co2 Gas IS: 15222	Co2 Gas IS: 15222	Co2 Gas IS: 15222
Propellant	Carbon Di oxide	Carbon Di oxide	Carbon Di oxide
Painting	Enamel Paint IS: 5 Shade 536/538	Enamel Paint IS: 5 Shade 536/538	Enamel Paint IS: 5 Shade 536/538
Tare Weight	6.2 KGS	9.5 KGS	11.5 KGS
Gross Weight	8.2 KGS	12.7 KGS	16.00 KGS

CARBON DIOXIDE FIRE EXTINGUISHER BEST USAGE AT

CHEMICAL PLANT • OIL RIGS • RAIL YARDS • AIRPORT
ELECTRICAL SUBSTATION • LABORATORIES



6.5 Kg

9.0 Kg

22.5 Kg

WATER TYPE (SP) & CARTRIDGE TYPE FIRE EXTINGUISHER

BEST USAGE AT

PAPER • WOOD • COTTON
SCHOOL • THEATERS

Technical Specification

Water Type (S/P) & Cartridge Type Fire Extinguisher

Model	RSPW 9	RCW 9
Capacity	9 Ltr.	9 Ltr.
Confirming IS No.	15683	15683
Fire Rating	4A	4A
Operating Temperature	+5 ^o TO + 55 ^o	+5 ^o TO + 55 ^o
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	95%	95%
Discharge Time Min.	13 Sec.	13 Sec.
Charge Pressure	15 Kg/cm ²	15 Kg/cm ²
Test Pressure	35 Kg/cm ²	35 Kg/cm ²
Operating Valves	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	Water	Water
Expellant	Co2	Co2
Propellant	Dry Nitrogen	Dry Nitrogen
Anti Corrosive Treatment	Phosphating (7 Tanks)	Phosphating (7 Tanks)
Painting	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.
Tare Weight	3 KGS	5 KGS
Gross Weight	12 KGS	14 KGS



MECHANICAL FOAM (S/P) & CARTRIDGE TYPE FIRE EXTINGUISHER

BEST USAGE AT

PETROLEUM PRODUCT • PAINT • PIGMENT AND VARNISH
PAPER • WOOD • COTTON

Technical Specification

Mechanical Foam (S/P) & Cartridge Type Fire Extinguisher

Model	RSPM 9	RCM 9
Capacity	9 Ltr.	9 Ltr.
Confirming IS No.	15683	15683
Fire Rating	4A, 89B	4A, 89B
Operating Temperature	+5 ^o c to + 55 ^o	+5 ^o c to + 55 ^o
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	95%	95%
Discharge Time Min.	13 Sec.	13 Sec.
Charge Pressure	15 Kg/cm ²	15 Kg/cm ²
Test Pressure	35 Kg/cm ²	35 Kg/cm ²
Operating Valves	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	AFFF IS: 4989	AFFF IS: 4989
Expellant	Co2	Co2
Propellant	Dry Nitrogen	Dry Nitrogen
Anti Corrosive Treatment	Phosphating (7 Tanks)	Phosphating (7 Tanks)
Painting	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.
Tare Weight	3 Kgs	5 Kgs
Gross Weight	12 Kgs	14 Kgs



CLEAN AGENT FIRE EXTINGUISHER BEST USAGE AT

COMPUTERS • AIRCRAFT • BOATS • OFFICE
LABORATORIES • TELEPHONE ETC.

Technical Specification
Clean Agent Fire Extinguisher



Model	RCA2	RCA4	RCA6
Capacity	2 Kg	4 Kg	6 Kg
Confirming IS No.	15683	15683	15683
Fire Rating	1A, 8B	1A, 13B	2A, 21B
Operating Temperature	-20 ^o TO + 55c ^o	-20 ^o TO + 55c ^o	-20 ^o TO + 55c ^o
Min. Jet Length (in Mtrs.)	2 Mtrs.	2 Mtrs.	2 Mtrs.
Discharge Percentage Min.	95%	95%	95%
Discharge Time Min.	13 Sec.	13 Sec.	13 Sec.
Charge Pressure	15 Kgf/cm ²	15 Kgf/cm ²	15 Kgf/cm ²
Test Pressure	35 Kgf/cm ²	35 Kgf/cm ²	35 Kgf/cm ²
Operating Valves	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	HFC 236fa	HFC 236fa	HFC 236fa
Propellant	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen
Anti Corrosive Treatment	Phosphating (7 Tanks)	Phosphating (7 Tanks)	Phosphating (7 Tanks)
Painting	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.	Epoxy Polyester Pow. Coat.
Gross Weight	3.4 KGS	6.3 KGS	9 KGS
	1.4 KGS	2.3 KGS	3 KGS

WET CHEMICAL (K- CLASS) KITCHEN FIRE EXTINGUISHERS



MODEL	KSS - 2K	KSS - 4K	KSS - 6K	KSS - 9K
Cylinder Material	MS / S.S	MS / S.S	MS / S.S	MS / S.S
Capacity (Ltrs.)	2 Ltrs.	4 Ltrs.	6 Ltrs.	9 Ltrs.
Extinguishing Medium	Wet Chemical	Wet Chemical	Wet Chemical	Wet Chemical
Discharge Time (Sec.)	More than 8 Sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Discharge Range (Meters)	More than 2 Mtrs.	More than 2 Mtrs.	More than 2 Mtrs.	More than 2 Mtrs.
Operating Pressure	15Bar	15Bar	15Bar	15Bar
Test Pressure	35 Bar	35 Bar	35 Bar	35 Bar
Expellant	Nitrogen	Nitrogen	Nitrogen	Nitrogen

DRY POWDER HIGHER CAPACITY TROLLEY MOUNTED FIRE EXTINGUISHER

BEST USAGE AT

HOMES • OFFICE • BUILDINGS • WAREHOUSES
FARMS • WOODS ETC.

BC/ABC Higher Capacity Trolley Mounted Fire Extinguisher



DCP
25 Kg

DCP
50 Kg

DCP
75 Kg

DRY POWDER / CLEAN AGENT MODULAR TYPE FIRE EXTINGUISHER



2.0 Kg

5.0 Kg

10.0 Kg

15.0 Kg



Fire Hydrant System & Installation

Fire Hydrant System is a permanently installed firefighting infrastructure designed to provide an instant and continuous supply of high-pressure water to control and extinguish fires. Supported by dedicated water storage such as a Fire Tank, the system is connected to a pump room from where underground and above-ground pipelines distribute water across the facility. Hydrant valves and hoses allow immediate firefighting action, and the system includes a jockey pump, main electric pump, and diesel standby pump to maintain consistent pressure even during power failures. This ensures that water is always available at the required pressure and flow rate, enabling simultaneous operation of multiple hydrants and guaranteeing reliable performance. Regular maintenance and inspections ensure the system remains fully operational at all times, complying with National Building Code (NBC) and local fire authority regulations.

AN ISO 9001 : 2015 CERTIFIED COMPANY **SAFETY SERVICE**

Why is a Fire Hydrant System Important?

A **Fire Hydrant System** is important because it provides a **reliable, high-capacity water supply** to control and extinguish fires, especially in **large buildings and industrial facilities**.

How the Fire Hydrant System Works?

- The system remains charged with water at all times.
- On opening any hydrant valve or hose reel, a pressure drop occurs.
- The jockey pump starts automatically to maintain pressure.
- If demand increases, the main electric fire pump starts automatically.
- In the event of a power failure, the diesel engine–driven pump operates automatically, ensuring uninterrupted firefighting capability.
- High-pressure water is discharged through hoses to effectively control and extinguish fire.

What are the Key Components of the Fire Hydrant System?

- Dedicated Fire Water Storage (Fire Tank)
- Jockey Pump, Main Electric Pump & Diesel Standby Pump
- Hydrant Network (Underground / Above Ground Pipelines)
- Hydrant Valves & Landing Valves
- Fire Brigade Inlet Connection
- Automatic & Manual Pump Control Panels

What are the Benefits of a Fire Hydrant System?

- 24x7 ready-to-operate firefighting system
- Automatic pump operation with manual override
- Designed for simultaneous operation of multiple hydrant points
- Maintains required flow and pressure at the farthest hydrant
- Reliable during power failure conditions
- Low response time for emergency situations

What all is included in Testing & Maintenance of a Fire Hydrant System?

- Auto-start pump testing
- Periodic pressure and flow testing
- Diesel pump fuel, battery & cooling checks
- Annual inspection and certification





Fire Alarm System & Installation

A Fire Alarm System is a critical safety solution that detects fires at the earliest stage and alerts occupants, enabling rapid evacuation and firefighting action. The system includes smoke and heat detectors, manual call points, audible and visual alarms, and a central fire control panel for monitoring and management. Integration with sprinklers, fire pumps, and building management systems enhances its efficiency and ensures coordinated response during emergencies. Fire alarm systems provide reliable early detection, minimize risks, and are scalable to suit factories, commercial buildings, offices, and residential complexes. Installation, testing, and preventive maintenance are carried out by trained professionals to ensure optimal performance and compliance with NBC and local fire safety requirements.

Why is a Fire Alarm System Important?

A Fire Alarm System is important because it provides early detection and immediate warning, helping to protect life, property, and continuity of operations

What are the Key Features of a Fire Alarm System?

- **Smoke & Heat Detectors:** Continuous monitoring for early fire detection.
- **Manual Call Points:** Enables occupants to trigger alarms manually.
- **Audible & Visual Alerts:** Sirens, horns, and strobes for effective warning.
- **Fire Control Panel:** Central monitoring and alarm management.
- **Integration Capabilities:** Connects with sprinklers, fire pumps, and building management systems.

What are the Benefits of a Fire Alarm System?

- Early Fire Detection reduces damage and risks.
- Immediate Alerts ensure safe evacuation.
- Reliable Operation with automatic and manual controls.
- Compliance with National Building Code (NBC) and local fire authority requirements.
- Scalable & Customizable for factories, offices, commercial buildings, and residential complexes.

What all is included in Installation & Maintenance of a Fire Alarm System?

- Professional installation by trained engineers
- System testing and commissioning as per standards
- Periodic inspection and preventive maintenance
- Integration with existing safety infrastructure





Fire Fighting Sprinkler System & Installation

The Fire Sprinkler System is an automatic fire suppression solution that activates when a fire is detected, controlling or extinguishing it at the source. Each sprinkler operates individually, discharging water only at the point of fire, which ensures rapid suppression and minimizes property damage. The system uses a combination of underground and overhead piping connected to dedicated water storage and pumps, guaranteeing constant availability of water. It can be integrated with fire alarm systems for coordinated response. This system provides round-the-clock protection, maintains compliance with NBC and local fire safety norms, and is suitable for factories, warehouses, offices, and high-rise buildings. Routine inspections and preventive maintenance are carried out to ensure the system is always ready for emergencies.

Why is a Fire Fighting Sprinkler System Important?

A Fire Fighting Sprinkler System is important because it automatically detects and controls fire at an early stage, significantly reducing the risk to life, property, and business operations

What are the Key Features of a Fire Fighting Sprinkler System?

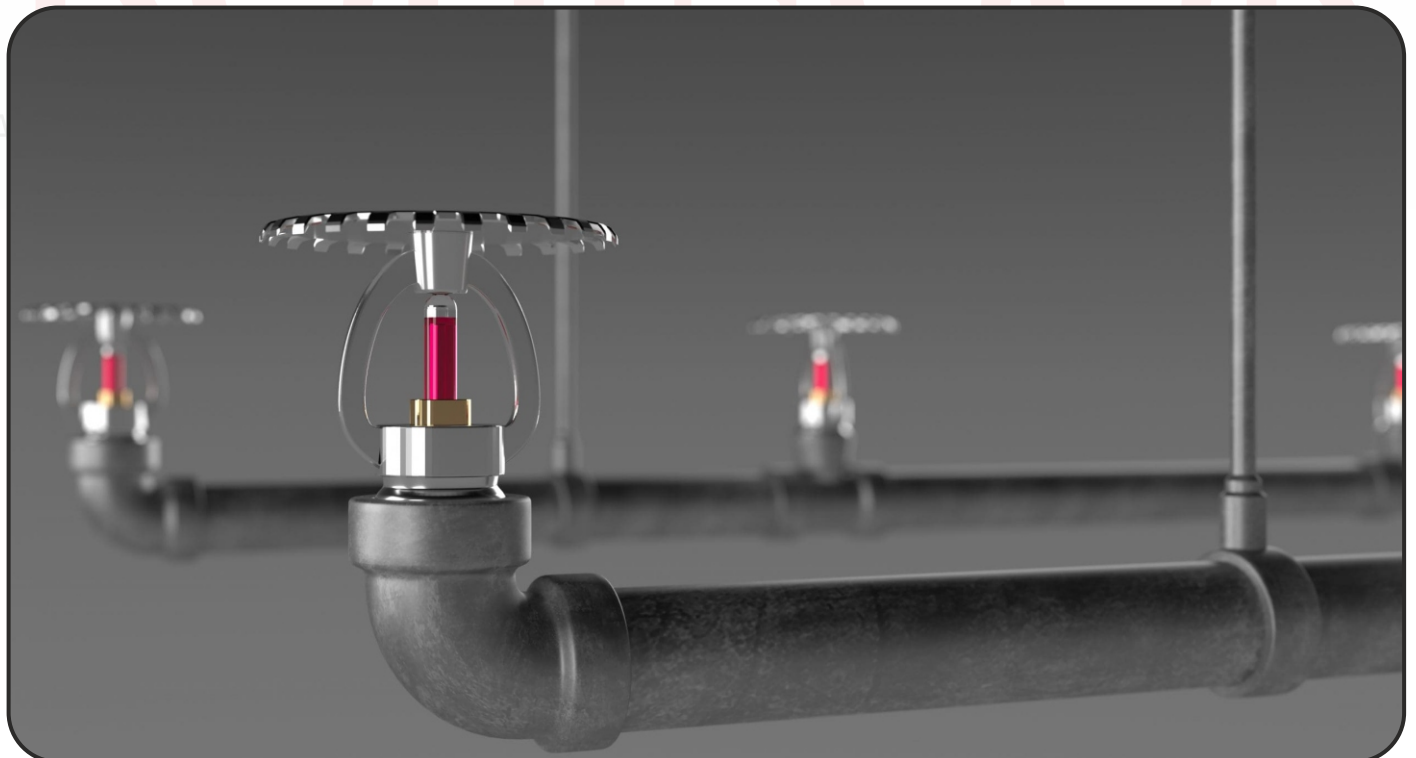
- Automatic Sprinklers: Activate individually at the heat source.
- Underground & Overhead Piping: Delivers water efficiently across the protected area.
- Water Storage & Pumps: Dedicated tanks and pumps ensure constant water supply.
- Integration: Can work with fire alarm systems and other safety infrastructure.

What are the Benefits of a Fire Fighting Sprinkler System?

- Immediate Fire Suppression reduces damage and risk.
- Reliable 24x7 Operation with automatic activation.
- Compliant with NBC & Local Fire Safety Norms.
- Suitable for Factories, Warehouses, Offices, and High-Rise Buildings.

What all is included in the Installation & Maintenance of a Fire Fighting Sprinkler System?

- Professional installation with approved equipment
- System testing and commissioning
- Routine inspection and preventive maintenance
- Ensures operational readiness during emergencies





Kitchen Fire Suppression System & Installation

Kitchen Fire Suppression System is designed specifically for commercial cooking areas, including restaurants, hotels, and large-scale kitchens. It provides automatic detection through heat and flame sensors and discharges approved fire-suppressing agents directly over cooking appliances via specialized nozzles. The system protects fryers, stoves, grills, and exhaust ducts, and can be integrated with fire alarms and kitchen ventilation controls. Manual activation is also possible through emergency pull stations. This system ensures rapid suppression of grease and oil fires, protecting life, equipment, and property, and complies with local fire safety standards. Regular inspections, refills, and maintenance keep the system fully operational at all times.

Why is a Kitchen Fire Suppression System Important?

A Fire Kitchen Suppression System is important because it is specifically designed to detect and extinguish fires caused by cooking oils, fats, and grease, which are among the most dangerous and fast-spreading fires in commercial kitchens.

What are the Key Features of a Kitchen Fire Suppression System?

- Automatic Detection: Heat and flame sensors trigger the system instantly.
- Nozzle-Based Suppression: Discharges approved fire-suppressing agents directly over cooking appliances.
- Hood & Duct Protection: Covers fryers, stoves, grills, and exhaust ducts.
- Integration: Can be linked with fire alarms and kitchen ventilation controls.
- Manual Activation: Emergency pull stations for manual override.

What are the Benefits of a Kitchen Fire Suppression System?

- Rapid Fire Suppression prevents fire escalation.
- Protects Life, Equipment & Property in high-risk cooking areas.
- Complies with Local Fire Safety Norms.
- Minimal Downtime after activation.

What all is included in the Installation & Maintenance of a Kitchen Fire Suppression System?

- Expert installation with approved suppression agents and equipment
- System testing and commissioning
- Periodic inspection, refill, and maintenance for readiness
- Ensures kitchens remain safe and operational at all times





Fire Tubing / Piping System & Installation

The Fire Tubing or Piping System forms the backbone of all fire protection infrastructure, distributing water or approved suppression agents to hydrants, sprinklers, and other firefighting devices. It consists of underground and overhead pipelines made from durable, approved materials such as MS, galvanized steel, or CPVC, engineered to ensure optimal water flow and coverage. The network integrates seamlessly with hydrants, sprinklers, kitchen suppression systems, and fire brigade inlet connections, maintaining required pressure and ensuring leak-free performance. Regular hydrostatic testing and preventive maintenance guarantee reliability and uninterrupted operation, in line with NBC and local fire safety codes.

Why is a Fire Tubing / Piping System Important?

A Fire Tubing / Piping System is important because it acts as the backbone of all fire-fighting systems, ensuring reliable, uninterrupted delivery of water or extinguishing agents to control and extinguish fires effectively.

What are the Key Features of a Fire Tubing / Piping System?

- Underground & Overhead Piping: Engineered for optimal water flow and coverage.
- Durable & Approved Materials: Galvanized steel, MS, or CPVC as per standards.
- Hydrant, Sprinkler, & Suppression Integration: Supports all fire protection systems.
- Pressure-Tested Network: Ensures leak-free and high-pressure water delivery.
- Fire Brigade Inlet Connections: Facilitates external water supply when needed.

What are the Benefits of a Fire Alarm System?

- Early Fire Detection reduces damage and risks.
- Immediate Alerts ensure safe evacuation.
- Reliable Operation with automatic and manual controls.
- Compliance with National Building Code (NBC) and local fire authority requirements.
- Scalable & Customizable for factories, offices, commercial buildings, and residential complexes.

What are the Benefits of a Fire Tubing / Piping System?

- Ensures 24x7 operational readiness for fire suppression.
- Maintains required flow and pressure at all endpoints.
- Complies with NBC & local fire safety codes.
- Supports multiple systems simultaneously (hydrant, sprinkler, and kitchen suppression).

What all is included in the Installation & Maintenance of a Fire Tubing / Piping System?

- Design and installation with layouts
- Hydrostatic and pressure testing before commissioning
- Periodic inspection and preventive maintenance
- Guarantees reliable performance during fire emergencies





CO₂ Flooding Fire Suppression System & Installation

CO₂ Flooding System provides clean and rapid-fire suppression by displacing oxygen in enclosed areas, making it ideal for electrical rooms, server rooms, control panels, and industrial machinery. The system includes automatic detection using smoke, heat, or flame sensors and discharges CO₂ through strategically placed nozzles to suppress fire instantly. Manual activation is also possible, and the system integrates with fire alarms and control panels. High-pressure CO₂ cylinders ensure efficient and controlled release during emergencies. This clean agent system prevents damage to sensitive equipment, complies with NFPA 12 and local fire safety standards, and is regularly inspected and tested to maintain readiness.

Why is CO₂ Flooding Fire Suppression System important?

A CO₂ Flooding Fire Suppression System is important because it is a fast-acting, clean, and highly effective fire protection solution for areas where water or foam would cause serious damage or be ineffective.

What are the Key Features of a CO₂ Flooding Fire Suppression System?

- Automatic Detection: Integrated smoke, heat, or flame sensors trigger the system.
- CO₂ Discharge Nozzles: Flood the protected area with carbon dioxide to suppress fire instantly.
- Manual Activation: Emergency pull stations available for manual operation.
- Integration: Works with fire alarms, control panels, and other safety systems.
- High Pressure Cylinders: Store and deliver CO₂ efficiently during fire events.

What are the Benefits of a CO₂ Flooding Fire Suppression System?

- Rapid Fire Suppression prevents fire escalation.
- Non-Damaging & Clean Agent preserves sensitive equipment.
- Complies with Local Fire Safety Standards.

What all is included in the Installation & Maintenance of a CO₂ Flooding Fire Suppression System?

- Installation with certified CO₂ cylinders and nozzles
- System testing and commissioning before operation
- Regular inspection of cylinders, piping, and controls
- Ensures reliable and safe operation during emergencies



Gas Suppression Systems, Fire Alarm Detection

Co./ Clean Agent / Water / Powder / Foam Bladder System



Fire Alarm Control Panel



Conventional Fire Alarm Panel



Hooter With Flash Light



Manual Gas Abort Unit



Electronic Hooter



Addressable Fire Alarm Panel



Manual Gas Release Unit



Manual Call Point



Battery Operated Smoke Alarm



Panel Operated Smoke Alarm



Gas Leakage Detector



Electrical Control Panel For Fire Pump



Electrical Siren



Fire Resistant Door



Gate Valve



Inline Foam Inductor



Mobile Foam Unit



Deluge Valve



Foam Bladder Tank

FIRE SAFETY SIGNAGE



Hydrant Systems

Sprinklers | Hydrant | Hose Boxes | Fire Hose Reels | Accessories

Landing Valves :- Single Outlet ISI Marked (Type A)



Technical Specifications:-
Size: Inlet 75 / 80mm with 63mm size one no. female outlet

Material:-
Leaded Tin Bronze of IS:318 and stainless steel -IS:3444

Performance Test
Hydrostatic (Body Test) : Tested at 21 Kgf/cm²
Water Tightness (Seat Test) : Tested at 14 Kgf/cm²
Flow Test: 900 Liter at 7 Kgf/cm²

Landing Valves :- Double Outlet ISI Marked (Type B)



Technical Specifications:-
Size: Inlet 100mm with 63mm size two nos. female outlet

Material:-
Leaded Tin Bronze of IS:318 and stainless steel -IS:3444

Performance Test
Hydrostatic (Body Test) : Tested at 21 Kgf/cm²
Water Tightness (Seat Test) : Tested at 14 Kgf/cm²
Flow Test: 1800 Liter at 7 Kgf/cm²

Hose Delivery Coupling



Technical Specifications:-
Size: 63mm

Material:- Leaded Tin Bronze of IS:318 and stainless steel -IS:3444

Performance Test
Hydrostatic (Body Test) : Tested at 21 Kgf/cm²
Other Range
70mm, 52mm & 38mm

Branch Pipe and Nozzle



Technical Specifications:-
Size: 63mm

Material:-
Leaded Tin Bronze of IS:318 and stainless steel -IS:3444

Performance Test
Hydrostatic (Body Test) : Tested at 21 Kgf/cm²
Other Range
52mm & 38mm

Fire Hose



Technical Specifications:-

Inner Diameter	63 mm
Mass per meter	500 gms max
Burst Pressure	36 bar
Proof Pressure	22 bar
Kink Pressure	22 bar
Working Pressure	18 bar

All sizes hose available

Stand Post Type Water Cum Foam / Water Monitor as per IS : 8442



Technical Specifications:-
Size: 63mm

Material:-
Seamless Steel Tubes

Performance Test
Hydrostatic (Body Test) : Tested at 21 Kgf/cm²
Discharge at working pressure 7 Kgf/cm²: 1700 Lit/min
Range : Vertical - 21 meter | Horizontal - 53 meter
Rotation : Vertical : 125 min (80 Upward and 45 downward) Horizontal : 360 in either direction

Rubber / Thermoplastic Hose



IS: 444
(Rubber Hose)

IS: 12585
(Thermoplast Hose)

Nominal Bore	Nominal Bore	20.0+0.75 mm
Type I	Working Pressure	6 Kgf/cm ²
	Proof Pressure	12 Kgf/cm ²
	Brusting Pressure	19 Kgf/cm ²
Type II	Working Pressure	10 Kgf/cm ²
	Proof Pressure	20 Kgf/cm ²
	Brusting Pressure	30 Kgf/cm ²

First Aid Hose Reel



Technical Specifications:-
Size: Inlet 20mm (3/4 BSP Thread Size) Hose Reel Tubing Hydraulic Rubber Hose Conf to IS:444

Type : Swinging 180 Wall Mounting

Performance Test
Hydrostatic Test : Tested at 21 Kgf/cm²
Range and Water Flow rate test at 7 Kgf/cm²
(A) Discharge : 24 Liter per Minute
(B) Range (Jet Length): 6 mtr (min)

Fire Hose Box



Material : Mild Steel, Stainless Steel and FRP

Type : Single Door / Double Door type with Locking Arrangement, Front Glass and Key

4/3/2 Way Suction Collection Head



Consist of 4/3/2 nos. 63mm Size (GM) Male Instantaneous coupling as per IS:903 with NRV

Sprinkler Flexi Drop



Foam Making Branch Pipe



Triple purpose Nozzle



Air release valve



Shut Off Nozzle Size: 3/4



Water Spray Nozzle



Sprinkler



Personal Protective Equipments

We provide end to end products related to e safety solutions to make sure that your life and property always safe & secure



Safety Helmet



Safety Face Screens



Splash Safety Goggle



Safety Goggle



Ear Muffs



Ear Plug



Head Cap (Bouffant Cap)



Dust Mask



Safety Helmet with face shield



Safety Gumboot



Safety Boot



Nitrile Hand Gloves



Cotton Hand Gloves



Megaphone PA system



Wind Sock



First Aid Kit



Kevlar Apron



Reflective Jacket



Water Gel Blanket



Fire Blanket



Tyvek Dupont Suit



Aluminised fire suit



Breathing Apparatus



Fall Arrest Harnesses



Safety Shower with Eye Face Wash

Fire Suppression System

Quickly detects and controls fire hazards to protect lives, property, and valuable assets with reliable safety solutions. It helps minimize damage and ensures faster emergency response.



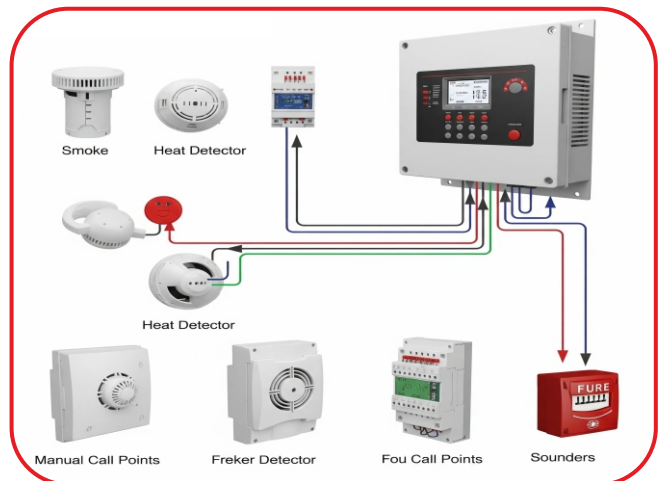
Hydrant System

Provides continuous water supply during fire emergencies for effective firefighting in buildings, industries, and commercial spaces. Designed for dependable performance and quick fire control.



Fire Alarm System

Detects smoke, heat, or fire at an early stage and gives instant alerts for maximum safety and protection. Helps prevent major losses by ensuring timely warning and evacuation.



 **OUR VALUABLE CORPORATE CLIENTS**


































Pioneering Fire Protection in India

Fire Has A Plan Do You ?



KOHINOOR

AN ISO 9001 : 2015 CERTIFIED COMPANY **SAFETY SERVICE**



Head office: 16D, Samrat Mill Compound, LBS Road, Near Jaswanti Landmark,
Vikhroli (West), Mumbai - 400 079.

Contact: +91 98926 13864 / +91 98679 82425,

E-mail: director@kohinoorsafetyservices.in / info@kohinoorsafetyservices.in