



ROSAL SAFETY

PRIVATE LIMITED



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About Us

ROSAL SAFETY PVT LTD is a leading provider of design, supply, installation, testing, and commissioning of fire & safety systems. Rosal Safety commit to deliver high quality of fire extinguishers and other fire safety products.

With a team of highly skilled professionals, we ensure that our clients receive top-quality solutions tailored to their specific needs. Our services also include annual maintenance of fire systems to ensure optimal performance and compliance with safety regulations.

We understand the importance of fire safety and strive to provide reliable, efficient, and cost-effective solutions. Committing to integrity & independence and accountability add value to clients as an objective source of advice and assurance.

Trust Rosal Safety for all your fire and safety product needs. With the goal of empowering lives to safety, we here commit ourselves towards the need of New World.

We have successfully introduced innovative fire safety products to the market, time after time.

Vision Statement

"A safer world through innovation, education, and excellence in fire protection and safety solutions."

Mission Statement

"To protect lives, property, and the environment by providing top-tier fire safety services and products. We are committed to excellence, continuous improvement, and fostering a culture of safety through education, training, and cutting-edge technology."

ABC POWDER TYPE DRY FIRE EXTINGUISHNER



MODEL	SPF- 1 KG ABC P	SPF- 2 KG ABC P	SPF- 4 KG ABC P	SPF- 6 KG ABC P	SPF- 9 KG ABC P
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	1	2	4.5	6	9
FIRE RATING	1A 21B	1A 34B	3A 89B	4A 144B	6A 233B
EXTINGUISHING MEDIUM	MAP BASED POWDER	MAP BASED POWDER	MAP BASED POWDER	MAP BASED POWDER	MAP BASED POWDER
TEMPERATURE RANGE	-30°C to +60° c	-30°C to +60° c	-30°C to +60° c	-30°C to +60° c	-30°C to +60° c
AVERAGE DISCHARGE TIME (Sec.)	8-10 Sec.	10-14 Sec.	15-20 Sec.	16-22 Sec.	20-25 Sec.
AVERAGE DISCHARGE RANGE (Meters)	02 Mtrs.	02 Mtrs.	04 Mtrs.	05 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	NITROGEN	NITROGEN	NITROGEN
CO ₂ CARTRIDGE CAPACITY (grams)	—	—	—	—	—

ABC DRY CHEMICAL POWDER is a commonly used fire extinguisher agent that can effectively suppress fires caused by flammable liquids, gases, and electrical equipment. When using an ABC fire extinguisher, it is important to remember to follow the proper steps for safe and effective operations. Fire extinguishers are a vital tool in any workplace or public setting for the prevention and suppression of fire.

ABC POWDER WHEELED TYPE FIRE EXTRINGUISHER

CAPACITY	25 KG STORED PRESSURE	80 KG STORED PRESSURE
TYPE	Wheeled type ABC	Wheeled type ABC
IS NO.	IS 16018	IS 16018
FIRE RATING	16A 189B	20A 233B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	6 Mtrs.	07 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	90%	90%
AVERAGE DISCHARGE TIME (SEC)	25-30 Sec.	45-50 Sec.
CHARGE PRESSURE	1.5Mpa	1.5Mpa
TEST PRESSURE	3.5 Mpa	3.5 Mpa
EXTINGUISHER MEDIA	ABC DRY CHEMICAL POWDER IS 4308	ABC DRY CHEMICAL POWDER IS 4308
EXPELLANT	NITROGEN	NITROGEN
LENGTH OF HOSE PIPE	2 mtrs.	4 mtrs.



FOAM TYPE FIRE EXTRINGUISHER



MODEL	6 liter MF	10 liter MF
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	6	10
FIRE RATING	3A 89B	4A 144B
EXTINGUISHING MEDIUM	AFFF FOAM IS 4989	AFFF FOAM IS 4989
TEMPERATURE RANGE	+5°C to +60°C	+5°C to +60°C
AVERAGE DISCHARGE TIME (Sec.)	12-16 Sec.	18-20 Sec.
AVERAGE DISCHARGE RANGE (Meters)	05 Mtrs.	05 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN
Co2 CARTRIDGE CAPACITY (grams)	—	—

FOAM TYPE FIRE EXTINGUISHER

In the event of a fire, these extinguishers are designed to quickly and effectively suppress flames fueled by flammablliquids such as. gasoline or oil. The main agent is used to suppress the fire is AFFF(aquas film forming foam and water) which creates separation layer between combustible ful and fire.

APPLICATIONS,

Specific to use fire accrued by liquid fuel like kerosene, edible oil etc.

FOAM WHEELED TYPE FIRE EXTINGUISHER

CAPACITY	MECHANICAL FOAM	MECHANICAL FOAM
	25 liter	50 liter
TYPE	Foam based	Foam based
IS NO.	IS 16018	IS 16018
FIRE RATING	16A 189B	20A 233B
OPERATING TEMPERATURE	+5° C TO +55° C	+5° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	6 Mtrs.	6 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	95%	95%
AVERAGE DISCHARGE TIME (SEC)	25-30 Sec.	40 Sec.
OPERATING PRESSURE	1.5Mpa	1.5Mpa
TEST PRESSURE	3.5 Mpa	3.5 Mpa
EXTINGUISHER MEDIA	AFFF Foam As per IS 4989	AFFF Foam As per IS 4989
EXPELLANT	NITROGEN	NITROGEN
EXPELLANT CAPACITY	—	—
LENGTH OF HOSE PIPE	2 mtrs.	2 mtrs.



CARBON DIOXIDE FIRE EXTRINGUISHER



MODEL	2 KG CO2	5 KG CO2
CYLINDER BODIES	PESO APPROVED	PESO APPROVED
CAPACITY (KG)	2	4.5
FIRE RATING	21B	55B
EXTINGUISHING MEDIUM	CO ₂ Gas IS 15222	CO ₂ Gas IS 15222
TEMPERATURE RANGE	-30°C to + 60°C	-30°C to + 60°C
AVERAGE DISCHARGE TIME (Sec.)	09 Sec	10-12 Sec.
AVERAGE DISCHARGE RANGE (Meters)	02 Mtrs.	03 Mtrs.
TEST PRESSURE	250 BAR	250 BAR

CO2 Type FIRE EXTINGUISHER

Carbon Dioxide is discharged as a white cloud which douses the fire by eliminating oxygen. Carbon Dioxide is a clean, non-contaminating, odorless gas, suitable for tackling Class B or electrical fires. "These extinguishers are designed specifically for fires involving electrical equipment and flammable liquids. It is the gaseous form of extinguishing agent, which ceases the fire by its cooling effect, As part of a comprehensive first aid and fire safety plan, CO2 extinguishers play a vital role in protecting lives and property in the event of a fire.

APPLICATION,

Electrical pannel, electric connection etc.

CARBON DIOXIDE WHEELED TYPE FIRE EXTINGUISHER

CAPACITY	9 kg	25 kg
TYPE	Wheel type CO ₂	Wheel type CO ₂
IS NO.	IS 16018	IS 16018
FIRE RATING	55B	89B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C
AVERAGE JET LENGTH THROW (IN MTRS)	04 Mtrs.	04 Mtrs.
AVERAGE DISCHARGE PERCENTAGE	95%	95%
AVERAGE DISCHARGE TIME (SEC)	15-20 Sec.	20-30 Sec.
OPERATING VALVE	Wheel type	Wheel type
TEST PRESSURE	25 Mpa	25 Mpa
EXTINGUISHER MEDIA	Co2 Gas as per IS 15222	Co2 Gas as per IS 15222
EXPELLANT	CO ₂	CO ₂
LENGTH OF HOSE PIPE	2 Mtrs.	2 Mtrs.



KITCHEN TYPE FIRE EXTINGUISHER

Kitchen type fire extinguisher offers a distinctive unique feature by reacting chemically cooking oil or fats (saponification) & forms non-combustible layer on surface, thereby provides a very fast flame knock down & complete securement of grease related fire. High reactive of chemicals, reduces fire intensity of oil immediately and also it does not produce any hazardous by-product due to fire or reaction with burning oil. Ease of post fire cleaning, also non corrosive product after fire.



MODEL	6Ltrs. K	9Ltrs. K
CYLINDER MATERIAL	S.S	S.S
CAPACITY (Ltrs.)	6 Ltrs.	9 Ltrs.
FIRE RATING	25F	75F
EXTINGUISHING MEDIUM	WET CHEMICAL	WET CHEMICAL
AVERAGE DISCHARGE TIME (Sec.)	15-18 Sec.	18-20 Sec.
AVERAGE DISCHARGE RANGE (Meters)	03 Mtrs.	04 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN

AUTOMATIC MODULAR TYPE FIRE EXTINGUISHER

Our Automatic Modular Type Fire Extinguisher is ideal for using in unoccupied rooms or spaces. It is automatic type fire extinguisher which is operated when it comes in the contact of fire

APPLICATION,

Server Room, Electric Room, Unmanned Protection Area etc

MODEL	M05	M10
CAPACITY	5 KG	10 KG
DESIGN	Ceiling mounted	Ceiling mounted
AVERAGE DISCHARGE TIME	6-8 sec	10-15 sec
HANGING HEIGHT ABOVE RISK	1.5 to 2 Mtr	1.75 to 2.25 Mtr
AREA PROTECTION	2 to 2.5 m ²	4 to 5 m ²
VOLUME PROTECTION	6 m ³	10 m ³
AVERAGE % DISCHARGE	99%	99%
OPERATING TEMPERATURE	68°C	68°C
SERVICE / TEST PRESSURE	15 / 35 BAR	15 / 35 BAR
EXPELLING AGENT	Nitrogen / Clean Agent	Nitrogen / Clean Agent



BC TYPE STORE PRESSURE TYPE CARTRIDGE TYPE



BC type fire extinguishers are designed for fighting Class B and C fires, which involve flammable liquids and electrical equipment. These extinguishers typically use dry chemicals like sodium bicarbonate to smother flames effectively. Stored pressure fire extinguishers are the most common type, where the expellant is stored in the same chamber as the extinguishing agent, making them easy to use and maintain for various fire classes. On the other hand, cartridge-operated fire extinguishers, with their separate expellant cartridge, are highly reliable and rugged, ideal for industrial settings where dependability is essential.

WATER TYPE



Water type fire extinguishers are specifically designed to combat Class A fires, which involve ordinary combustibles such as wood, paper, and textiles. These extinguishers work by spraying water onto the fire, cooling the burning materials and reducing the heat, which effectively stops the fire from spreading. Water extinguishers are simple to use, environmentally friendly, and widely used in places like offices, schools, and residential buildings where the risk of Class A fires is common. However, they should never be used on electrical fires or fires involving flammable liquids, as water can conduct electricity and spread flammable substances.

Lithium Ion (vermiculite)



AQUEOUS VERMICULITE DISPERSION AVD FIRE EXTINGUISHER

AVD Fire Extinguisher agent is an aqueous dispersion of chemically cexfolled vermiculite. It is applied to lithium battery fire as a mist Extinguisher and preventing the propagation of the fire

KANEX Lithium-ion Battery fire extinguisher with AVD agent provides effective lithium battery fire protection to prevent the propagation of heat when applied as a mist. The AVD coating also acts as a fire break. The vermiculite particles within the mist are deposited on the surface of the burning fuel to create a film over the top of the fire

The film instantly dries and then, because the high aspect ratio platelet particles overlap and bind together, a non-flammable oxygen barrier between the fuel and the atmosphere is produced. This process has a cooling effect on the fuel source and, as the water content in AVD is evaporated, the vermiculite begins to build up and the fire is brought under control

KITCHEN FIRE SUPPRESSION SYSTEM

Our system is easy to install and maintain. It is apt for high temperature, intensive use and tough applications.

The 'performance-enhanced nozzles in our system's technology have a wider range and extinguishing performance.

The nozzles are different with its non-clogging

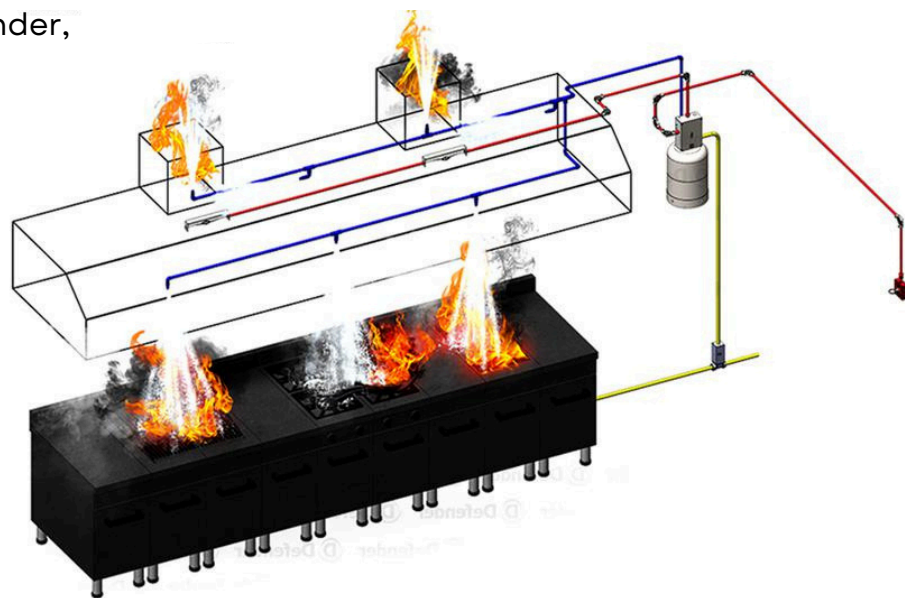
feature. The total cost of the system is low with a small capacity system cylinder,

minimum number of nozzles and less pipe line. The kitchen system

cylinder is continuously

pressurized. Maintenance and refilling costs are economical.

The system activation mechanism can be operated both automatically and manually.



APPLICATION

Restaurerent, cloud kitchen, etc.

FM 200 / NOVEC 1230 FIRE SUPPRESSION SYSTEM



NOZZLE



CYLINDER VALVE



SOLENOID VALVE



SIGNAL DEVICE



Novec 1230/FM-200 fire suppression system. In comparison, a Novec 1230 system is a clean agent fire suppression system that uses a gas-based agent to suppress fire without causing damage to sensitive equipment or valuable assets. This system is ideal for protecting high-value assets, such as data centers or server rooms, electrical cabinet, power supply unit or station etc where water-based suppression systems may not be suitable. These fire suppression agents are nontoxic and electrically non conductible hence no harm for person as well as electronic assets.

APPLICATION

Server Room, Data Center, Electrical Cabinets, etc.

IHP (INDIRECT HIGH PRESSURE)

Indirect Release the tube, which acts as a detection device it, tells the fire suppression system to discharge the fire suppressing agent through other pipes and nozzles and eventually extinguish the fire.

How it works:

Once the tubing detects the fire, it ruptures, resulting in a drop of pressure causing the indirect valve to activate. The valve diverts flow from the detection tube to the larger outlet ports. When the fire suppression system kicks in, a suppressing agent is discharged from the cylinder through the diffuser nozzles, flooding the area while effectively suppressing the fire quickly and thoroughly. An indirect release system is typically used in larger areas that require a high volume of extinguishing agents to suppress the fire effectively

DHP (DIRECT HIGH PRESSURE)

Direct Release System, the suppressant agent comes via the hole in the tube directly.

How it works:

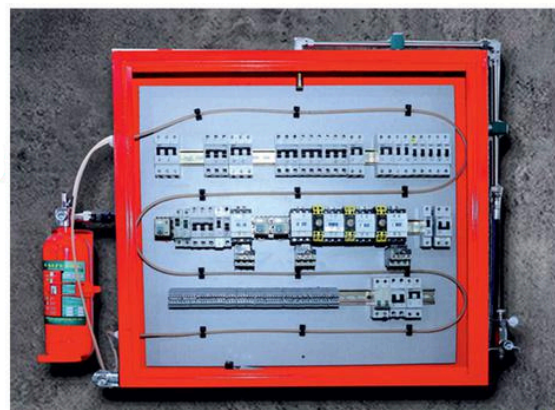
During a fire, the portion of the tube nearest the point where the most heat is detected ruptures, forming a comprehensive spray nozzle. The pressure decreases as the tubing releases the entire contents of the cylinder through the spray nozzle (burst hole) to effectively suppress the fire. A direct release system can be installed to protect multiple enclosures using a single cylinder by routing additional tubing to each enclosed space. Both direct and indirect systems are available in low- and high-pressure functionality for areas of any size. A fire suppression specialist will determine which system is right for your application.



FM 200 / NOVEC 1230 FIRE SUPPRESSION SYSTEM

DIRECT LOW PRESSURE (DLP) FIRE SUPPRESSION SYSTEM

DLP System: The fire detection tube acts as the delivery system for the suppression agent which discharges and directly releases the agent onto a fire via the burst hole which acts as a nozzle in the fire detection tube. Act as a heat- sensing and agent discharge tube.

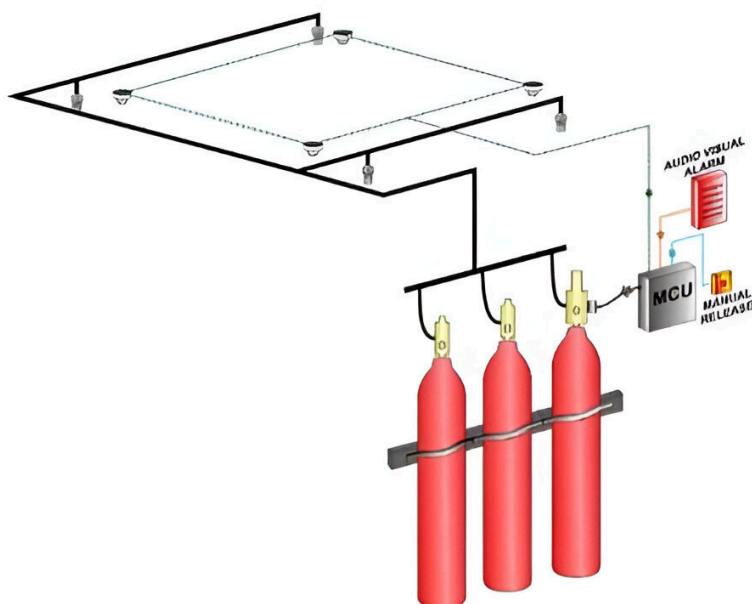


CLEAN AGENT TOTAL FLOODING



Clean agent total flooding systems are advanced fire suppression systems that use environmentally friendly, gaseous agents to extinguish fires in enclosed areas. These systems work by releasing the clean agent, such as FM-200, Novec 1230, or Inergen, into the protected space, reducing the heat or interrupting the chemical reaction required for combustion. Clean agents are non-conductive, non-corrosive, and leave no residue, making them ideal for protecting

sensitive equipment and valuable assets in areas like data centers, control rooms, and museums. They are effective against Class A (ordinary combustibles), Class B (flammable liquids), and Class C (electrical) fires. Clean agent systems are designed to quickly suppress fires while being safe for use in occupied spaces, minimizing the risk of damage and ensuring a swift return to normal operations.



CO₂ TOTAL FLOODING

CO₂ total flooding systems are specialized fire suppression systems designed to extinguish fires in enclosed spaces by displacing oxygen with carbon dioxide (CO₂). When a fire is detected, the system releases a large amount of CO₂ into the protected area, quickly reducing the oxygen level to a point where combustion can no longer occur. This method is highly effective for Class B (flammable liquids) and Class C (electrical) fires, making it ideal for environments like server rooms,

electrical switch rooms, and industrial machinery spaces. CO₂ total flooding systems are fast-acting, non-damaging to equipment, and leave no residue, but they require careful design and installation to ensure safety, as the rapid reduction of oxygen can be hazardous to personnel in the area.

FIRE HYDRANT PUMP



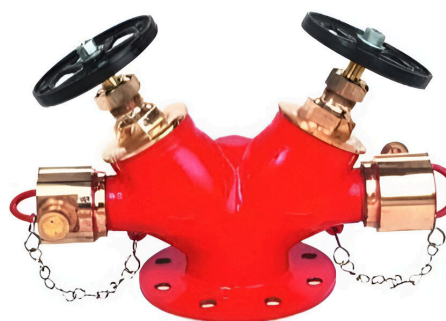
Installations of these pumps would ensure the safety of human life, buildings, and expensive equipments and plants. Fire pumpset shall be used only where a positive suction is provided as specified in NFPA20. Diesel engine as well as electric motor driven pump. Back pull-out design which simplifies inspection and maintenance without disturbing pipe work. The pump casing shall have material of construction of Cast Iron FG 260 (standard supply), CF8, CF8M, axial suction and radial discharge port, dynamically balanced impeller, steel shaft, stainless steel shaft sleeve. The pump shaft sealing will be by either gland packing or mechanical shaft seal suitable for 16 bar or 25 bar pressure rating based on shut off pressure of the pump. The pump shall have closed type impellers and bowl diffusers with material of construction stainless steel AISI 304 sheet metal, pump shaft shall be made of stainless steel AISI 316 material. The pump shall have back pull out design so as to enable the rotating parts to be removed and serviced without dismantling the suction and discharge pipe work.



FIRE HYDRANT PRODUCT



OBLIQUE LANDING VALVE



DOUBLE OUTLET LANDING VALVE

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINIUM
BODY, ASSEMBLY	STAINLESS STEEL IS : 3444	LTB 2 IS : 318	IS 617
VALVE SPINDLE	STAINLESS STEEL IS : 6603	BRASS ROD IS : 319/320	STAINLESS STEEL IS : 6603
CAST IRON WHEEL	IS : 210	IS : 210	IS : 210
RUBBER WASHER	IS : 937 (TYPE-A)	IS : 937 (TYPE-A)	IS : 937 (TYPE-A)
SPRING	STAINLESS STEEL IS : 6528	PHOSPHORUS WIRE IS : 7608	STAINLESS STEEL IS : 6528
GLAND PACKING- ASBESTOS THREAD	IS : 4687 (TYPE-3)	IS : 4687 (TYPE-3)	IS : 4687 (TYPE-3)

Hand Wheel : Gray Cast Iron Halogram : Sticker Stuck on Landing Valve

(Type "A" ISI Marked)

TECHNICAL SPECIFICATION

Size: 63 mm
Inlet: 80 mm NB Flanged
Outlet: Female Instantaneous
Conforming Specification: IS 5290: 1993



PERFORMANCE TEST

Hydraulic Test: 21 kg/cm²
Water Tightness Test: 15 kgf/cm²
Flow Test: 900 LPM at kgf/cm²

2 WAY AND 4 WAY



INLET FBC/ BREECHING 2 WAY INLET FBC BREECHING

Model	2 Way Inlet FBC Breeching
Size	63 mm Dia
Material	Gun Metal / S.S & Cast iron Body
Testing	Hydraulic Test : 21Kgf/cm ²



SPRINKLER ALARM VALVE

STAND POST SINGLE & DOUBLE OUTLET



SINGLE STAND POST

Description

- Water Tightness Test for the valve 18 kgf/cm² (for 2.5 Min)
- Hydrostatic Pressure Test 23 kgf/cm² (for 2.5 Min)
- Flow Test 900 LPM Min 6.7 kgf/cm² (for single outlet)



DOUBLE STAND POST

Description

- Water Tightness Test for the valve 18 kgf/cm² (for 2.5 Min)
- Hydrostatic Pressure Test 23 kgf/cm² (for 2.5 Min)
- Flow Test 900 LPM Min 6.7 kgf/cm² (for single outlet)

FOAM MONITER

DESIGN & CONSTRUCTION	AS PER IS : 8442
MATERIAL	SEAMLESS MILD STEEL TUBES
SIZE OF MONITER	63 MM
SIZE OF INLET FLANGE	80 MM
DISCHARGE CAPACITY	1750 LPM
HORIZONTAL THROW	50-50 METERS
ROTATION	360°
ELEVATION	58° TO 30°
JOINT	SWIVEL TYPE (GUN-METAL)
JET SPRAY NOZZLE	GUN METAL OR ALLUMINIUM
OPERATION PRESSURE	7 BAR
LEAKAGE PRESSURE	TO WITHSTAND PRESSURE OF 23 BAR

Fb 10x

Fb 5x



FIRE HYDRANT PRODUCT



SHORT BRANCH PIPE

Description

- Material - SS & GM
- Intel Connection :- 2 1/2 Male Instantaneous
- Outlet : Solid Jet nozzle
Operating Pressure : 150 PSL MAX,
/ 10.5 Kg/cm²



RRL HOSE PIPE

Description

- Material- Reinforced Rubber
- Length - 7.5/15/22.5/30 (in mtr)
- Application- Fire fighting
- Nominal bore- 38/50/63/70 (in mm)
- Bursting pressure- 35.7
- Testing pressure- 21.4



BUTTERFLY VALVE

Description

- Material- CI/SS
- Connection type- Flange
- Media - Water, Oil, Gas



NRV

Description

- Material- CI/SS
- Types- Single & Double Plate
- Hyd- Test Press- Seat: 15 bar
- Hyd- Test Press: BODY: 24 Kg
- Media - Water & Oil
- Temperature- -10 to 80° C

FIRE HYDRANT PIPES & FITTINGS

GALVANIZED PIPE

Galvanized steel pipe is the carbon steel pipe that are coated with a protective layer of zinc. The zinc layer served as a sacrificial layer, it will get rust before the carbon steel under neath it. Galvanized steel pipe include Two types: hot dipped galvanized steel pipe and cold galvanized steel pipe. Galvanized coating is designed to prevent corrosion and rust. It is also manufactured to keep other minerals, such as calcium, from building up on the pipes or bollards. It can last for years depending on the quality of the coating and the application.



Rigid Coupling



Flexible Coupling



90 Elbow



45 Elbow



225 Elbow



Cross



Reducing Tee Grooved



Equal Tee



Reducing Tee Threaded



Concentric Reducer



Concentric Reducer



Eccentric Reducer



Flange Adaptor



Flange Grooved



Cap Grooved



Tee Grooved



Tee Threaded



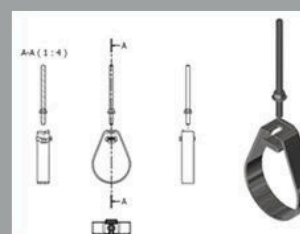
Cross Grooved



Cross Threaded



U Bolted Tee



FLEXIBLE SPRINKLER HOSE



FOAM MONITER

Model	NPT In.	K- Factor	minium Bend Radiusin (MM)	Rated Working Pressure psi (kpa)	Hose Assembly Length ft (M)	Equivalent Length of 1 in Schedule 40 Pipe ft (M)
SPF	1/2	5.6	6 (152)	1	3 (0.9)	26.3 (8.0)
SPF	1/2	5.6	6 (152)	3	4 (1.2)	31.6 (9.6)
SPF	1/2	5.6		4	5 (1.5)	35.3 (10.7)
SPF	1/2	5.6	6 (152)	4	6 (1.8)	39.1 (11.9)

Flexible Sprinkler hose with threaded end fittings are for use in commercial suspended ceilings. The flexible hoses are to be installed according to the manufactures directives.

UL LISTED SPRINKLERS

PENDENT TYPE SPRINKLERS

(Quick Response)
(Standard Response)

SIDE WALL MOUNTED TYPE

(Quick Response)
(Standard Response)

CONCEALED SPRINKLERS

(Quick Response)
(Standard Response)



DESCRIPTION

UL Listed
Made of Brass
Quick/Standard Response
Maximum Working Pressure
175 Psi (12 Bar)

Bulb Nominal Dia & Response	5 mm standard response
Thread size	NPT 1/2 or BSPT1/2
Nominal office size	1/2 inch
Nominal k-factor	5.6 (U.S)/80 (metric)
Max. working pressure	175 psig/1.2 Mpa (12 bar)
sprinkler finish	Natural brass, Chrome finish or white painting [RAL 9010]
Nominal temp. rating	135° F /[57° C] 155° F/[68° C] 175° F/[79° C] 200° F/[93° C] 286° F/[144° C]
Listing and approvals	UL Listed

HOSE REEL



TECHNICAL SPECIFICATION

Conforming to : 15:884/1958
 Size : Inlet : 1" Threaded Inlet Connection
 Type : Swinging 180° Wall Mounting
 Outlet: 3/4", 1", 1-1/2" outlet connection
 for House to
 accommodate 30 Mtrs. Hose

PERFORMANCE TEST

Hydraulic Test : Tested at 21 Kg/cm²
 Range & Water Flow rate test at 7Kg / cm²
 (A) Discharge : 24 LPM
 (B) Range (Jet Length) : 6 Mtr (Min)
 Halogram : Sticker Stuck On Wheel

HUB SIDES & WALL BRACKET

MS. SHEET OF IS :513

SWIVEL JOINT

LBT - 2 OF IS : 1239 PART 1

PIPE WITH FITTING

IS : 8090

NOZZLE

1750 LPM

HOSE REEL TUBING

THERMOPLASTIC HOSE CONFIRMING TOS: 12585
 RUBBER HOSE CONFIRMING TO IS : 444



HOSE REEL DRUM AVAILABLE IN MS AND SS BODY

HOSE REEL BOX



FIRE EXTRINGUISHER BOX



FIRE HOSE BOX

Single door ms/SS hose box



Double door ms/SS hose box



FIRE RATED DOOR

ITEMS Fire Doors

Door Leaves

Constructed from 0.0012m thick skin pass Galvanized Iron sheet (Conform to IS 277) or from 0.0008m thick skin pass Galvanized Iron Sheet (Conform to IS 277)

Thickness

0.046m

In-Fill

Rockwool / Mineral Wool / Honeycomb Kraft Paper

Door Frames

Constructed from 0.0016m thick Skin pass galvanized Iron sheet (Conform to IS 277) or from 0.0012m thick Skin pass Galvanized Iron sheet (Conform to IS 277) formed to single or double rebate profile of size

Profile

Dimensions

0.143m X 0.058m (+/-0.03m)

Bending radius

0.0014m

Vision Glass

Material

0.005m thick clear/wired glass Circular or Rectangular



FIRE ALARM PANELS

FIRE ALARM PANEL

Detection and Alarm system,
Available in both addressable and conventional type
the product is made in India Turkey Europe standard
approvals are **LPCB/UL/ISICE** etc



ABS HOOTER

FEATURES:

- New attractive look
- Suitable for malls, Restaurant, Banks Etc
- 100vAC/ 24
- 85 Db
- Abs body.
- 115x115X70
- Red colour
- 600gm



MCP FEATURES:

- Compatible with all conventional fire control panels
- Alarm test key faciltes
- Glass protected by a tin film
- Wall mounted
- LED blinking facity (optional)



HOOTER WITH STROBE [ABS]

- Hooter with flasher
- Wall mounted type
- Attractive look
- Suitable for Mall, Bank, Restaurant etc. Suitable for sound polluted areas.

- Iron made key box
- (Only for Single key) with breakable glass & hammer
- Box: Red
- Hammer: Black/Red/Silver
- Box in mm: H140xW90xD25.
- Thickness: 1 mm
- Key Hook to Bottom Distance: 115 mm

MECHANICAL SPECIFICATION:

Cabinet Type	MS
Colour	Red
Paint	Powerder Coatinf
Knock out	20 mm
DIMENSION	350x105x255mm
WEIGHT	4.7 kg without battery

CONVENTIONAL OPTICAL SMOKE DETECTOR



AS-503

CONVENTIONAL OPTICAL SMOKE DETECTOR

Technical Parameters:

- Votage range: 16-32 VDC
- Alarm current: 10-100mA
- Quiescent: 60uA @ 24VDC
- Operating temperature: 0C to +90°C
- Humidity: <95%RH
- Coverage: 50 sq. meters
- 2-wire
- Photoelectric sensor
- Product size: 10.6x10.6x5.2cm

Sand Bucket



Bucket Stand With & Without shade



Fire Blanket



SAFETY SUITS

SAFETY BOILER SUIT

THE FUTURE OF WORK WEAR IS HERE

Fireman Jacket & Trouser Specification

Multiple layers of Jackets and pants with suspender Certified to EN 469:

Outer Shell: 6.0oz NOMEX III A Fabric.

Moisture Barrier. Aramid/Kevlar non woven laminated with PTFE membrane for maximum breath ability and hydrostatic head (waterproof) performance. (EN 343 protection against foul weather)

Thermal Barrier.

Constructed using non-woven ARAMIDE KEVLAR fibres laminated with Nomex / Viscose innermost ling fabric for maximum protection;

Reflective Tape: 2" width yellow-silver-yellow reflective trims installed at arm and legs, front, back and bottom on the jacket and pants to enhance high visibility of workers;

Fireman Helmet Specification

Standard: CE En443

Brand: PAB

Performance: Flame-Retardant Shell/Interior Basket/Chin Strap; Puncture Resist; Retractable PC face protector; Neck protection, Reflective And Luminescent stripes. Adjusting head, Possible wearing of the protective mask under visor; Easy to operate and Spare parts available.

Color: Yellow

Weight: Approximately 1400 gms.

Fireman Balaclava Specification

Material: 50% Aramid + 48% Viscose +2% Anti Static Blended fabric

Color: Beige

Fireman Gloves Specification

Material: Multiple-layer leather glove.

Spec: The upper material is beef hide split with special treatment against high temperature, penetration of water and oils. Another function of this leather treatment is resistance against mechanical risks. The next layer is composition of technical Kevlar® and Nomex® that increases resistance against heat, abrasion and cutting. Knit wristband is made from Kevlar®. The gloves are tested and certified according to EN 659:2004+A1:2008- Protection gloves for firefighters.

Fireman Boot Specification

Material: Vulcanized Rubber & Sole Certified to EN ISO 20345 & EN 15090

Colour: Black+Yellow

Brand: HARVIK



Aluminized Suit



Boiler Suit
Model- SPF B 01



Boiler Suit
Model- SPF B 02



Boiler Suit
Model- SPF B 03



Boiler Suit
Model- SPF B 04



Boiler Suit
Model- SPF B 05

PERSONAL PROTECTIVE EQUIPMENT



Leather Hand Gloves
Model - SPF 02



Leather Hand Gloves
Model - SPF 04



Dotted Hand Gloves
Model - SPF 09



Nitrile Coated Hand Gloves
Model - SPF 10



Cotton Knitted Hand Gloves
Model - SPF 08



Safety Shoes
Model - SPFS 06



Safety Shoes
Model - SPFS 07



Safety Shoes
Model - SPFS 09



Safety Shoes
Model - SPFS 10



Safety Shoes
Model - SPFS 02



Reflective Jacket
Tape 1 Inch
Model - SPF J 10



Double Tape with Zip
Tape 2 Inch
Model - SPF J 05



Double Gray Tape
Tape 2 Inch
Model - SPF J 06



Reflective Jacket
Tape 2 Inch
Model - SPF J 07



Red Helmet
Model - SPF 01



Reflective Jacket
Tape 2 Inch
Model - SPF J 02



3 Way
Model - SPF J 09



3 Way
Model - SPF J 10



3 Way
Model - SPF J 11



Yellow Helmet
Model - SPF H 02



5 Persons



15 Persons



50 Persons

TRAFFIC ZONE



Powder Coated Q Manager

SS Q Manager



Safety Cones



Rubber / Plastic Speed Breaker



Corner Guard



Reflectibe Tape



Solar Blinkers



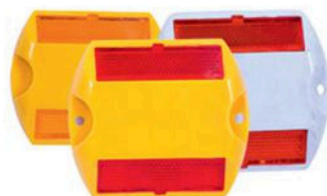
Plastic Floor Stand



Baton Light



Solar Road Stud MS



Solar Stud PVC Without Solar



Rechargeable Baton Light



Triangle

TRAFFIC ZONE



Cassets(Red, Blue, Black) 2.50 mtr



Caution Tape

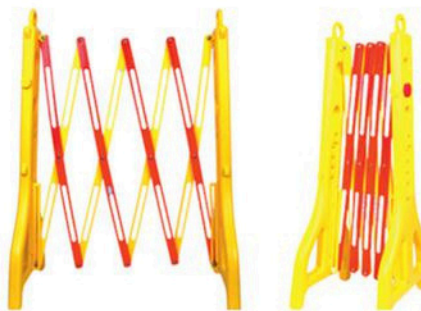


Wind Sock

Single Layer
Double Layer



Heavy Fold/ Expandable
Barrier (Red) (2300L x 1000 H)



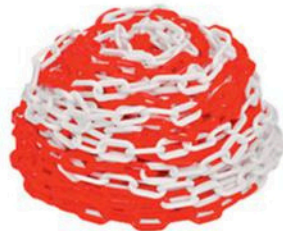
Foldable / Expandable
Barrier (Red) (2500L x 940 H)



Warning Bollards
Size - 800mm, 1100mm



Cone Top
Belt Manager



Chain (Plastic Chain)



Water Fillable Barrier



Barrier



Convex Mirror
18 inch/ 24 inch/ 32 inch/ 40 inch/ 48 inch mm



Dome Mirror



Life Buoy Ring
(IRS Approved)



ABC, BC POWDER

MONO AMMONIUM PHOSPHATE (MAP 40%, 50%, 90%)

ABC POWDER MONO AMMONIUM PHOSPHATE (MAP 40%, 50%, 90%)

Dry chemical powder are important fire fighting agents. The main advantage is practically immediate success of extinguishing fire. Furthermore, one can use dry powders for extinguishing large scale fire, spillage fire and three-dimensional fire. Mono Ammonium Phosphate is one of the important bases in use since very long time. It is very popular as it is user-friendly extinguishing medium for Class A, B, & C fire. Mono Ammonium Phosphate base material is mixed with other ingredients to improve flow characteristics and expelling properties. Powder is siliconised to impart excellent resistance to climatic changes. Dry N2 or CO2 can be used as a propellant.

Class A fires involving wood, paper, tyres, coal, film, textile etc.

Class B fires involving petrol, diesel, kerosene, oil, alcohols etc.

Class C fires involving petrol, electrical, gases etc.

APPLICATION

ABC powder is suitable for use in all types of portable fire extinguishers, mobile extinguishers and fixed installations.

ABC is suitable for A Class, B Class and C Class fire risk

AQUEOUS FILM FORMING FOAM (AFFF)



TECHNICAL DETAILS

Parameters	AFFF 1%	AFFF 3%	AFFF 6%
Appearance	Light Brown	Light Brown	Light Brown
SP. Gravity	1.3± 0.01	1.02± 0.01	1.01± 0.01
PH Value	7.5 ± 1	7.5 ± 1	7.5 ± 1
Viscosity	< 15 cSt<	< 10 cSt<	< 5 cSt<
Freezing Point	-1°C	-1°C	-1°C

*Also available in Freeze Protection Type

** Value depend equipment used and system parameter

CLEAN ACENT GAS

FK 5-1-12 EQUIVALENT NOVEC 1230



PHYSICAL PROPERTIES

Molecular Formula	C6 F12 O	Solubity of water in safe pro 1230 @25° C	<0.001 wt%
Molecular Mass	316.045	Specific heat, liquid @25°C	1.013 KJ/kg° C
Boling Point at 1 atm	49.2° C	Liquid Density @25°C	1.60 g/ml
Freezing Point	-108.0° C	Vapor Pressure @25°C	0.404 bar
Critical Temperature	168.7° C	Insulating Property(110k)	3.8 mA
Critical Pressure	18.65 bar	Dielectric Strength (KV)	74.6 kV (Test distance 3mm)
Critical Density	639.1 kg/m ³	ODP	0
Heay of Vaporiation at boiling point	88.0 kj/ kg	GWP	1.0
Liquid Viscosity @25C	0.524 cp	ATL	0.014

HFC 227 EA/FM 200 GAS



SPARES OF SUPPRESSION SYSTEM



Valve



Manual Actuator



Electric Cum Manual Actuator



DLP Valve



CO2 Valve



IPL Valve



FM 200 Discharge Nozzle



Inter Connecting Hose



Discharge Hose (DN 40/ DN 32)



UL- Listed Heat Detection Tube



Pressure Gauge

FIRE EXTINGUISHER ACCESSORIES

Fire extinguisher accessories

At our company, we offer a wide range of fire extinguisher accessories to support in refilling and maintaining your fire safety equipment. Our selection includes items such as Valve, discharge hose, nozzles, gauges safety seal, and more to ensure that your fire extinguishers are always in proper working order.

Valve Assembly



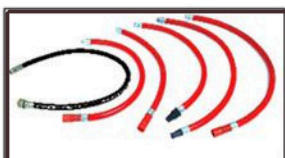
Safety Lock Pin



Floor Stand



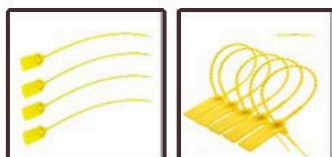
Hose Assembly



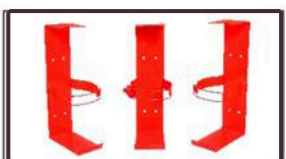
Wall Bracket



Tamper Seal



Vehicle Cylinder Bracket



Hose with Horn



Pressure Gauge



Rubber O Ring



Pressure Gauge



Hose and Lance



Thermoplastic Hose Pipe



PVC Nozzle



Hydrant Wheel



Nozzle/ Shut off Valve





**OFFICE ADD :- A 102, 1ST FLOOR
DATTANI PLAZA COMMERCIAL PREMISES
CHS LTD ANDHERI KURLA ROAD SAFEDUL,
SAKINAKA MUMBAI 400072**