



PRODUCT CATALOG

UNITY SINCE 2005



Ratnesh Tiwari (Proprietor)
UNITY SAFETY INDUSTRIES

"Meet Ratnesh Tiwari - A Pioneer in Fire Safety"

With over two decades of unwavering commitment to fire safety, Ratnesh Tiwari is a seasoned veteran in the industry. He founded Unity Safety Industries in 2005, setting a new standard for excellence in fire safety solutions.

20+ Years of Expertise: Ratnesh's wealth of experience has equipped him with a deep understanding of fire safety's intricacies, enabling him to deliver the highest level of protection for clients.

Corporate Partnerships: Unity Safety Industries has established lasting relationships with numerous corporate clients, demonstrating an exceptional track record in safeguarding commercial spaces.

Flawless Execution: Ratnesh and his dedicated team have executed a multitude of successful installations, ensuring that fire safety measures are seamlessly integrated into clients' premises.

Ratnesh Tiwari's visionary leadership has driven Unity Safety Industries to the forefront of the fire safety industry. Join us in the pursuit of safety excellence with a partner you can trust."

This content can be used as an introduction to Ratnesh Tiwari's credentials and the achievements of Unity Safety Industries in your brochure.



OUR CLIENTS





"Empowering Fire Safety Since 2005: Unity Safety Industries"

Welcome to Unity Safety Industries, your trusted partner in fire safety solutions. Established in 2005, we have been at the forefront of the industry, consistently delivering high-performance fire safety products and comprehensive services.

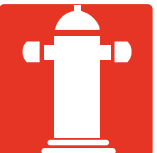
Our Commitment to Excellence: For over 15 years, we have been recognized as a leading manufacturer, supplier, service provider, and trader of fire extinguishers. Our products proudly bear the ISI and CE marks, representing the pinnacle of quality and safety.

A Holistic Approach: Unity Safety Industries is not just about fire extinguishers. We specialize in turnkey fire protection system projects, including CO2 flooding systems, clean agent gas suppression systems (FM-200/HFC 227EA), fire hydrant systems, MVWS systems, HVWS systems, fire alarm systems, foam flooding systems, fire tubing systems, kitchen "K" class (wet chemical) fire suppression systems, and much more. We provide a complete suite of fire protection solutions to meet all your needs.

Your Safety, Our Priority: At Unity Safety Industries, the safety of our clients is our foremost concern. We work tirelessly to ensure that your fire-fighting requirements are not just met but exceeded. Our dedicated team is committed to offering solutions that keep you, your family, or your business safe from potential fire hazards.

Experience Matters: With our extensive experience and a proven track record, we have earned the trust of countless clients in various sectors. Our reputation for excellence is built on a foundation of trust, reliability, and unwavering commitment to fire safety.

Choose Unity Safety Industries for a comprehensive range of fire safety solutions that ensure your peace of mind. We are your dedicated partner in fire protection, and we look forward to serving you.





VISION

Our vision and motivation to succeed is shared by our team of professionals. These professionals are highly trained and experienced in their respective fields. We recruit them after a rigorous selection procedure and provide them adequate training to brush up their skills.

MISSION

Our mission is to provide the best quality products that help our clients to function in a very safe environment and provide the best safety and protection.

Our indisputable position in the market is mainly because of our diligent and hardworking workforce. We strive hard to complete all our orders on schedule and deliver the same within the stipulated time period. The range of extinguishers offered by us is high performing and available at market leading prices.



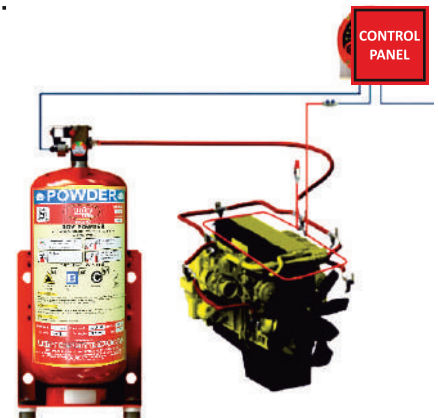


AUTOMATIC FIRE SUPPRESSION SYSTEM FOR VEHICLES

Fire Detection with automatically and manually operated Fire Suppression System. As per AIS 135 Fire Detection and Suppression System.

Includes:

- Fire Detectors, Fire Alarm & Visual Indicator.
- Fire indicator & control panel.
- Fire extinguishing agent container.
- Manual actuation mechanism.
- Discharge pipe work and nozzles.



This is an engineered fire suppression system which delivers the best results when it comes to risk reduction. The system is a combination of fire detection and suppression system in one complete package. The fire detection system is designed to be both manual and automatic operation. This means that an operator or the specially designed fire sensing device can actuate the system by itself. The discharge system is engineered to the vehicle's engine bay with the sole purpose of reducing the risk and limiting the possibility for re-ignition, thus protecting the lives of onboard passengers.

Benefits of the system :

- Full 24/7 monitoring of the heat detection sensor and cylinder pressure.
- Rapid detection of a fire.
- Initiates an alarm signal.
- Automatically activates discharge process of extinguishing agent.
- Manual activation of discharge and extinguishing agent.
- Helps to initiate safety & evacuation functions.



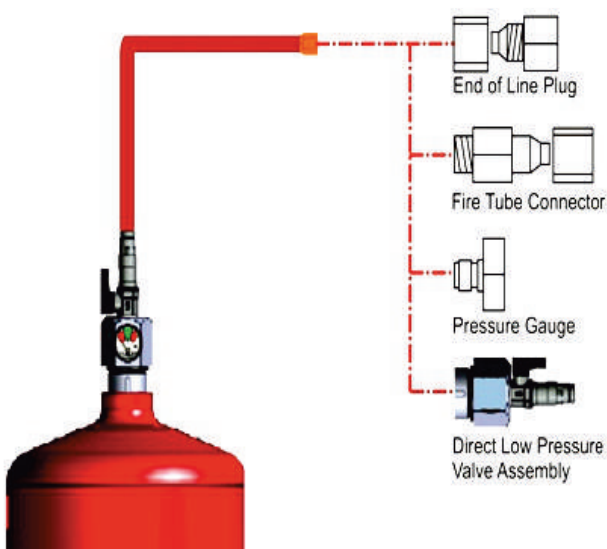


AUTOMATIC FIRE SUPPRESSION SYSTEM FOR ELECTRICAL PANEL / SERVER ROOM

Property protection and small extinguishing systems (e.g. for electrical panels, server racks, engine rooms and tool machinery) have spot-on and prompt effects. The key to this is represented by our fire tube (pneumatic sensor hoses) which can be installed flexibly in the building or danger area, are practically immune to malfunctions and do not require any external power supply.

They are as simple as they are ingenious. In the event of fire, the fire tube bursts at the Hottest spot. The loss in pressure causes the valve to open and release the fire extinguishing agent. The practical thing about this principle is that the detection feature can also be secured in the immediate vicinity of a potential fire source.

This means that a fire can be detected during its emergent phase, i.e. during the first few seconds. And this "baby fire" can then be easily put out even using a small fire-extinguishing system, the size of which can be adapted to the respective danger potential.





FM - 200 / HFC - 227ea

FM-200/HFC-227ea is an odourless, colourless, liquefied compressed gas. It is stored as a liquid and dispensed into the hazard as a colourless, electrically nonconductive vapour that is clear and does not obscure vision. It leaves no residue and has acceptable toxicity for use in occupied spaces at design concentration. FM-200/HFC-227ea extinguishes a fire by a combination of chemical and physical mechanisms. FM-200/HFC-227ea's mechanism of extinguishing fires is considered active. Its primary action is through physically cooling the fire at the molecular level. FM-200/HFC-227ea belongs to the same class of agents used in the refrigeration industry; therefore, it is an efficient heat transfer agent. FM-200/HFC-227ea removes the thermal energy from the fire to the extent where the combustion reaction cannot sustain itself.

THE FOLLOWING ARE TYPICAL HAZARDS PROTECTED BY FM-200/HFC-227ea SYSTEMS:

- Computer rooms
- Document store
- Tape/DATA storage
- Telecommunication/Switchgear
- Vaults
- Process equipment
- All normally occupied or unoccupied electronic areas where equipments are either very sensitive or irreplaceable.



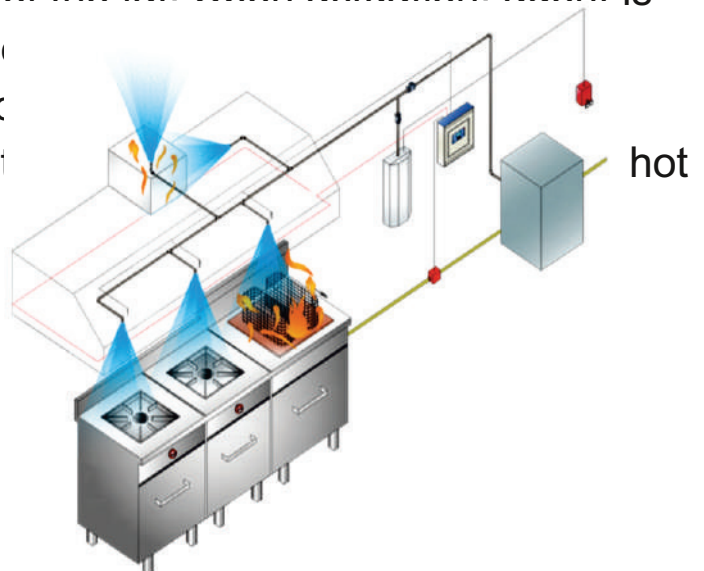


KITCHEN - WET CHEMICAL BASED SYSTEM

Kitchen fires are some of the fiercest and most difficult fire to fight and diminish. Fire hazard risk is very dangerous in commercial kitchen. Kitchen fire is generally due to burning of oil. In any kitchen there are inflammables like LPG on the premises, this aggravates the danger considerably. Kitchen; be it of a small café or a large industrial kitchen. Unity safety kitchen fire suppression system is equipped & ready to protect commercial & residential kitchens. Our fire extinguishers are wet chemical based and are specially designed to fight cooking oil fire arising in the kitchen with no flooding related collateral damage.

The unity Safety fire kitchen suppression system is designed for fire protection in hoods & ducts of cooking appliances & commercial kitchen and restaurants. Unity Safety Kitchen fire suppression system consists of wet agent tank enclosed in s.s mounting box, temperature rated sensors, linear heat sensing cable, control panel, nozzles & piping. The system can be provided with automatic actuation or manual actuation through a remote manual pull station. As the fire is detected, the control panel activates the system.

When the liquid agent is discharged onto a cooking appliance fire, it cools the grease surface, and reacts with the hot grease (saponification) forming a layer of soap-like foam on the surface of the fat. Upon actuation, agent is discharged onto the hazard area. Immediate waterline system is activated and it attacks hazard areas, continually refurbishing the appliance to prevent reigniting.



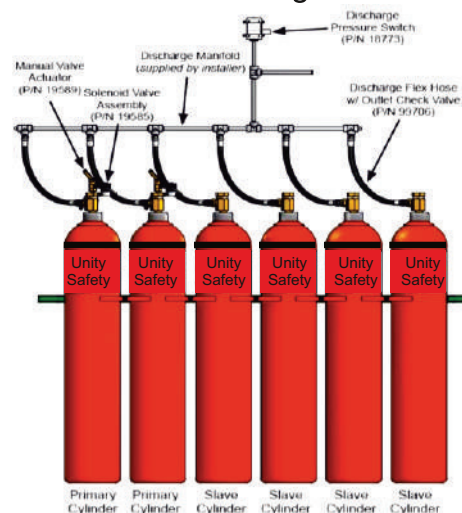


CO₂ FLOODING SYSTEM

CO₂ is a colourless gas with a density about 60% higher than that of dry air, considered as best extinguishing gas. It suppress oxygen by eliminating heat, CO₂ is most effective as a fire extinguishing agent. NFPA- 12 Rules and BIS 6382 Codes for design of such system are used as standard for CO₂ Extinguishing or flooding system. CO₂ gas generally stored in high pressure seamless steel cylinders in liquid form with maximum filling ratio of 0.667 Kg/Ltr of cylinder volume. In order to the fire hazard CO₂ cylinders Quantity varies. On large hazards where several cylinders are required a manifold is used to connect each other by means of flexible hose and check valve. The cylinder's master valve is electronically operated and the slave valve is pressure actuated. The master valve can be automatically or manually operated. Flow rate of CO₂ is controlled.

APPLICATION:

Most ideal for protecting paint and varnish manufacturing process area. For LT panels, control rooms (Power Plant), Powder coating and paint booths, transformers and sub stations, rolling mills and turbines, false floors and cable shafts, etc. SAFE PRO Carbon Dioxide Fire Protection System offers a unique high pressure that minimizes the potential loss of lives and properties by acting in lowering the fire temperature and reducing oxygen level below reigniting point. CO₂ Cylinders are made of seamless steel and available in various capacities. Cylinders, combined with other system parts provide a comprehensive system suitable for total flooding and local application scenarios.



POWDER

Dry chemical powders are important fire fighting agents. The main advantage is practically immediate success of extinguishing a fire. Furthermore one can use dry powders for extinguishing large scale fires, spillage fires and three dimensional fires.

- > ISI Marked
- > 1 year warranty
- > Safe for use on live electrical equipment
- > Squeeze grip operation
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



MODEL	SPF- 6ABC CT	SPF- 9ABC CT	SPF- 4ABC HQ	SPF- 6ABC HQ	SPF- 9ABC HQ
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	6	9	4	6	9
FIRE RATING	3A 89B	4A 144B	3A 89B	4A 144B	6A 233B
EXTINGUISHING MEDIUM	POWDER	POWDER	MAP 90%	MAP 90%	MAP 90%
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
DISCHARGE TIME (Sec.)	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 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	CO ₂	CO ₂	NITROGEN	NITROGEN	NITROGEN
CO ₂ CARTRIDGE CAPACITY (grams)	120	200	—	—	—



POWDER TYPE

Stored Pressure, 1kg, 2kg, 4kg, 6kg and 9kg

Powder fire extinguishers are ideal for use on Class A, B and C Fire Risks. The **UNITY SAFETY** Powder fire extinguishers are available in 1kg, 2kg, 4kg, 6kg and 9kg standard versions

- > ISI Marked
- > 1 year warranty
- > Safe for use on live electrical equipment
- > Squeeze grip operation
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



MODEL	SPF -1ABC	SPF -2ABC	SPF -4ABC	SPF -6ABC	SPF -9ABC
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	1	2	4	6	9
FIRE RATING	1A 21B	1A 34B	2A 55B	3A 89B	4A 144B
EXTINGUISHING MEDIUM	POWDER	POWDER	POWDER	POWDER	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
DISCHARGE TIME (Sec.)	MORE THAN 08 Sec.	MORE THAN 08 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 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



CARBON DIOXIDE Portable Type

Carbon Dioxide fire extinguishers are ideal for use on Class B Fire Risks. The **UNITY SAFETY** carbon dioxide fire extinguishers are available in 2kg, 3kg, and 4.5kg standard Version.

- > ISI Marked
- > 1 year warranty
- > Safe for use on live electrical equipment
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



IS:15683:2018



CML : 2927672

MODEL	SPF-2CO ₂	SPF -3CO ₂	SPF -4.5CO ₂
CYLINDER MATERIAL	Mn	Mn	Mn
CAPACITY (KG)	2	3	4.5
FIRE RATING	21B	34B	55B
EXTINGUISHING MEDIUM	CO ₂ Gas IS 15222	CO ₂ Gas IS 15222	CO ₂ Gas IS 15222
TEMPERATURE RANGE	-30°c to + 60°c	-30°c to + 60°c	-30°c to + 60°c
DISCHARGE TIME (Sec.)	MORE THAN 08 Sec.	MORE THAN 08 Sec.	MORE THAN 08 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 01 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.
TEST PRESSURE	250 BAR	250 BAR	250 BAR



3 Kg

4.5 Kg



TYPE 'B' FOR USE ON PETROL,
OIL, PAINTS, SPIRIT, CHEMICALS ETC.



TYPE 'C' FOR USE ON COOKING &
WELDING GAS, ELECTRICAL FIRE ETC.



LIVE ELECTRICAL
EQUIPMENTS

DCP POWDER TYPE

Stored Pressure & Cartridge type 4kg, 6kg and 9kg

DCP Powder fire extinguishers are ideal for use on Class, B and C Fire Risks. The **UNITY SAFETY** Powder fire extinguishers are available in 4kg, 6kg and 9kg standard versions. This model is designed to extinguish 'B' and 'C' type fires involving material like Petro Chemical products, Paints, Resins, Pigment, Varnish, Gases in the compressed form like Oxygen, Acetylene, LPG, & CNG.

- > ISI Marked
- > 1 year warranty
- > Safe for use on live electrical equipment
- > Squeeze grip operation
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



MODEL	SPF -6BC	SPF -9BC	SPF -4CTBC	SPF -6CTBC	SPF -9CTBC
CYLINDER MATERIAL	M.S.	M.S.	M.S.	M.S.	M.S.
CAPACITY (KG)	6	9	4	6	9
FIRE RATING	89B	233B	55B	89B	144B
EXTINGUISHING MEDIUM	As Per IS 4308	As Per IS 4308	As Per IS 4308	As Per IS 4308	As Per IS 4308
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
DISCHARGE TIME (Sec.)	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.	MORE THAN 13 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.	MORE THAN 02 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	CO ₂	CO ₂	CO ₂
Co ₂ CARTRIDGE CAPACITY (grams)	—	—	120	120	200



WATER TYPE

Water Fire Extinguishers are ideal for extinguishing Class A Fires. The UNITY SAFETY Water Fire Extinguishers are perfect for use in a range of applications including offices and warehouses and the extinguishent is just pure water making the fire extinguishers extremely Environmentally friendly and quick and simple to discharge test.

- > ISI Marked
- > 1 year warranty
- > Easy to read pressure gauge
- > High quality corrosion resistant finish
- > Supplied complete with wall mounting bracket
- > Full range of spare parts available



MODEL	SPF-9W	SPF-9WCT
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	9	9
FIRE RATING	3A	3A
EXTINGUISHING MEDIUM	WATER	WATER
TEMPERATURE RANGE	+5°C to + 60°C	+5°C to + 60°C
DISCHARGE TIME (Sec.)	MORE THAN 13 Sec.	MORE THAN 13 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	CO ₂
Co2 CARTRIDGE CAPACITY (grams)	—	60



9 Ltr.



9 Ltr.



TYPE 'A' FOR USE ON PAPER, WOOD, CLOTH, PLASTICS ETC.

FOAM TYPE

Foam fire extinguishers are ideal for use on Class A and B Fire Risks. The UNITY SAFETY Foam fire extinguishers are available in 6ltr and 9ltr standard models.

- > ISI Marked
- > 1 year warranty
- > Squeeze grip operation
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



IS:15683:2018



CML/L : 2927672

MODEL	SPF-9MF	SPF-9MFCT
CYLINDER MATERIAL	M.S.	M.S.
CAPACITY (Ltr.)	9	9
FIRE RATING	4A :144B	4A :144B
EXTINGUISHING MEDIUM	AFFF FOAM IS 4989	AFFF FOAM IS 4989
TEMPERATURE RANGE	+5°C to + 60°C	+5°C to + 60°C
DISCHARGE TIME (Sec.)	MORE THAN 13 Sec.	MORE THAN 13 Sec.
DISCHARGE RANGE (Meters)	MORE THAN 02 Mtrs.	MORE THAN 02 Mtrs.
OPERATING PRESSURE	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR
EXPELLANT	NITROGEN	CO ₂
Co2 CARTRIDGE CAPACITY (grams)	—	60



9 Ltr.





CLEAN AGENT TYPE

Stored Pressure 2 kg, 4 kg & 6 kg Fire Extinguishers

Safe to use on all your sensitive equipment, the Clean Agent Extinguisher brings you the added benefit of being the world's most advanced, and by far the most eco-friendly extinguisher Clean Agent Extinguishers leave no residue, packed in mega power and are absolutely safe for use on any sensitive electronic equipment.

- > 1 year warranty
- > Squeeze grip operation
- > Fully refillable
- > Controlled discharge
- > Supplied with wall bracket
- > Full range of spare parts are available



IS:15683:2018



CM/L : 2927672

MODEL	SPF-2CA	SPF-4CA	SPF-6CA
CAPACITY	2KGS	4KGS	6KGS
FIRE RATING	1 A : 21 B	2 A : 34 B	2 A : 55 B
OPERATING TEMPERATURE	-30°C to + 60°C	-30°C to + 60°C	-30°C to + 60°C
MIN. JET LENGTH (IN MTRS)	More than 2 Mtrs.	More than 2 Mtrs.	More than 2 Mtrs.
DISCHARGE PERCENTAGE	90%	90%	90%
DISCHARGE TIME (Sec.)	More than 8 Sec.	More than 13 Sec.	More than 13 Sec.
CHARGE PRESSURE	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR
OPERATING VALVES	SQUEEZE GRIP TYPE	SQUEEZE GRIP TYPE	SQUEEZE GRIP TYPE
EXTINGUISHER MEDIA	CLEAN AGENT	CLEAN AGENT	CLEAN AGENT



9 Kg

6 Kg





WET CHEMICAL (K-CLASS) TYPE

UNITY SAFETY Kitchen Fire Extinguisher offers an distinctive unique feature by reacting chemically with cooking oil or fats (Saponification) & forms a non-combustible layer on surface, thereby provides a very fast flame knock down & complete securement of grease related fires. High reactivity of chemicals, reduces fire intensity of oil immediately and also it does not produce any hazardous by-products due to fire or reaction with burning oil. Ease of post fire clean up. Totally non-corrosive product.

AVAILABLE IN VARIOUS CAPACITIES AND VARIANTS :
STAINLESS STEEL CYLINDERS AND STANDARD MILD STEEL CYLINDERS

- > Squeeze grip operation
-
- > Fully refillable
-
- > Controlled discharge
-
- > Supplied with wall bracket
-
- > Full range of spare parts are available



MODEL	SPF-2K	SPF-4K	SPF-6K	SPF-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	15 BAR	15 BAR	15 BAR	15 BAR
TEST PRESSURE	35 BAR	35 BAR	35 BAR	35 BAR
EXPELLANT	NITROGEN	NITROGEN	NITROGEN	NITROGEN



6 Ltr.

9 Ltr.





AUTOMATIC CEILING MOUNTED FIRE EXTINGUISHERS

Automatic fire extinguishers are ideal for use in unoccupied rooms or areas and can be used to provide fire safety protection in an enclosed space.

- > Available with ABC Powder, Water and Clean Agent gas Extinguishers.
- > Supplied complete with temperature activation bulb (68°C) which activates the fire extinguisher when the temperature is reached.
- > Wide range of uses including unattended areas, storage rooms, server rooms, engine compartments.

MODEL	SPF-M02	SPF-M05	SPF-M10	SPF-M15
CAPACITY	2 KG	5 KG	10 KG	15 KG
DESIGN	Ceilling mounted	Ceilling mounted	Ceilling mounted	Ceilling mounted
AVERAGE DISCHARGE TIME	4-5 sec	6-8 sec	10-15 sec	15-20 sec
HANGING HEIGHT ABOVE RISK	1.5 Mtr	1.5 to 2 Mtr	1.75 to 2.25 Mtr	2 to 3 Mtr
AERA PROTECTION	1 to 1.5 m ²	2 to 2.5 m ²	4 to 5 m ²	5 to 6 m ²
VOLUME PROTECTION	2.5 m ³	6 m ³	10 m ³	15 m ³
AVERAGE % DISCHARGE	99%	99%	99%	99%
OPERATING TEMPERATURE	68°C	68°C	68°C	68°C
SERVICE / TEST PRESSURE	15 / 35 BAR	15 / 35 BAR	15 / 35 BAR	15 / 35 BAR
EXPELLING AGENT	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent	Nitrogen / Clean Agent



DRY CHEMICAL POWDER BC TYPE

UNITY SAFETY fire wheeled extinguishers are available in BC Powder and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	25 kg Outside Cartridge type	25 kg Inside Cartridge type	50 kg Outside Cartridge type	75 kg Outside Cartridge type
TYPE	Wheeled DCP BC type	Wheeled DCP BC type	Wheeled DCP BC type	Wheeled DCP BC type
IS NO.	IS 16018	IS 16018	IS 16018	IS 16018
FIRE RATING	233B	233B	233B	233B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
MIN. JET LENGTH (IN MTRS)	More Than 6 Mtrs.	More Than 6 Mtrs.	More Than 6 Mtrs.	More Than 6 Mtrs.
DISCHARGE PERCENTAGE	85%	85%	85%	85%
DISCHARGE TIME	More Than 30 sec.	More Than 30 sec.	More Than 30 sec.	More Than 30 sec.
CHARGE PRESSURE	1.8Mpa	1.8Mpa	1.8Mpa	1.8Mpa
TEST PRESSURE	3.0 Mpa	3.0 Mpa	3.0 Mpa	3.0 Mpa
EXTINGUISHER MEDIA	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308	Dry powder As per IS 4308
EXPELLANT	CO ₂	CO ₂	CO ₂	CO ₂
LENGTH OF HOSE PIPE	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.



CARBON DIOXIDE TYPE (CO₂)

UNITY SAFETY fire wheeled extinguishers are available in CO₂ versions and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. SAFE PRO wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	6.5 kg	9 kg	22.5 kg
TYPE	Wheel type CO ₂	Wheel type CO ₂	Wheel type CO ₂
IS NO.	IS 16018	IS 16018	IS 16018
FIRE RATING	55B	55B	89B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
MIN. JET LENGTH (IN MTRS)	More than 2 Mtrs.	More than 2 Mtrs.	More than 2 Mtrs.
DISCHARGE PERCENTAGE	95%	95%	95%
DISCHARGE TIME	More than 15 Sec.	More than 15 Sec.	More than 15 Sec.
OPERATING VALVE	Wheel type	Wheel type	Wheel type
TEST PRESSURE	25 Mpa	25 Mpa	25 Mpa
EXTINGUISHER MEDIA	Co2 Gas as per IS 15222	Co2 Gas as per IS 15222	Co2 Gas as per IS 15222
EXPELLANT	CO ₂	CO ₂	CO ₂
LENGTH OF HOSE PIPE	2 Mtrs.	2 Mtrs.	2 Mtrs.



DRY CHEMICAL POWDER ABC TYPE

UNITY SAFETY fire wheeled extinguishers are available in ABC Powder and offer exceptional value for money as well as the high quality that you would expect from SAFE PRO fire fighting products. UNITY SAFETY wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	25 kg Outside Cartridge type	25 kg Inside Cartridge type	50 kg Outside Cartridge type	75 kg Outside Cartridge type
TYPE	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type	Wheeled DCP ABC type
IS NO.	IS 16018	IS 16018	IS 16018	IS 16018
FIRE RATING	20A 233B	20A 233B	20A 233B	20A 233B
OPERATING TEMPERATURE	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C	-30° C TO +55° C
MIN. JET LENGTH (IN MTRS)	More Than 6 Mtrs.	More Than 6 Mtrs.	More Than 6 Mtrs.	More Than 6 Mtrs.
DISCHARGE PERCENTAGE	85%	85%	85%	85%
DISCHARGE TIME	More Than 30 sec.	More Than 30 sec.	More Than 30 sec.	More Than 30 sec.
CHARGE PRESSURE	1.8Mpa	1.8Mpa	1.8Mpa	1.8Mpa
TEST PRESSURE	3.0 Mpa	3.0 Mpa	3.0 Mpa	3.0 Mpa
EXTINGUISHER MEDIA	Dry powder As per IS 14609	Dry powder As per IS 14609	Dry powder As per IS 14609	Dry powder As per IS 14609
EXPELLANT	CO ₂	CO ₂	CO ₂	CO ₂
LENGTH OF HOSE PIPE	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.



DRY CHEMICAL POWDER BC TYPE

UNITY SAFETY wheeled extinguishers are available in Foam / Water based versions and offer exceptional value for money as well as the high quality that you would expect from **UNITY SAFETY** fire fighting products. **UNITY SAFETY** wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	MECHANICAL FOAM	WATER
	45 liter	45 liter
TYPE	Foam based	Water based
IS NO.	IS 16018	IS 16018
FIRE RATING	20A 233B	20A
OPERATING TEMPERATURE	+5° C TO +55° C	+5° C TO +55° C
MIN. JET LENGTH (IN MTRS)	More than 6 Mtrs.	More than 6 Mtrs.
DISCHARGE PERCENTAGE	95%	95%
DISCHARGE TIME	More than 30 Sec.	More than 30 Sec.
OPERATING PRESSURE	1.8Mpa	1.8Mpa
TEST PRESSURE	3.0 Mpa	3.0 Mpa
EXTINGUISHER MEDIA	AFFF Foam As per IS 4989	Water
EXPELLANT	CO ₂	CO ₂
EXPELLANT CAPACITY	300 gms	300 gms
LENGTH OF HOSE PIPE	4 mtrs.	4 mtrs.



45 Ltr.

45 Ltr.





SWINGING TYPE WALL MOUNTED FIRST AID HOSE REEL DRUM

TECHNICAL SPECIFICATION

Conforming to : IS: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 Kgf/cm²
 Range & Water Flow rate test at 7Kgf / cm²
 (A) Discharge : 24 LPM
 (B) Range (Jet Length) : 6 Mtr (Min)
 Halogram : Sticker Stuck On Wheel

HUB SIDES & WALL BRACKET	M.S. SHEET OF IS : 513
SWIVEL JOINT	LBT - 2 OF IS : 318
PIPE WITH FITTING	STEEL OF IS : 1239 PART 1
NOZZLE	IS : 8090
HOSE REEL TUBING	THERMOPLASTIC HOSE CONFIRMING TO IS : 12585 RUBBER HOSE CONFIRMING TO IS : 444



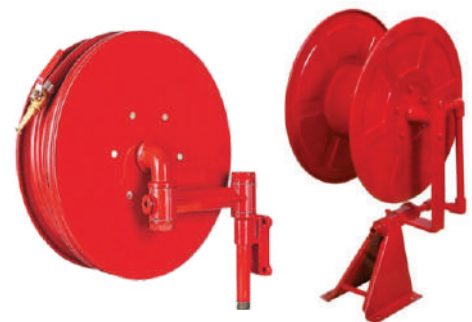
SHORT BRANCH PIPE WITH NOZZLE

TECHNICAL SPECIFICATION

Size of Branch Pipe : 63 mm
 Size of Nozzles : 6mm, 12 mm, 15 mm, 20 mm and 25mm
 Material : Gun metal / Stainless / Aluminium Alloy
 Conforming Specification : IS 903:1993

PERFORMANCE TEST

Hydraulic Test : Tested at 21 Kgf / cm²
 Working Pressure : 7kgf / cm²
 Finish : Natural Polished
 Halogram : Sticker Stuck on Nozzle



MALAYSIAN TYPE

ISI TYPE

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINUM
BODY, ASSEMBLY	STAINLESS STEEL IS : 3444	LTB 2 IS : 318	IS 617
RUBBER WASHER	IS : 937 (TYPE-B)	IS : 937 (TYPE-B)	IS : 937 (TYPE-B)

OBLIQUE TYPE LANDING VALVE

(Type"A") ISI Marked

TECHNICAL SPECIFICATION

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

PERFORMANCE TEST

Hydraulic Test : 21 Kg/cm²
Water Tightness Test : 15 Kg/cm²
Flow Test : 900 LPM at 7 Kg/cm²

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINUM
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)



Gun Metal

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

DOUBLE OUTLET LANDING VALVE

(Type"B") ISI Marked

TECHNICAL SPECIFICATION

Size : 63 mm
Inlet :100 mm NB Flanged
Outlet : Female Instantaneous
Material : Gun Metal / Stainless Steel
Comforming Specification : IS : 5290 : 1993

PERFORMANCE TEST

Hydraulic Test : 21 Kg/cm²
Water Tightness Test : 14 Kg/cm²
Flow Test : 1800 LPM at 7 Kg/cm²

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



Stainless Steel

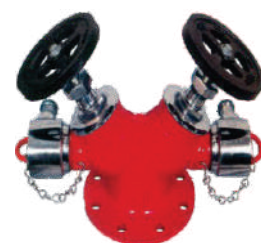


Aluminum

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



Gun Metal



Stainless Steel



INSTANTANEOUS MALE / FEMALE TYPE COUPLING

TECHNICAL SPECIFICATION

Size : 63 mm
Material : Stainless Steel / Gun Metal / Aluminum Alloy
Conforming Specification : IS 9003 : 1993

PERFORMANCE TEST

Hydraulic Test : Tested at 21 Kg / cm²
Finish : Natural Polished
Hologram : Sticker Stuck on Coupling.

TYPE OF MATERIAL	STAINLESS STEEL	GUN METAL	ALUMINUM
BODY, ASSEMBLY	STAINLESS STEEL IS : 3444	LTB 2 IS : 318	IS 617
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

AUTOMATIC SPRINKLER



TEMPERATURE RATING	155° F / 68° C
GLASS BULB COLOUR	RED
THREAD SIZE	NPT 1/2" (15 mm dia)
MAX. SERVICE PRESSURE	175 PSI
GLASS BULB DIAMETERS (MM)	05

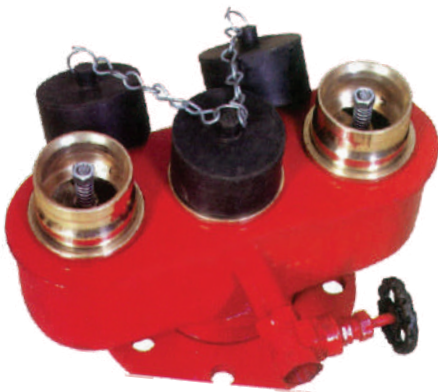


INLET FBC / BREECHING



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



3 Way Inlet FBC Breeching

Model	4 Way Inlet FBC Breeching
Size	63 mm Dia
Material	Gun Metal / S.S & Cast iron Body
Testing	Hydraulic Test : 21Kgf/cm ²



4 Way Inlet FBC Breeching

Model	3 Way Inlet FBC Breeching
Size	63 mm Dia
Material	Gun Metal / S.S & Cast iron Body
Testing	Hydraulic Test : 21Kgf/cm ²



COOL CP HOSE

Controlled Percolating Hose

Hose : Conforming to IS : 8423/1994,

Application : This hose used for water delivery purpose in fire-Fighting irrigation & floor washing etc.

Jacket : Circular woven jacket made from a special synthetic yarn.

Rubber Lining : An ultra thin layer of rubber lining with suitable rubber compound which ensure controlled percolation.

Standard Lengthh : 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs.

End Connection : As per customer requirements

FEATURES

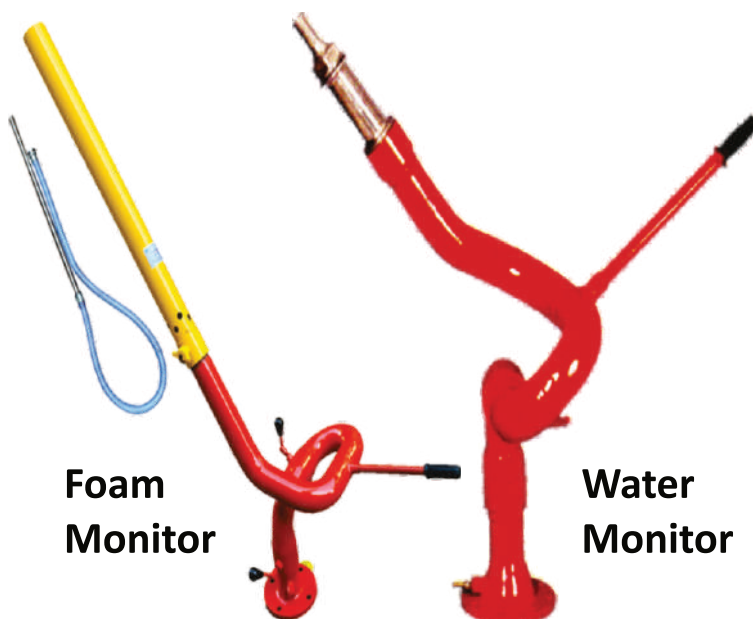
Compact, Flexible & Light weight, Low friction loss, Abrasion resistant, Ability to withstand high operating & back pressure.



DIAMETER MM	BURSTING PRESSURE KCF/CM	TEST PROOF PRESSURE KCF/CM	COIL DIAMETER (30 MTR) CM
38	35.7	21.4	44-45
63	35.7	21.4	44-45

STAND POST TYPE WATER AND FOAM MONITOR

DESIGN & CONSTRUCTION	AS PER IS : 8442
MATERIAL	SEAMLESS MILD STEEL TUBES
SIZE OF MONITOR	63 MM
SIZE OF INLET FLANGE	80 MM
DISCHARGE CAPACITY	1750 LPM
HORIZONTAL THROW	50-55 METERS
ROTATION	360°
ELEVATION	58° TO 30°
JOINT	SWIVEL TYPE (GUN-METAL)
JET SPRAY NOZZLE	GUN METAL OR ALUMINIUM
OPERATIVE PRESSURE	7 BAR
LEAKAGE PRESSURE	TO WITHSTAND PRESSURE OF 23 BAR



Foam Monitor

Water Monitor



RRL HOSE PIPE

FEATURES

Compact, Flexible & Light weight, Abrasion Resistant, Ability to withstand high operating & back Pressure.

Conforming to IS : 636/1988

Application : This RRL Hose used for water delivery purpose in Fire-Fighting & Civil Engineering Applications etc.

Jacket : Circular woven jacket made from a special blend of cotton & synthetic yarn with high abrasion and heat resistance. Jacket is also treated with suitable rat proofing agent.



RRL HOSE PIPE TYPE B



RRL HOSE PIPE TYPE A

Rubber Lining : A rubber inner lining with suitable rubber compound which gives flexibility, durability & better resistance.

Standard Length : 15 Mtrs & 30 Mtrs.

UNITY SAFETY TWIN TROLLEY

The system consists of 2 nos of 6.5 Kg CO₂ cylinders and 1 nos of 2 Kg Dry Chemical Powder Fire Extinguisher mounted firmly on a trolley duly interconnected using a manifold for unified discharge mechanism, equipped with high pressure reinforced hose and a special applicator horn nozzle for ease of handling. Ideal for flammable liquids, High Electrical hazard, and difficult to reach type of fire such as Transformer stations, Air force stations and to any other to places where it is normally not possible for firemen to reach in case of any such incidents.

IS No.	16018
Fire Rating	55B / (89B for 22.5kg)
Operating Temperature	-30 to +55 degree Celsius
Min. Jet Length (in mtrs)	2 Mtrs.
Discharge Percentage Min.	95%
Discharge Time.	more than 15 Seconds
Test Pressure	250 Kgf / cm ²
Operating Valves	Wheel Type
Extinguisher Media	CO ₂ Gas IS: 15222
Expellant	Self (CO ₂)
Cylinder	Seamless IS: 7285
Painting	Enamel Paint IS:5





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