



UNIVERSAL
SAFETY SYSTEM

Engineering Works



GREETING FROM MANAS FIRE & SECURITY SERVICES

Universal Safety System 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 Universal Safety System 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, commitment & 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.



Values :

- Safety for Anything and Everything
- Flexibility
- Consistency
- Reliability
- Integrity and Ethics

Area of Application :

- Pharmaceutical Sector
- Govt. Sector
- Industrial Sector
- Banks
- Commercial Malls
- Defence Sector
- Residential Apartments
- Transportation Sector
- Warehouses
- High - Rise Buildings



WATER TYPE FIRE EXTINGUISHERS

Water Fire Extinguishers are ideal for extinguishing Class A Fires. Water Fire Extinguishers are **Universal Safety System** perfect for use in range of applications including offices and ware houses and the extinguishment is just pure ware making the fire extinguishers extremely Environmentally friendly quick and simple to discharge test.

Water Cartridge Type



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

MODEL	KSS - 6 WCT	KSS - 9 WCT
Cylinder Material	M.S.	M.S.
Capacity (Ltr.)	6	9
Fire Rating	3A	4A
Temperature Range	+5°C to 55°C	+5°C to 55°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	Co2	Co2
Co2 Cartridge Capacity (grams)	60	60

Water Stored Pressure Type



MODEL	KSS - 6 W	KSS - 9 W
Cylinder Material	M.S.	M.S.
Capacity (Ltr.)	6	9
Fire Rating	3A	4A
Temperature Range	+5°C to 55°C	+5°C to 55°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	Nitrogen
Co2 Cartridge Capacity (grams)	—	—

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

ABC POWER STORED PRESSURE 1KG, 2 KG, 4 KG, 6 KG, AND 9 KG

Powder Fire Extinguishers are ideal for use on Class A, B and C Fire Risks. Power Fire **Universal Safety System** Extinguishers are available in 1kg, 2kg, 4kg, 6kg and 9kg standard versions.

Power Stored Pressure

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



MODEL	KSS - 1 ABC	KSS - 2 ABC
Cylinder Material	M.S.	M.S.
Capacity (KG)	1	2
Fire Rating	1A 8B	1A 13B
Temperature Range	-20°C to +55°C	-20°C to +55°C
Discharge Time (Sec.)	More Than 8 sec.	More Than 8 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	Nitrogen



MODEL	KSS - 4 ABC	KSS - 6 ABC
Cylinder Material	M.S.	M.S.
Capacity (KG)	4	6
Fire Rating	2A 21B	3A 34B
Temperature Range	-20°C to +55°C	-20°C to +55°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	Nitrogen

MODEL	KSS - 9 ABC
Cylinder Material	M.S.
Capacity (KG)	9
Fire Rating	4A 55B
Temperature Range	-20°C to +55°C
Discharge Time (Sec.)	13 sec. More Than
Discharge Range (Meters)	02 Mtrs. More Than
Operating Pressure	15 Bar Max
Test Pressure	35 Bar
Expellant	Nitrogen



BC STORED PRESSURE & CARTRIDGE TYPE

DCP Powder Stored Pressure & Cartridge Type 4kg, 6kg and 9kg

DCP Power Fire Extinguishers are ideal for use on Class B and C Fires Risks. **Universal Safety System** DCP Power Fire Extinguishers are available in 4kg, 6kg and 9kg standard versions. This model is designed to extinguish 'B' and 'C' type fire 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

BC Cartridge Type



BC Stored Pressure Type



MODEL	KSS - 4 BC	KSS - 6 BC	KSS - 9 BC	KSS - 4 CTBC	KSS - 6 CTBC	KSS - 9 CTBC
Cylinder Material	M.S.	M.S.	M.S.	M.S.	M.S.	M.S.
Capacity(KG)	4	6	9	4	6	9
Fire Rating	34B	55B	89B	34B	55B	89B
Extinguishing Medium	All as per IS 4308	All as per IS 4308	All as per IS 4308	All as per IS 4308	All as per IS 4308	All as per IS 4308
Temperature Range	-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	-20°C to +55°C
Discharge Time (Sec.)	More Than 13sec.	More Than 13sec.	More Than 13sec.	More Than 13sec.	More Than 13sec.	More Than 13sec.
Discharge Range (Meters)	More Than 02Mtrs.	More Than 02Mtrs.	More Than 02Mtrs.	More Than 02Mtrs.	More Than 02Mtrs.	More Than 02Mtrs.
Operating Pressure	15 Bar	15 Bar	15 Bar	15 Bar	15 Bar	15 Bar
Test Pressure	35 Bar	35 Bar	35 Bar	35 Bar	35 Bar	35 Bar
Expellant	Nitrogen	Nitrogen	Nitrogen	Co2	Co2	Co2
Co2 Cartridge Capacity (grams)	—	—	—	120	120	200

45

Years Experience

1000's

of Satisfied Customers

24

HOUR Emergency Callout

CARBON DIOXIDE PORTABLE CO2 TYPE FIRE EXTINGUISHERS

Carbon Dioxide Fire Extinguishers are ideal for use on Class B Fire Risks. **Universal Safety System** Carbon Dioxide Fire Extinguishers are available in 2kg, 3kg and 4.5kg standard versions.

- 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



MODEL	KSS - 2 Co2	KSS - 3 Co2	KSS - 4.5 CO2
Cylinder Material	Mn	Mn	Mn
Capacity (KG)	2	3	4.5
Fire Rating	8B	13B	21B
Extinguishing Medium	Co2 Gas IS 15222	Co2 Gas IS 15222	Co2 Gas IS 15222
Temperature Range	-20°C to + 55°C	-20°C to + 55°C	-20°C to + 55°C
Discharge Time (Sec.)	More Than 08 sec.	More Than 8 sec.	More Than 8 sec.
Discharge Range (Meters)	More Than 01 Mtrs.	More Than 02 Mtrs.	More Than 02 Mtrs.
Test Pressure	250 Bar Max	250 Bar Max	250 Bar Max

MECHANICAL FOAM TYPE FIRE EXTINGUISHERS

Foam Fire Extinguishers are ideal for use on Class A and B Fire Risks. **MANAS FIRE & SECURITY SERVICES** Foam Fire Extinguishers are available in 6 Ltr. and 9 Ltr. standard models.

Foam- Stored Pressure Type

- ISI Marked
- 1 year warranty
- Squeeze grip operation
- Fully Refillable
- Controlled Discharge
- Supplied with wall bracket
- Full Range of spare parts are available



MODEL	KSS - 6 MF	KSS - 9 MF
Cylinder Material	M.S.	M.S.
Capacity (lLtr.)	6	9
Fire Rating	3A, 34B	4A, 55B
Extinguishing Medium	Afff foam IS 4989	Afff foam IS 4989
Temperature Range	+5°C to + 55°C	+5°C to + 55°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	NITROGEN
Co2 Cartridge Capacity (grams)	—	—

MECHANICAL FOAM TYPE FIRE EXTINGUISHERS

Foam – Cartridge Type



MODEL	KSS - 6 MFCT	KSS - 9 MFCT
Cylinder Material	M.S.	M.S.
Capacity (lLtr.)	6	9
Fire Rating	3A, 34B	4A, 55B
Extinguishing Medium	Afff foam IS 4989	Afff foam IS 4989
Temperature Range	+5°C to + 55°C	+5°C to + 55°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	Co2	Co2
Co2 Cartridge Capacity (grams)	60	60

AUTOMATIC ROOF UNIT (MODULAR) TYPE 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, Foam and Clean Agent gas Extinguishers
- Supplied complete with temperature activation bulb (68 C) which activated the fire extinguisher when the temperature is reached.
- Wide range of uses including unattended areas, storage rooms, server rooms, engine compartments.



MODEL	KSS - Mo2	KSS - Mo5	KSS - M10	KSS - M15
Capacity (KG)	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.
Area 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°	68°	68°	68°
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 ABC TYPE WHEELED FIRE EXTINGUISHERS

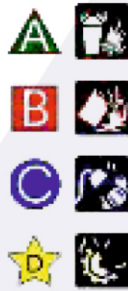
Universal Safety System

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 Universal Safety System

fire fighting products.

Universal Safety System

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	20 A 233B	20 A 233B	20 A 233B	20 A 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	Co2	Co2	Co2	Co2
Length of Hose Pipe	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.

DRY CHEMICAL POWDER BC TYPE WHEELED FIRE EXTINGUISHERS

Universal Safety System 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 **Universal Safety System** fire fighting products. **Universal Safety System** wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



DRY CHEMICAL POWDER BC TYPE WHEELED FIRE EXTINGUISHERS

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	Co2	Co2	Co2	Co2
Length of Hose Pipe	2 mtrs.	2 mtrs.	4 mtrs.	4 mtrs.

CARBON DIOXIDE TYPE (CO2) WHEELED FIRE EXTINGUISHERS

Universal Safety System

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 **Universal Safety System** fire fighting products.

Universal Safety System wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.

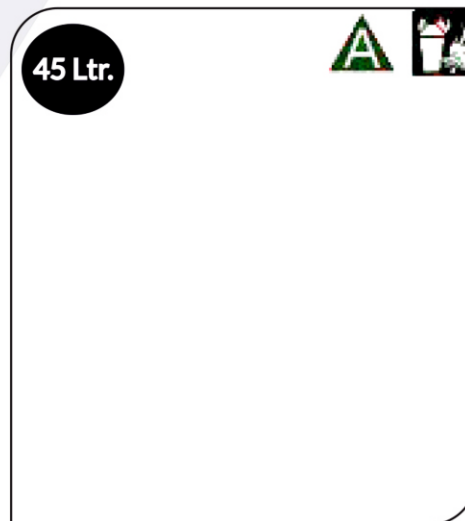


CAPACITY	6.5 kg	9 kg	22.5 kg
Type	Wheel Type Co2	Wheel Type Co2	Wheel Type Co2
IS NO.	IS 16018	IS 16018	IS 16018
Fire Rating	55B	55B	89B
Operating Temperature	-30°C to + 55°C	-30°C to + 55°C	-30°C to + 55°C
Min. Jet Length (In Mtrs.)	More Than 2 Mtrs.	More Than 2 Mtrs.	More Than 2 Mtrs.
Discharge Percentage	95 %	95 %	95 %
Discharge Time	More Than 15 sec.	More Than 15 sec.	More Than 15 sec.
Operating Value	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	Co2	Co2	Co2
Length of Hose Pipe	2 Mtrs.	2 Mtrs.	4 Mtrs.

FOAM / WATER BASED WHEELED TYPE FIRE EXTINGUISHERS

Universal Safety System fire 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 **Universal Safety System** fire fighting products.

Universal Safety System wheeled extinguishers are ideal for use in a wide range of commercial and industrial applications.



CAPACITY	MECHANICAL FOAM 45 LITER	WATER 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	1.8 Mpa	1.8 Mpa
Test Pressure	3.0 Mpa	3.0 Mpa
Extinguisher Media	AFFF Foam As per IS 4989	Water
Expellant	Co2	Co2
Expellant Capacity	200 gms	200 gms
Length of Hose Pipe	4 Mtrs.	4 Mtrs.

WET CHEMICAL (K- CLASS) KITCHEN FIRE EXTINGUISHERS

Stored Pressure 2ltr, 4ltr, 6ltr & 9 ltr fire extinguishers Wet chemical fire extinguishers with Class K fire risks & are designed for use against kitchen & fat fires. A unique feature of the **Universal Safety System** wet chemical fire extinguishers is that the extinguishers can be operated from a distance of approximately 2-4 meters away reducing danger to the fire extinguishers operator.

- Squeeze grip operation
- Fully Refillable
- Controlled Discharge
- Supplied with wall bracket
- Full Range of spare parts are available



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

CLEAN AGENT TYPE FIRE EXTINGUISHERS

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 fa 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



MODEL	KSS - 2CA	KSS - 4CA	KSS - 6CA
Capacity	2 KGS	4 KGS	6 KGS
Fire Rating	1 A : 8 B	2 A : 21 B	3 A : 34 B
Operating Temperature	-20°C to + 55°C	-20°C to + 55°C	-20°C to + 55°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 Values	Squeeze Grip Type	Squeeze Grip Type	Squeeze Grip Type
Extinguisher Media	Clean Agent	Clean Agent	Clean Agent

FIRE DETECTION & SUPPRESSION SYSTEM (FDSS)

Automatic Fire Suppression System For Vehicle

Fire Detection with Automatically and Manually Operated Fire Suppression System. Fire Detection and Suppression System. As per AIS 135.

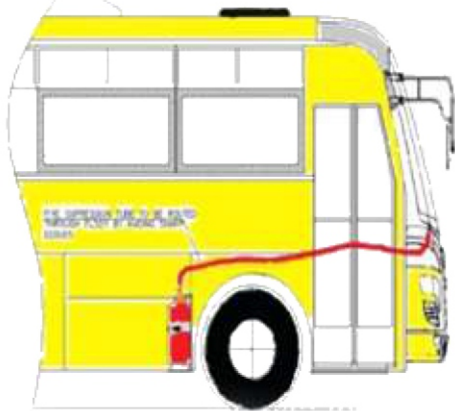
Includes:

- Fire detectors
- Fire indicator & control panel
- Manual actuation mechanism
- Fire alarm & visual indicator
- Fire extinguishing agent container
- 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 on board passengers.

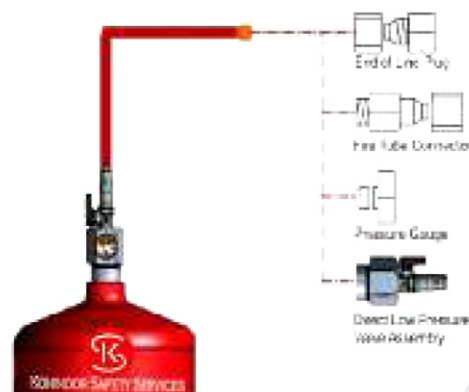
Benefits of the system:

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



AUTOMATIC FIRE SUPPRESSION 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.



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



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)

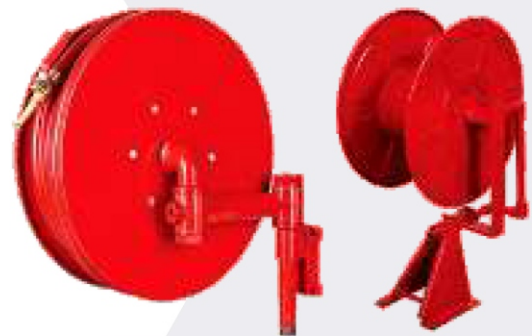
SWINGING TYPE WALL MOUNTED FIRST AID HOSE REEL DRUM

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 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

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
- Conforming Specification : IS : 5290 : 1993

Performance Test

- Hydraulic Test : 21 Kgf /cm²
- Water Tightness Test : 14 kgf / cm²
- Flow Test : 1800 LPM at 7kgf / cm²



Gun Metal

Stainless Steel

Type of Material	Gun Metal	Stainless Steel
Body, Assembly	LTB 2 IS : 318	Stainless Steel IS : 3444
Valve Spindle	Brass Rod IS : 319/ 320	Stainless Steel IS : 6603
Cast Iron Wheel	IS : 210	IS : 210
Rubber Washer	IS : 937 (Type - A)	IS : 937 (Type - A)
Spring	Phosphorus Wire IS : 7608	Stainless Steel IS : 6528
Gland Packing Asbestos Thread	IS : 4687 (Type - 3)	IS : 4687 (Type - 3)

OBLIQUE TYPE 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 Kgf /cm²
- Water Tightness Test : 15 kgf / cm²
- Flow Test : 900 LPM at 7kgf / cm²



Type of Material	Stainless Steel	Gun Metal	Gun Metal
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)

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)	O5



Side Wall Type

Pendent Type

Upright Type

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 Kgf /cm²
- Finish : Natural Polished
- Halogram : Sticker Stuck on Coupling.



Stainless Steel

Gum Metel

Aluminum

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

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 Length : 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 resistance 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
50	35.7	21.4	44- 45
63	35.7	21.4	44- 45

RRL HOSE

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.

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

Standard Length : 15 Mtrs. & 30 Mtrs.



RRL Hose Type A



RRL Hose Type B

INLET FBC / BREECHING



2 Way Inlet FBC Breeching



3 Way Inlet FBC Breeching



4 Way Inlet FBC Breeching

Model	2 Way Inlet FBC Breeching	3 Way Inlet FBC Breeching	4 Way Inlet FBC Breeching
Size	63 mm Dia	63 mm Dia	63 mm Dia
Material	Gun Metal / SS & Cast Iron Body	Gun Metal / SS & Cast Iron Body	Gun Metal / SS & Cast Iron Body
Testing	Hydraulic Test : 21Kgf / cm2	Hydraulic Test : 21Kgf / cm2	Hydraulic Test : 21Kgf / cm2

FIRE ALARM SYSTEM / SIGNAGE



FIRE ALARM PANEL



ABS HOOTER



RESPONSE INDICATOR



SMOKE DETECTOR



HEAT DETECTOR



MCP PUSH
BUTTON TYPE



HOOTER
CUM FLASHER



MS HOOTER



MCP BREAK
GLASS WITH CHAIN

SINGLE & DOUBLE HOSE BOX M.S. S.S. F.R.P. FIRE HYDRANT ACCESSORIES



M.S.



KEY BOX



F.R.P.



FLEXIBLE SPRINKLER HOSE FITTING



DOUBLE DOOR HOSE BOX



S.S.



CABINET BOX



FIRE BUCKET
WITH STAND

FIRE HYDRANT ACCESSORIES



Inlet FBC Breeching Cap



FB - 10 X



FB - 5 X



Multi Purpose Nozzle



Fog Nozzle



Tripple Purpose Nozzle



Revolving Nozzle



Shut Off Nozzle



Gun Metal Air Release Valve



Fire Man Axe



Fire Hook



Gun Metal Adapter



Sprinkle MV Spray Nozzle



Fire Blanket



Fire Bucket

FIRE HYDRANT SYSTEM

*Fire Protection
Consultancy
in Planning Stage
For Architects &
Builders*

***Liaise**
with Fire Depts.
to obtain
the Provisional &
Final Fire NOCs.*

*Fire Fighting
System Designing
As per NBC Norms,
Erection, Testing,
Commissioning & proper
Handing over with
Training*

***Fire
Extinguisher**
Supply
Maintenance
AMC*

***Supply**
of
Fire Fighting
Equipments*

*Fire Fighting
Training to Employes
/ Security Personnel
Systems Operational
Training*

***Fire Fighting
Systems
Survey**
Maintenance
Issue of Form 'B'*

***Fire
Protection**
for High Rise
Buildings*

- Fire Audit
- Fire Alarm, Detection and Fire Suppression System
- NOVEC : 1230
- Fire Suppression System
- FM : 200 Fire Suppression System
- Co2 Fire Suppression System
- Kitchen Fire Suppression System
- Fire Hydrant Systems
- Wet Riser / Down Comer
- Courtyard Fire Hydrant
- Sprinkler System
- Detection System

- System
- Material Supply
- Erection
- Testing
- Commissioning
- Training & Periodic Maintenance
- Fire Protection / Prevention
- Survey
- Issue of Six monthly Certificated to comply the provisions of the Fire Act.

KEEP YOUR FIRE FIGHTING SYSTEMS/ EQUIPMENT/ EXTINGUISHERS ALWAYS WELL MAINTAINED IN GOOD WORKING CONDITION.

FIRE PREVENTION & LIFE SAFETY MEASURES ACT 2016

Statutory Requirement System Testing & Certificate issued by a Licensed Agency to be furnish to the **Chief Fire Officer - Jan./ July Every Year.**

CERTIFICATIONS



Ministry of Micro, Small and Medium Enterprises,
Government of India

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम

FIRE SAFETY SIGNAGE



OUR VALUABLE CORPORATE CLIENTS

- Kashimira Ceramic – Hiraco Developers Phase-I
- Kashimira Ceramic – Hiraco Developers Phase-II
- Golden Nest School – Bhayander-East, Thane
- Bright School – Miraroad, Thane
- Arihant Developers – Miraroad, Thane
- Shiv-Kunj, Chembur, Mumbai
- Santosh Apartment – Malad, Mumbai
- Om Raj Vaibhav – Bhayander, Thane
- Mahadev Height – Bhayander, Thane
- S.N College – Bhayander, Thane
- Shivam Height – Miraroad, Thane
- Lines – Miraroad, Thane
- Salasar Ashirvad, Mira Road, Thane

And many more are nearing to completion.....



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