



SAVY SAFETY



Your Safety is Our Responsibility



SAVY SAFETY SOLUTIONS



SAVY SAFETY SOLUTIONS IS A ONE OF THE LEADING FIRE SAFETY EQUIPMENTS SUPPLIER IN THE MARKET. WE PROVIDE MULTIPLE BRANDS OF FIRE SAFETY EQUIPMENTS TO PROVIDE CORRECT SAFETY SOLUTION TO THE VALUABLE CUSTOMERS. SAVINGS LIVES WITH QUALITY PRODUCTS IS KEEPS US GOING

FROM HOSPITALS TO SCHOOLS, SHOWROOMS, MANUFACTURING UNITS, EVERYWHERE WE ARE SAFEGUARDING THE PREMISES WITH OUR UNIQUE RANGE OF FIRE SAFETY EQUIPMENTS.

WE HAVE A WIDE RANGE OF FIRE SAFETY EQUIPMENTS WHICH WILL SURELY SUITS TO THE CLIENTS REQUIREMENT.



WE ARE INTO COMPLETE RANGE OF FIRE SAFETY EQUIPMENTS STARTING FROM PORTABLE FIRE EXTINGUISHERS TO TOTAL FLOODING SYSTEMS.



POWDER CARTRIDGE PRESSURE FIRE EXTINGUISHERS

SAVY SAFETY SOLUTIONS Dry Powder fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are suitable for tackling fires involving freely burning materials, petrol & oils, gas & electrical equipment. Powder extinguishers contain high performance powder to achieve the best Fire Rating.

Ideal Use: Homes, office, Buildings warehouses, Farms and Woodworking area etc.



Class A



Class B



Class C



Electrical

FEATURES

- ◆ MAP Mono Ammonium Phosphate dry chemical powder capable of fighting against class A, B, C & Electrically started fires.
- ◆ BIS Approved and ISI marked
- ◆ Hydraulically tested as per standard and passed through anti-corrosive treatment
- ◆ Unique Gauge Testing System
- ◆ Controllable discharge
- ◆ Easy to maintain, recharge & service
- ◆ Large loop Stainless steel Pull pin
- ◆ Conforms to IS standards

PERFORMANCE DATA

Capacity	1 kg		4 kg	6 kg	9 kg
Design	Nozzle	Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating (MAP 50%)	1A : 21B	2A : 34B	3A : 89B	4A : 144B	6A : 183B
Fire Rating (MAP 90%)	1A : 34B	3A : 55B	4A : 144B	4A : 183B	6A : 233B
Fire Rating (BC Powder)	—	—	144B*	183B	233B
Height (Approx.)	325 mm	380 mm	490 mm	530 mm	575 mm
Diameter (Approx.)	86 ± 5 mm	106 ± 5 mm	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	9 Sec	14 Sec	18 Sec	24 Sec	31 Sec
Average Range of throw	2 m	2.5 m	3 m	5 m	6 m
Average % Discharge	94%	95%	94%	94%	94%
Operating Temperature	-30 °C to +60 °C				
Service/Max. service/Test Pressure	15 / 18 / 35 bar				
Expelling Agent	Nitrogen (UHP Grade)				
Empty Weight (Approx.)	1.2 kg	1.7 kg	3.1 kg	3.6 kg	4.9 kg
Full Weight (Approx.)	2.2 kg	3.7 kg	7.1 kg	9.6 kg	13.9 kg
Shipping Weight (Approx.)	2.5 kg	4.1 kg	7.5 kg	10.0 kg	14.5 kg
Mounting Bracket	Vehicle/Wall bracket			Wall BracketBIS	
ApprovalsBIS		BIS			

POWDER CARTRIDGE PRESSURE FIRE EXTINGUISHERS

SAVY SAFETY SOLUTIONS Dry Powder fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are suitable for tackling fires involving freely burning materials, petrol & oils, gas & electrical equipment. They are ideal for vehicle & marine risks. Powder extinguishers contain high performance powder to achieve high Fire Rating.

Ideal Use: Homes, office, Buildings warehouses, Farms and Wood working area etc.



Class B



Class C



Electrical

FEATURES

- ◆ Dry Chemical powder capable of fighting against class B, C & Electrically started fires
- ◆ MAP Mono Ammonium Phosphate dry chemical powder capable of fighting against class A, B, C & Electrically started fires
- ◆ BIS Approved and ISI marked
- ◆ Hydraulically tested as per standard and passed through anti-corrosive treatment
- ◆ Controllable discharge
- ◆ Easy & more economical to maintain & service
- ◆ Rechargeable and easy to service
- ◆ Large loop Stainless steel pull Pin
- ◆ Conforms to IS standards

PERFORMANCE DATA

MODEL (BC POWDER)

	4 kg	6 kg	9 kg
Capacity	4 kg	6 kg	9 kg
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating (SBC / PBC)	183B	183B	233B
Fire Rating (MAP-50%)	3A : 89B	4A : 144B	6A : 183B
Fire Rating (MAP-90%)	4A : 144B	6A : 183B	6A : 233B
Height (Approx)	510 mm	540 mm	585 mm
Diameter (Approx)	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	18 Sec	24 Sec	31 Sec
Average Range of throw	3 m	5 m	6 m
Average % Discharge	94%	94%	94%
Operating Temperature	-30 °C to +60 °C		
Service/Max. service/Test Pressure	15 / 18 / 35 bar		
Expelling Agent	CO2 Gas		
CO2 Gas Cartridge	120 gm	120 gm	200 gm
Empty Weight (Approx.)	4.0 kg	4.3 kg	6.3 kg
Full Weight (Approx.)	8.0 kg	10.3 kg	15.3 kg
Shipping Weight (Approx.)	8.3 kg	10.6 kg	15.8 kg
Packing Standard	2 in 1- 21"X6.75"X14.10"	2 in 1- 22.5"X6.75"X14.10"	2 in 1- 24.75"X15.3"X8"
Mounting Bracket	Wall Bracket		
Approval	BIS		



MONNEX/ UREA COMPLEX POWDER FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS STORED PRESSURE & CARTRIDGE PRESSURE type Monnex / Potassium bi carbonate urea complex Dry Powder fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are suitable for tackling fires involving petrol, oils, gas & electrical equipment. Powder extinguishers contain high performance powder to achieve high Fire Rating.

FIRE RATINGS

BS EN Rating² kg

Stored Pressure	4 kg	144B*
	6 kg	183B*
	9 kg	233B*
Cartridge Pressure	4 kg	183B
	6 kg	233B
	9 kg	233B*

Ideal Use: Oil refineries, Petrol stations, Natural gas plant etc.



Class B













Class C



Electrical

FEATURES

-  Monnex (Density 0.6 gm/ml) / Potassium Bi carbonate Urea complex powder (Density 0.5 - 0.7 gm/ml) is the most trusted high performance dry chemical powder for high risk firefighting applications.
-  Products are designed to achieve the best Fire Ratings Refer the above table
-  Unique Gauge Testing System (UGTS) mechanism in case of Stored pressure type fire extinguisher
-  CO2 cartridge confirms to IS:4947 for cartridge type fire extinguisher
-  CE marked, brass chrome plated valve with Controllable discharge mechanism and Large loop Stainless steel Pull pin
-  EPDM Rubber braided hose is far more flexible than the PVC braided hoses and also far less prone to cracks
-  Internally Epoxy Polyester (EP) and Externally Pure Polyester (PP) powder coated (UV Resistant)
-  Hydraulically tested as per standard requirements
-  Helium Leak Detection tested for leakage, in case of stored pressure type fire extinguisher leak rate up to 1x10 mbar.l/sec.
-  Easy to maintain, recharge & service

PERFORMANCE DATA

TYPE	STORED PRESSURE				CARTRIDGE PRESSURE		
	2 kg / 1 kg	4 kg / 2 kg	6 kg / 4 kg	9 kg / 6 kg	4 kg / 2 kg	6 kg / 4 kg	9 kg / 6 kg
Capacity / Filled Powder							
Design	Nozzle	Hose & Nozzle			Hose & Nozzle		
Fire Rating	144B	183B	233B	233B*	183B	183B	233B
Height (Approx)	380 mm	490 mm	530 mm	575 mm	510 mm	540 mm	585 mm
Diameter (Approx)	106 ± 5 mm	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	10 Sec	16 Sec	21 Sec	26 Sec	16 Sec	21 Sec	26 Sec
Average Range of throw	3 m	5 m	6 m	6 m	5 m	6 m	6 m
Average % Discharge	92%	92%	93%	93%	92%	93%	93%
Operating Temperature	-30 °C to +60 °C				-30 °C to +60 °C		
Service / Max. service / Test Pr.	15 / 18 / 35 bar				15 / 18 / 35 bar		
Expelling Agent	Nitrogen				CO2 Gas		
CO2 cartridge Capacity	—	—	—	—	120 gm	200 gm	200 gm
Empty Weight (Approx.)	1.7 kg	3.1 kg	3.6 kg	4.9 kg	3.8 kg	5.1 kg	6.9 kg
Full Weight (Approx.)	2.7 kg	5.1 kg	7.6 kg	10.9 kg	5.8 kg	9.1 kg	12.9 kg
Shipping Weight (Approx.)	3.1 kg	5.5 kg	8.0 kg	11.4 kg	7.2 kg	9.5 kg	13.4 kg
Mounting Bracket	Wall Bracket				Wall Bracket		
Approvals	CE				BIS & CE		



CLEAN AGENT STORED PRESSURE EXTINGUISHER

SAVY SAFETY CLEAN AGENT STORED PRESSURE Fire Extinguishers are environmentally safe and ideal for protecting delicate electronic equipment as the clean agent leaves no residue and also intended for the protection of facilities, typically the areas that contain sensitive or irreplaceable equipment or collection which could be damaged or destroyed by water, foam, dry chemical or CO₂.

Ideal Use: Computers, Phone, Switch gears, Sensitive data storage, Offices, Boats, Aircrafts, Laboratories etc

FIRE RATINGS

Capacity	BIS Rating	BS EN Rating
4 kg	1A:21B 2A:34B	21B* 5A:21B*
6 kg	2A:55B	8A:34B*



Class A



Class B











Class C



Electrical

**Chemours (Formerly known as DuPont)
FE 36 Clean Agent Approvals**

FEATURES

-  UL Listed and FM Approved FE 36 (HFC 236fa) gas is compliant with ASTM-D6541-11 also approved by US EPA (Environmental Protection Agency), Listing under USA Signification New Alternative Policy (SNAP)
-  products are designed to achieve the best Fire Ratings Refer the table above
-  Unique Gauge Testing System (UGTS) mechanism
-  CE marked, brass chrome plated valve with Controlled discharge mechanism and Large loop Stainless steel Pull pin EPDM Rubber braided hose is far more flexible than the PVC braided hoses and also far less prone to cracks
-  Internally Epoxy Polyester (EP) and Externally Pure Polyester (PP) powder coated (UV Resistant)
-  Hydraulically tested as per standard requirements
-  Anti-corrosive treatment: Semi Automatic Seven tank Hot dipping Phosphate treatment Process
-  Easy to maintain, recharge & service

Properties of FE 36 Clean Agent

Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane

Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml.
Specific gravity	1.37 gm/cc.

PERFORMANCE DATA

Capacity	2 kg	4 kg	6 kg
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating	1A : 21B	2A : 34B	2A : 55B
Height (Approx.)	410 mm	490 mm	530 mm
Diameter (Approx.)	106 ± 5 mm	140 ± 5 mm	150 ± 5 mm
Average Discharge time	9 Sec	14 Sec	22 Sec
Average Range of throw	3 m	3.5 m	4 m
Average % Discharge	96%	96%	96%
Operating Temperature	-30 °C to +60 °C		
Service/Max. service/Test Pressure	10 / 12 / 35 bar		
Expelling Agent	Nitrogen (UHP Grade)		
Empty Weight (Approx.)	2.1 kg	3.1 kg	3.6 kg
Full Weight (Approx.)	4.1 kg	7.1 kg	9.6 kg
Shipping Weight (Approx.)	4.5 kg	7.5 kg	10.1 kg
Packing Standard	Inner-13.75"X4.75"X4.75" Outer (4 in 1)- 16.5"X10"X10"	2 in 1- 21"X6.75"X14.10"	2 in 1- 22.5"X6.75"X14.10"
Mounting Bracket	Vehicle/Wall bracket	Wall Bracket	
Approvals	BIS (RQ Series) / BIS & CE (HQ Series)		



FOAM & WATER TYPE STORED PRESSURE FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS STORED PRESSURE Foam and Water fire extinguisher are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture.

Note: Mechanical Foam & water extinguishers are not suitable for fires involving electrical risk.

Ideal Use: Plywood companies (WATER), Petrol Stations (FOAM), Restaurants, etc.

Water Type Suitable for Class A Fire Risk

Foam Type Suitable for Class B Fire Risk



Class A



Class B

FEATURES

- AFFF (Aqueous Film Forming Foam) fights against Class A and Class B fires
- Water type extinguisher effectively works on class A fires
- BIS Approved and ISI marked
- High quality Pure Polyester (PP) powder coating (UV Resistant)
- Air aspirated nozzle to provide high fire rating in case of Foam extinguisher
- Unique Gauge Testing System (UGTS) mechanism
- Hydraulically tested as per standard and passed through anti-corrosive treatment
- Easy to maintain, recharge & service
- Large loop Stainless steel Pull pin
- Conforms to IS standards

PERFORMANCE DATA

MODEL	FOAM		WATER	
	6 Ltr	9 Ltr	6 Ltr	9 Ltr
Capacity	6 Ltr	9 Ltr	6 Ltr	9 Ltr
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating	3A : 89B*	4A : 144B	2A*	3A
Height (Approx.)	530 mm	575 mm	530 mm	575 mm
Diameter (Approx.)	150 ± 5 mm	180 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	22 Sec	35 Sec	22 Sec	35 Sec
Average Range of throw	6 m	6 m	5 m	6 m
Average % Discharge	96%	97%	96%	97%
Operating Temperature	+5 °C to +60 °C			
Service/Max. service/Test Pressure	15 / 18 / 35 bar			
Expelling Agent	Nitrogen (UHP Grade)			
Empty Weight (Approx.)	3.6 kg	4.9 kg	3.6 kg	4.9 kg
Full Weight (Approx.)	9.6 kg	13.9 kg	9.6 kg	13.9 kg
Shipping Weight (Approx.)	10 kg	14.4 kg	10 kg	14.4 kg
Mounting Bracket	Wall Bracket—			
Approvals		BIS	—	BIS



CO₂ PORTABLE FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS CO₂ Portable fire extinguishers are characterized by their high performance for fires involving an electrical risk like computers, office equipment and generators etc. CO₂ is non-conductive, clean and safe, ensuring minimal damage to electrical equipment and furnishings.

Suitable for Class B, Class C & Electrical fire risks

Ideal Use: Chemical Manufacturing Plant, Oil Ring, Rail Yards, Warehouses, Construction sites, Parking garages, Airport, Electrical substation and Large laboratories.



Class B



Class C



Electrical

FEATURES

- Carbon Di Oxide is Colorless, Odorless, Non Toxic and provides rapid knockdown of industrial
- BIS Approved and ISI marked
- PESO! CCOE Approved cylinder body and confirms to IS:7285
- High grade Enamel Painted externally with PO Red finish
- Wheel operated Controllable discharge
- High pressure Brass valve confirms to IS:3224 which is provided with pressure relief disc
- Rechargeable and easy to service
- Non conductive agent for electrical use without risk to operator
- CO₂ gas disappears quickly leaving no residue
- Swivel horn for 2 & 3 kg with no freeze burn, with greater directional control of CO₂ discharge through horn rotation feature
- Conforms to IS standards

PERFORMANCE DATA

Capacity	2 kg	3 kg	4.5 kg
Design	Bend Pipe & Horn	Bend Pipe & Horn	Hose & Horn
Fire Rating	21B	34B	55B
Height (Approx)	580 mm	545 mm	700 mm
Diameter (Approx)	108 ± 5 mm	140 ± 5 mm	140 ± 5 mm
Average Discharge time	9 Sec	11 Sec	12 Sec
Average Range of throw	2 m	2 m	2 m
Average % Discharge	98%	98%	98%
Operating Temperature	-30 °C to +60 °C		
Service/Max. service/Test Pressure	60 / 105 / 250 bar		
Empty Weight (Approx.)	6.9 or 6.2 kg	9.5 or 8.4 kg	12.5 or 11.9 kg
Full Weight (Approx.)	8.9 or 8.2 kg	12.5 or 11.4 kg	17 or 16.4 kg
Shipping Weight (Approx.)	9 or 8.3 kg	12.8 or 11.7 kg	17.4 or 16.8 kg
Mounting Bracket	Wall Bracket		
Approval	BIS & PESO		

F CLASS STORED PRESSURE FIRE EXTINGUISHER WITH SS BODY

Class F Fires most often occur where cooking media such as cooking oils, greases and animal fats are used.

Kitchen Fire extinguishers are designed to put out such kind of Fire safely and effectively in residential and commercial kitchens.

It works on the principle of saponification. The alkaline mixture of wet chemical while applied on burning oil, create a soapy foam layer on the surface. Which holds vapour and steam inside and extinguishes the fire.

Ideal Use: Big Kitchens, Restaurants etc.



FIRE RATINGS

Capacity	BS EN Rating
3 Ltr	15F*
6 Ltr	5A : 25F*
9 Ltr	8A : 40F*



Class A



Class F

FEATURES

-  Wet chemical (Mixture of potassium acetate, potassium citrate or potassium carbonate) capable of fighting against Class A and F fires
-  Discharge Nozzle is made up of Stainless steel and design allows a broad, dispersed discharge of agent that delivers a high volume, low velocity delivery of wet chemical which does not cause the cooking oil to splash
-  Unique Gauge Testing System (UGTS) Mechanism
-  CE marked, brass chrome plated valve with Controllable discharge mechanism and Large loop Stainless steel Pull pin
-  Hydraulically tested as per standard requirements
-  Smooth Finish stainless steel body to give aesthetic impression
-  Helium Leak Detection tested for leakage, leak rate up to 1x10
-  Easy to maintain, recharge & service

PERFORMANCE DATA

Capacity	2 Ltr	3 Ltr	6 Ltr	9 Ltr
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating	5F*	5A : 25F*	8A : 40F*	8A : 40F*
Height (Approx.)	440 mm	500 mm	550 mm	610 mm
Diameter (Approx.)	110 ± 5 mm	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	10 Sec	12 Sec	20 Sec	30 Sec
Average % Discharge	95%	95%	96%	96%
Operating Temperature	+5 °C to +60 °C			
Service/Max. service/Test Pressure	10 / 12 / 35 bar			
Expelling Agent	Nitrogen (UHP Grade)			
Empty Weight (Approx.)	1.5 kg	2.5 kg	2.8 kg	3.6 kg
Full Weight (Approx.)	3.5 kg	5.5 kg	8.8 kg	12.6 kg
Shipping Weight (Approx.)	3.9 kg	5.9 kg	9.2 kg	13.1 kg
Packing Standard	2 in 1 - 22.5"X6.75"X14.10"	2 in 1 - 22.5"X6.75"X14.10"	2 in 1 - 21"X6.75"X14.10"	1 in 1 - 24.75"X8"X8"
Mounting Bracket	Wall Bracket CE			
Approvals	CE			



POWDER TROLLEY MOUNTED FIRE EXTINGUISHERS

SAVY SAFETY SOLUTIONS TROLLEY MOUNTED DRY POWDER fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knockdown capability. They are suitable for tackling fires involving freely burning materials, petrol & oils, gas & electrical equipment. Powder extinguishers contain high performance powder to achieve high Fire Rating.

Ideal Use: Buildings, warehouses, Farms, oil refineries and Wood working area etc.



Class A



Class B



Class C



Electrical

FEATURES

- SBC / PBC based Dry Chemical powder capable of fighting against class B, C & Electrically started fires
- MAP Mono Ammonium Phosphate dry chemical powder capable of fighting against class A, B, C & Electrically started fires BIS Approved and ISI marked
- Hydraulically tested as per standard and passed through anti-corrosive treatment
- External CO₂ gas cylinder (PESO Approved)
- High quality Pure Polyester (PP) powder coating (UV Resistant)
- Controllable discharge
- Brass forged cap with auto safety release mechanism at 21 kg/cm²
- Easy & more economical to refill, maintain & service
- PVC Braided hose with SS protection spring of 300mm to avoid kink and shut off nozzle
- Conforms to IS Standard

PERFORMANCE DATA

Capacity	25 kg	50 kg	75 kg	150 kg
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating (MAP Powder)	20A : 233B	20A : 233B	20A : 233B	—
Fire Rating (BC Powder)	233B	233B	233B	—
Height (Approx)	980 mm	1020 mm	1030 mm	1320 mm
Diameter (Approx)	300 ± 10 mm	400 ± 10 mm	400 ± 10 mm	480 ± 10 mm
Average Discharge time	25-30 Sec	40-50 Sec	50-60 Sec	70-80 Sec
Average Range of throw	6 m	8 m	10 m	12 m
Average % Discharge	91%	90%	90%	91%
Operating Temperature	-30 °C to +55 °C			
Service / Max Service / Test Pr.	14 / 17 / 35 bar			
Expelling Agent	CO Gas: 1 kg			
CO ₂ Gas Capacity		2 kg	2 kg	4.5 kg
Empty Weight (Approx.)	59 kg	70 kg	75 kg	110 kg
Full Weight (Approx.)	84 kg	120 kg	150 kg	260 kg
Shipping Weight (Approx.)	85 kg	121 kg	151 kg	262 kg
Approval	BIS			—

D TYPE METAL FIRE EXTINGUISHERS

SAVY SAFETY SOLUTIONS MADE CLASS D Fire Extinguishers are designed to tackle flammable metal fires because ordinary Dry Chemical Powders are not suitable for fighting metal fires or even water & foam type too, as metals react violently with water & foam.

Ideal Use: Flammable metal manufacturing company, light metals like Li, Na, K, Mg, Al etc.



Class D

FEATURES

PRINCIPLE OF OPERATION

D type Fire Extinguishers contains a blended Sodium Chloride based dry powder. Heat from the fire causes it to cake and form a crust excluding air and dissipating heat from burning metal.

Metal fires involving magnesium, sodium, potassium and sodium-potassium alloys can be successfully extinguished with Sodium Chloride based extinguishers.

And Lithium, zirconium, uranium, titanium, and powdered aluminum fires can be controlled and extinguished with unique Special extinguisher with extinguishing agent as Ternary Eutectic Chloride (TEC).

FEATURES

The specially designed applicator is particularly suited for fighting Class D fires. The design is such a way that the operator can stand away from extreme heat and toxic fumes. Other features are non dispersing agent and easily controlled.

EPDM Rubber braided Discharge hoses for long life.

Applicability of TEC & SODIUM CHLORIDE POWDERS

SODIUM CHLORIDE

- ✓ Sodium Chloride works well for metal fires involving magnesium, sodium (spills and in depth) potassium alloys, uranium, powdered Aluminum etc.
- ✓ For lithium and its alloys it cannot work

TEC PO

- ✓ TEC works for all type of Metals including Lithium and its alloys too.
- ✓ The unique composition of ternary eutectic chloride of alkali metals gives fast & effective fire knock down capability, which cannot be matched by ordinary mixtures of chloride salts or phosphate base powders.

PERFORMANCE DATA

Capacity	4 kg	6 kg	9 kg	25 kg	50 kg	75 kg
Design	Hose & Applicator			Trolley Mounted, Hose & Applicator		
Height (Approx)	490 mm	530 mm	575 mm	1020 mm	1030 mm	1320 mm
Diameter (Approx)	140 ± 5 mm	150 ± 5 mm	180 ± 5 mm	300 ± 10 mm	400 ± 10 mm	400 ± 10 mm
Average Discharge time	25 Sec	30 Sec	30 Sec	45 Sec	60 Sec	90 Sec
Average % Discharge	85%	85%	85%	85%	85%	85%
Operating Temperature	-30 °C to +55 °C					
Service / Max. Service / Test Pr.	15 / 18 / 35 bar			14 / 17 / 35 bar		
Expelling Agent	Nitrogen (UHP Grade)			Nitrogen Gas with regulator		
N ₂ Cylinder Capacity				3 Ltr	6.8 Ltr	6.8 Ltr
Empty Weight (Approx.)	3.0 kg	3.3 kg	5.0 kg	59 kg	70 kg	75 kg
Full Weight (Approx.)		9.3 kg	14.0 kg	84 kg	120 kg	150 kg
Shipping Weight (Approx.)	7.3 kg	9.6 kg	14.5 kg	85 kg	121 kg	151 kg
Packing Standard	2 in 1- 21"X6.75"X14.10"	2 in 1- 21"X6.75"X14.10"	1 in 1- 24.5"X8.0"X8.0"	Corrugated paper & Jute Bags		
Mounting Bracket	Wall Bracket			—		



CO₂ TYPE TROLLEY MOUNTED FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS CO₂ TROLLEY MOUNTED fire extinguishers are characterized by their high performance for fires involving an electrical risk like computers, office equipment and generators etc. CO₂ is non-conductive, clean and safe, ensuring minimal damage to electrical equipment and furnishings.

Ideal Use: Chemical Manufacturing Plant, Oil Ring, Rail Yards, Warehouses, Construction sites, Parking garages, Airport, Electrical substation and Large laboratories.



Class B



Class C



Electrical

FEATURES

- Carbon Di Oxide is Colorless, Odorless, Non Toxic and provides rapid knockdown of industrial fires.
- BIS Approved and ISI marked
- CCOE/PESO approved cylinder body and confirms to IS:7285
- High grade enamel painted externally with PO Red finish
- Wheel Operated Controlled discharge
- High pressure Brass valve confirms to IS:3224 which provided with pressure relief disc
- Rechargeable and easy to service
- Non conductive agent for electrical use without risk to operator
- CO₂ gas disappears quickly leaving no residue
- Wire Braided Hose & Flat Horn with Diffuser Nozzle for dispersed discharge of Carbon Di Oxide
- Conforms IS standard

PERFORMANCE DATA

Capacity	6.5 kg	9 kg	22.5 kg
Design	Hose & Horn	Hose & Horn	Hose & Horn
Fire Rating	55B	55B	89B
Height (Approx)	960 mm	1250 mm	1155 mm
Diameter (Approx)	140 ± 10 mm	140 ± 10 mm	232 ± 10 mm
Average Discharge time	20 Sec	30 Sec	47 Sec
Average Range of throw	3 m	3 m	4 m
Average % Discharge	96%	96%	96%
Operating Temperature	-30 °C to +55 °C		
Service/Max. service/Test Pressure	60 / 105 / 250 bar		
Empty Weight (Approx.)	16.5 or 18.5 kg	25 or 26 kg	61.5 or 63.5 kg
Full Weight (Approx.)	23 or 25 kg	34 or 36 kg	84 or 86 kg
Shipping Weight (Approx.)	24 or 26 kg	35 or 37 kg	85 or 87 kg
Packing Standard	Corrugated paper & Jute Bags		
Approval	BIS		



FOAM & WATER TROLLEY MOUNTED FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS TROLLEY MOUNTED FOAM AND WATER fire extinguishers are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture.

Note: Mechanical Foam & Water extinguishers are not suitable for fires involving electrical risk.

Ideal Use: Oil Refineries, turbines & chemical industries, boiler rooms, garage forecourt Factories, restaurants, paint shops, tubes & flaps units, petrol bunks, chemical & petroleum bulk storage depots

Water Type Suitable for Class A Fire Risk

Foam Type Suitable for Class A and Class B Fire Risk

Caution :Don't use on Electrical Fire.



Class A



Class B

FEATURES

- Aqueous Film Forming Foam (AFFF) is capable of fighting against Class A and Class B fires.
- Water types are capable of fighting class A fire effectively.
- Spray nozzle to provide high fire rating
- Brass forged cap with auto safety release mechanism at 21 kg/cm²
- Easy to maintain, recharge & service
- Confirms to IS standard

PERFORMANCE DATA

	FOAM				WATER**	
	45 Ltr	60 Ltr	90 / 100 Ltr	135 / 150 Ltr	45 Ltr	60 Ltr
Capacity	45 Ltr	60 Ltr	90 / 100 Ltr	135 / 150 Ltr	45 Ltr	60 Ltr
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating	20A:233B	20A:233B	–	–	–	20A
Height (Approx.)	1000 mm	1200 mm	1020 mm	1320 mm	1000 mm	1200 mm
Diameter (Approx.)	300 ± 10 mm	300 ± 10 mm	480 ± 10 mm	480 ± 10 mm	300 ± 10 mm	300 ± 10 mm
Average Discharge time	Min. 30 Sec	Min. 30 Sec	Min. 30 Sec	Min. 30 Sec	Min. 30 Sec	Min. 30 Sec
Average Range of throw (Min. 6 m)	9 m	9 m	9 m	9 m	9 m	9 m
Average % Discharge	Min. 90%	Min. 90%	Min. 90%	Min. 90%	Min. 90%	Min. 90%
Operating Temperature	+5 °C to +55 °C					
Service/Max. service/Test Pressure	14 / 17 / 35 bar					
Expelling Agent	Carbon Dioxide gas					
CO ₂ gas Cartridge (gm)	300 Grams	300 Grams	–	–	300 Grams	300 Grams
CO ₂ External Cylinder (kg)	–	–	2 kg	2 kg	–	–
Empty Weight (Approx.)	40 kg	48	–	–	40 kg	48 kg
Full Weight (Approx.)	85 kg	108	–	–	85 kg	108 kg
Shipping Weight (Approx.)	90 kg	115	–	–	90 kg	115 kg
Approvals	BIS		–	–	–	BIS



POWDER MODULAR TYPE AUTOMATIC FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS MADE ABC DRY POWDER MODULAR TYPE AUTOMATIC fire extinguishers which keeps guard and extinguishes fire quickly and efficiently.

In the event of a fire, Modular type fire extinguishers activate automatically, spraying the extinguishing agent with maximum force, ensuring that the fire is brought under control rapidly and efficiently.

Ideal Use: Homes, office, Buildings warehouses, Farms and Woodworking area etc.



Class A



Class B



Class C



Electrical

FEATURES

- Hydraulically tested as per standard and passed through anti-corrosive treatment
- Automatic round-the-clock protection
- Automatic operation, hence no human involvement, reducing the chances of injury.
- Proves to be the most economical when compared to other systems
- Non-Freezing & long lasting
- Provides securities in case of emergencies and power failure without power backup
- Rechargeable and easy to service
- Extinguishing medium is Mono Ammonium Phosphate powder

PERFORMANCE DATA

Capacity	2 kg	5 kg	10 kg	15 kg
Design	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted
Height (Approx)	380 mm	375 mm	405 mm	425 mm
Diameter (Approx)	150 ± 10 mm	230 ± 10 mm	300 ± 10 mm	400 ± 10 mm
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	3 m ³	7 m ³	12 m ³	17 m ³
Average % Discharge	99%	99%	99%	99%
Operating Temperature	-30 °C to +60 °C			
Service / Test Pressure	15 / 35 bar			
Expelling Agent	Nitrogen (UHP grade)			
Empty Weight (Approx.)	1.56 kg	2.64 kg	4.11 kg	6.4 kg
Full Weight (Approx.)	3.56 kg	7.64 kg	14.11 kg	21.4 kg
Shipping Weight (Approx.)	3.75 kg	7.8 kg	14.5 kg	22 kg
Mounting Bracket	Ceiling mounting stand			



CLEAN AGENT MODULAR TYPE AUTOMATIC FIRE EXTINGUISHER

SAVY SAFETY SOLUTIONS MADE MODULAR TYPE CLEAN AGENT FE 36 AUTOMATIC FIRE EXTINGUISHERS which keeps guard and extinguishes fire quickly and efficiently.

In the event of fire, Savy Modular type extinguishers activate automatically, spraying the extinguishing agent with maximum force, ensuring that the fire is brought under control rapidly and efficiently.



Class A



Class B








Class C



Electrical

FEATURES

-  FE 36 Gas
-  Unique Gauge Testing System (UGTS) mechanism
-  Internally Epoxy Polyester (EP) and Externally Pure Polyester (PP) powder coated (UV Resistant)
-  Provides security in case of emergencies and power failure without power backup
Automatic and reliable security round the clock
-  Easy to maintain, recharge & service

Ideal Use:

Computers, Telephone, Switch gears, Sensitive data storage, Offices, Boats, Aircraft's, Laboratories etc.

Properties of DuPont FE 36 Clean Agent

Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane

Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml
Specific gravity	1.37 gm/cc
Scheduled Production Phase out per Montreal Protocol	None

PERFORMANCE DATA

Capacity	2 kg	5 kg	10 kg	15 kg
Design	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted
Height (Approx)	380 mm	375 mm	405 mm	425 mm
Diameter (Approx)	150 ± 10 mm	230 ± 10 mm	300 ± 10 mm	400 ± 10 mm
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	-30 °C to +60 °C			
Service / Test Pressure	15 / 35 bar			
Expelling Agent	Nitrogen (UHP grade)			
Empty / Full / Shipping Wt.(Approx)	1.56 / 3.56 / 3.75 kg	2.64 / 7.64 / 7.8 kg	4.11 / 14.11 / 14.5 kg	6.4 / 21.4 / 22 kg
Mounting Bracket	Ceiling mounting stand			
Approvals	CE			

TWIN CO₂ TROLLEY MOUNTED FIRE EXTINGUISHER



WITH APPLICATOR



WITH DISCHARGE HORN

SALIENT FEATURES

SAVY SAFETY supplying an exclusive range of Twin Carbon Dioxide Trolley Mounted Type Fire Extinguisher with Applicator or Discharge horn, in order to satisfy the growing demand of our clients.

The system consists of two nos. of 6.5 kg ! 6.5 KG CO₂ cylinders mounted on a trolley duly interconnected using a manifold.

The discharge mechanism with three stage high pressure applicator models enables to discharge the Carbon-Di-Oxide to places where it is normally not possible for firemen to reach in case of any eventualities, whereas models with discharge horn will be as routine operating mechanism.

WATER MIST CUM COMPRESSED AIR FOAM SYSTEM (CAFS)

SAVY SAFETY Compressed Air Foam Systems are self contained stored-energy fire suppression unit which have added ability to inject compressed air into the foam solution to generate a powerful fire attacking and suppression foam. This type of foam has tighter and denser bubble structure than pure water or standard foam solutions. This bubble structure allows the foam to adhere on vertical and horizontal surfaces as well as penetrate fires deeper before the bubbles are broken down, allowing the latent water to be more effective.



Class A



Class B



Electrical

FEATURES

Easy to operate and highly effective

- Complete atomisation takes place inside the valve head y Low maintenance and high reliability
- For ordinary and professional users y Large area coverage
- Wet & Dry Foam technology for long range & more denser foam structure
- Tested & Passed for electrical conductivity test

Effectiveness: CAFS truly attacks all sides of the fire tetrahedron by smothering the fire with a "foam blanket", thus preventing oxygen from combining with fuel. It diminishes the heat by insulating, using the trapped air within the bubble structure and the bubbles actually reflect radiant heat, thus preventing excess heat from adding to the fire. This prevents additional fuel from reacting with the fire by providing a barrier. Finally, CAFS has been shown to disrupt the chemical reaction required for fire to continue. CAFS is 15 to 30 times more effective than water alone or foam solution.

Ideal Use:

Hospitals , Industries , Power plant , Offshore & Marine etc.

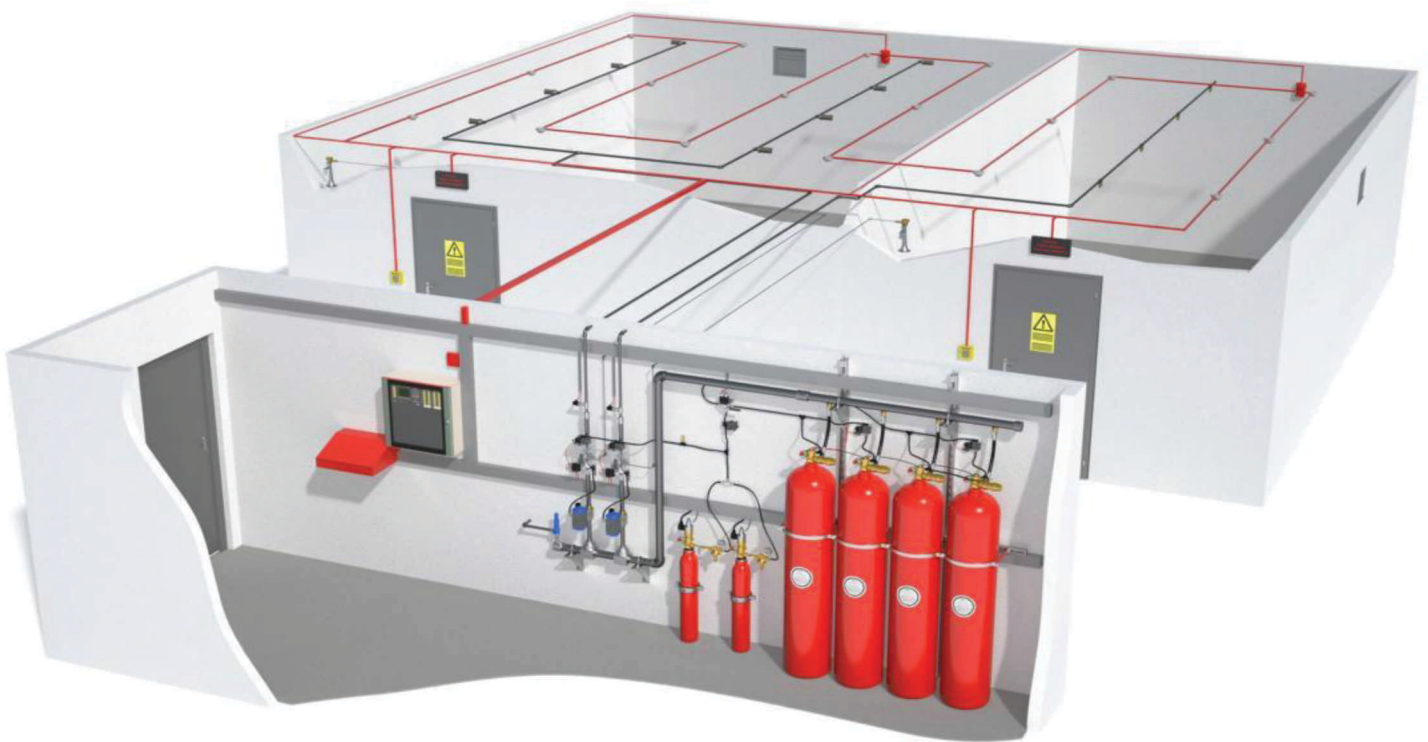
Models

- Back Pack Model
- 50 litre Trolley Mounted
- 100 litre Trolley Mounted

TECHNICAL SPECIFICATION

Capacity	10 Ltr / 9 Ltr	50 Ltr	100 Ltr
Operating Pressure	Up to 15 bar	22 bar Approx	8 bar Approx
Temperature	+5° C to +60° C	+5° C to +60° C	+5° C to +60° C
Flow Rate	11 Ltr/Min (Wet) / 5.4 Ltr/Min (Dry)	13.6 Ltr/Min (Wet) / 7.1 Ltr/Min (Dry)	30 Ltr/Min (Wet) / 20 Ltr/Min (Dry)
Operating Time (Wet/Dry))	55 Sec (Wet) / 115 Sec (Dry)	220 Sec (Wet) / 420 Sec (Dry)	200 Sec (Wet) / 300 Sec (Dry)
Work Range (Wet/Dry)	12 M (Wet) / 8 M (Dry)	13 M (Wet) / 8 M (Dry)	15 M (Wet) / 12 M (Dry)
Size	720 x 300 x 220 mm (H x B x T)	1130 x 570 x 480 mm (H x B x T)	900 x 1000 x 1900 mm (H x B x L)
Weight (Approx)	13 KG Empty / 23 KG Filled	45 KG Empty / 95 KG Filled	100 KG Empty / 200 KG Filled
Fire Rating Performance	27A:233B-IIB / (55A:IIB)**	55A:233B-IVB**	55A : 233B-IVB & Higher*
Electrical Devices	Tested and Passed at 36kV from 1mtr distance in Dry mode		—
Length of hose	2 M	10 M	15 M
Propellant	2l/300 bar Compressed Air (200 bar on request)	6l/300 bar Compressed Air (200 bar on request)	10.2l / 300 bar (2 Nos) & \$)6
Extinguishing Agent	Foam Agent (AFFF)		
Approvals	CE / ERDA / Certified from NABL accredited Lab (AFTRL lab) as per latest EN parameters		—

TOTAL ROOM FLOODING SYSTEM



NOVEC 1230 - 25 Bar UL Approved and FM Certified.

NOVEC 1230 - 42 & 50 Bar VDS Approved.

FM200 (HFC 227ea) - 25 Bar UL Approved and FM Certified.

FM200 (HFC 227ea) - 42 & 50 Bar VDS Approved

- Server rooms and other IT facilities
- Data archival Rooms
- Telecommunications equipment
- Control rooms and control stations
- Instrumentation and control rooms
- Electrical switch rooms
- Switchgear and distribution cabinets

Total Room Gas Flooding systems fight fires using **Novec** 1230, FM 200. This extinguishing agent is particularly suitable for the protection of spaces with electronic and electrical equipment and offers an economical fire protection solution especially for small and medium-sized rooms. The 50-bar technology of the Novec 1230/FM200 system makes optimal use of the characteristics of this extinguishing agent.

- The systems provide an excellent extinguishing effect in rooms with electronic and electrical equipment.
- The Novec 1230 / HFC-227ea extinguishing agent is neither corrosive nor electrically conductive, leaves no residue and can easily be removed from the space in question through ventilation.
- The Novec 1230 / HFC-227ea extinguishing agent is also very suitable for zones that are frequented by people and has a very high environmental compatibility.
- Operating pressures up to 50 bar allow for more extensive pipework and storage of the extinguishing agent outside the protected area.
- Through cost-effective multi-zone systems, a single stock of extinguishing agent is sufficient to cover several zones.
- The Design Manager calculates complex, asymmetrical pipework automatically and delivers optimal solutions - both from a safety-related and an economic perspective. A pipework system installed with NOVEC 1230/FM 200 extinguishing nozzles is installed in the protected space, while the dimension of the pipework, as along with the number and layout of the extinguishing nozzles, is determined by the risk concerned and the specific local conditions. The extinguishing agent is stored in liquid form in special cylinders, where a nitrogen cushion is superimposed over the extinguishing agent and thus generates the operating pressure of 42 or 50 bar.
- To protect smaller rooms, a single cylinder is often sufficient. Multi-cylinder systems are used to protect larger rooms.
- Smoke detectors continuously monitor the extinguishing zone and send a signal to the fire detection and extinguishing control panel in the event of a fire. In the case of single-cylinder systems, the control panel then opens the electrical valve of the extinguishing agent cylinder to release the agent into the pipework. In the case of multi-cylinder systems, the first cylinder is electrically activated and through the nitrogen cushion in this first cylinder, the other cylinders are triggered pneumatically. At the same time the fire detection and extinguishing control panel triggers an audible and visual alarm, whereby persons present will be asked to leave the room.
- At the same time, it transmits a signal to a permanently manned station. After expiry of a predetermined warning time, the extinguishing process starts: The extinguishing agent is carried through the pipework into the extinguishing zone within 10 seconds.

TUBE BASED PANEL SUPPRESSION SYSTEM

SAVY SAFETY Fire Suppression systems use a proprietary continuous linear sensor tube that reliably detects and actuates release of the extinguishing agent using pneumatic technology. It is more flexible, space efficient and cost effective versus alternative mechanical or electronic systems. The revolutionary pneumatic design enables cost-effective protection of individual high-risk areas like electrical and mechanical equipment that were previously not practical to protect.

1. Installation closer to the source

Because the sensor tubing is flexible, it can easily be installed directly inside machines and enclosures – directly among circuitry and mechanics.

When in service, the tubing is pressurized with dry nitrogen under 240 psi / 16 bar of pressure. The dynamics of pressurization make the tubing more reactive to heat.

2. Early fire detection

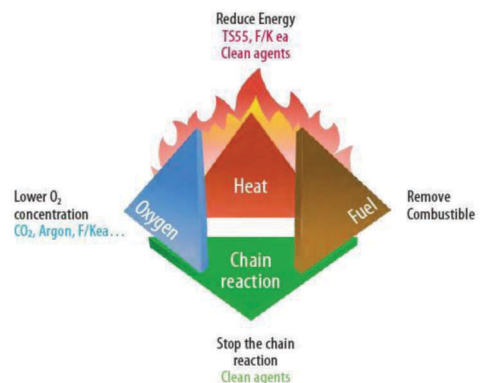
The heat that immediately precedes or accompanies a fire causes the pressurized sensor tube to burst at the hottest spot 100 deg C.

3. Instant Suppression

The sudden tube depressurization actuates the special valve and floods the enclosed area with extinguishing agent. The fire is quickly suppressed just moments after it began ... minimizing damage and repair downtime.

EXTINGUISHING AGENTS

- Novec1230
- HFC227
- Hfc-236
- Co₂
- Dry Chemical (ABC, BC, D)



DIRECT RELEASE SYSTEMS

In Direct release systems the heat sensing tube acts as a detection system and extinguishing media as well. when the tube gets ruptured at certain temperature the extinguishing agent comes out from the cylinder through the heat sensing tube.



INDIRECT RELEASE SYSTEMS

With an Indirect release system, the tubing is used only for detection. When a fire causes the tubing to burst, a valve opens and the suppressant is discharged via a traditional distribution network and fixed nozzles.

Indirect Low Pressure (ILP)



HIGH PRESSURE SYSTEM

This line of product is available in both Direct and Indirect system. It allows for delivery of high pressure suppressant such as Co₂.

SUPPLEMENTAL PROTECTION FOR CRITICAL HIGH-RISK EQUIPMENT:



ELECTRICAL CIRCUITRY

- Electrical Cabinets
- Control Boxes
- Recharging stations
- Switch panels
- Relay stations

MACHINERY

- CNC machines
- Construction machinery
- Agricultural machines

OILS, CHEMICALS AND OPEN FLAME

- Fume Cabinets
- Paint & Chemical storage
- Petroleum storage tanks
- Hydraulic circuits



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