



Powerex

Fire Protection System

(Fire Protection Engineers & Consultant)

PRODUCT
CATALOGUE

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KNOW SAFETY NO FIRE

Powerex Fire Protection System is an independent Company formed in 2010. Our role is to protect the things you value most. The passion behind the name Powerex – extra power to protect against fire is our main focus. Installing and servicing high-quality fire protection and security systems across India, we aim to give all our customers an excellent level of service and provide the best brands at the most reasonable prices. Our team leader Santosh Kumar Yadav has a wealth of knowledge and experience within the fire protection and security industry. As a direct result of their drive and commitment we have a team of highly qualified and reliable technicians, who have in-depth knowledge and are regularly trained to keep up to date with legislation and recommended practices. From fire extinguishers to fire alarm systems, intruder alarms to access control systems, Powerex Fire Protection System has both the wide array of products and the broad base of expertise to meet your varied needs and to deliver total peace of mind.

OUR EXPERTISE

- Established as Leading Suppliers of “ISI Mark” Fire Extinguishers
- Turnkey Project in Fire Fighting System eg. Fire Hydrant System, Automatic, Manual, Microprocessor based Fire Alarm System
- Sprinkler System, Co2, FM200 Flooding System
- Electronic surveillance system (CCTV)
- Attendance recorder System
- Personal Protection Equipment

POWEREX FIRE PROTECTION SYSTEM

Leading Suppliers of “ISI Mark” Fire Extinguishers of high performance Premium Quality ISI approved ABC, CO2, and Mechanical Foam, DCP, Water-CO2 and Trolley mounted type, clean agents Fire Extinguishers

FIRE EXTINGUISHERS

We supply, install and service various range of Fire Extinguishers to commercial and domestic properties including homes, factories, schools, offices and shops..

PERSONAL PROTECTIVE EQUIPMENTS

Safety Helmets, Safety Shoes, Boiler Suits, High visibility Clothing, White Disposable Overalls, Eye Protection, Safety Glasses, Ear Defenders, Protective Gloves, Face Masks, Fall arrest Harnesses.

TRAINING & DEMONSTRATION

We provide training for effective use of fire equipments, Detection & Alarm system



DRY POWDER STORED PRESSURE FIRE EXTINGUISHERS

Store Pressure 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 and electrical equipments. They are ideal for vehicle & marine risks. Dry powder extinguishers contain high performance powder to achieve the best Fire Rating.

IDEAL USE:

Homes, Office, Buildings, Warehouses, Farms and Wood Working Area, etc.

SUITABLE FOR CLASSES OF FIRE:



FEATURES

- MAP Mono Ammonium Phosphate dry chemical powder capable of fighting against class A, B, C & Electrically started fires.
- Hydraulically tested as per standard and passed through anti-corrosive treatment
- High quality Pure Polyester (PP) powder coating (UV Resistant)
- Brass chrome plated valve with simple squeeze operation
- Controllable Discharge
- Easy to maintain, recharge & service
- Large loop Stainless steel Pull pin
- Available in 1kg., 2kg., 4kg., 6kg. & 9kg. Capacity.



CO2 PORTABLE FIRE EXTINGUISHER

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.

Available in wheel type discharge mechanism

IDEAL USE:

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

SUITABLE FOR CLASSES OF FIRE:



FEATURES

- Carbon Di Oxide is Colorless, Odorless, Non Toxic and provides rapid knockdown of industrial fires
- PESO / CCOE Approved cylinder body and confirms to 15:7285
- Available in 2kg., 3kg., 4.5kg. & 6.5kg. Capacity
- 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



CLEAN AGENT STORED PRESSURE EXTINGUISHER

Fe36 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. Aircraft's Laboratories etc

SUITABLE FOR CLASSES OF FIRE:



AVAILABLE:

1kg., 2kg., 4kg. & 6kg. Capacity



FOAM TYPE STORED PRESSURE FIRE EXTINGUISHER

Stored Pressure Foam fire extinguisher are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture

IDEAL USE:

Petrol Stations (Foam), Restaurants. etc.

CAUTION:

Don't use on Electrical Fire

SUITABLE FOR CLASSES OF FIRE:



FEATURES

- AFFF (Aqueous Film Forming Foam) fights against Class A and Class B fires
- High quality Pure Polyester (PP) powder coating (UV Resistant)
- Air aspirated nozzle to provide high fire rating in case of foam extinguisher
- Brass chrome plated valve with simple squeeze operation and controllable discharge
- Hydraulically tested as per standard and passed through anti-corrosive treatment
- Large loop Stainless steel Pull Pin
- EPDM Rubber braided hose is far more flexible than the PVC braided
- Available in 6Ltrs. & 9Ltrs. Capacity



DRY POWDER MODULAR TYPE AUTOMATIC FIRE EXTINGUISHER

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 Wood working area etc.

SUITABLE FOR CLASSES OF FIRE:



FEATURES

- Hydraulically tested as per standard and passed through anti-corrosive treatment
- An Automatic Detection and Suppression System together in a single unit quite unlike any other system available in the market
- Automatic round-the-clock protection
- Automatic operation, hence no human involvement, reducing the chances of injury and accidents to virtually zero.
- Reusable cylinder as it is not based on aerosol technology. Hence, most economical
- Provides securities in case of emergencies and power failure without power backup
- Available in 2kg., 5kg. & 10kg. Capacity



CLEAN AGENT MODULAR TYPE AUTOMATIC FIRE EXTINGUISHER

MODULAR TYPE CLEAN AGENT FE 36 AUTOMATIC FIRE EXTINGUISHERS which keeps guard and extinguishes fire quickly and efficiently. In the event of fire, Modular type extinguishers activate automatically, spraying the extinguishing agent with maximum force, ensuring that the fire is brought under control rapidly and efficiently.

IDEAL USE:

Computers, Telephone, Switch gears, Sensitive data storage, Offices, Boats.

SUITABLE FOR CLASSES OF FIRE:



Comparative Advantages of FE -36

- FE 36 is not scheduled for phase out as HCFC like Halotron I, which contains Chlorine. The B.Pt of FE 36 is -1.4°C, hence is discharged as gas, unlike Halotron I, which comes out as a liquid. The Extinguishing concentration of FE 36 is well above NOAEL and LOAEL values. NO OLAR,. NO PHASE OUT : MONTREAL PROTOCOL

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 LISA signification New Alternative Policy (SNAP)
- Internally Epoxy Polyester (EP) and Externally Pure Polyester (PP) powder coated (UV Resistant)
- Anti-corrosive treatment: Semi Automatic Seven tank Hot dipping Phosphate treatment Process
- Helium Leak Detection tested for leakage, leak rate up in 10^{-6} mbar.lise-c.
- Available in 2kg., 5kg. & 10kg. Capacity



OBLIQUE TYPE LANDING VALVE

(Type 'A')

TECHNICAL SPECIFICATIONS

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

PERFORMANCE TEST

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



Type of Material	Stainless Steel	Gun Metal	Aluminum
Body, Bonnet Assembly	Stainless Steel - IS:3444	LTB2 - IS:318	IS: 617
Valve Spindle	Stainless Steel - IS:6603	Brass Road - IS319/320	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	Stainless Steel - IS:6528	Stainless Steel - IS:6528
Gland Packing - Asbestos Thread	IS:4687 (Type-3)	IS:4687 (Type-3)	IS:4687 (Type-3)

DOUBLE OUTLET LANDING VALVE

(Type 'B')

TECHNICAL SPECIFICATIONS

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

PERFORMANCE TEST

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



Type of Material	Stainless Steel	Gun Metal
Body, Bonnet Assembly	Stainless Steel - IS:3444	LTB2 - IS:318
Valve Spindle	Stainless Steel - IS:6603	Brass Road - IS319/320
Cast Iron Wheel	IS:210	IS:210
Rubber Washer	IS:937 (Type-A)	IS:937 (Type-A)
Spring	Stainless Steel - IS:6528	Stainless Steel - IS:6528
Gland Packing - Asbestos Thread	IS:4687 (Type-3)	IS:4687 (Type-3)

SHORT BRANCH PIPE WITH NOZZLE

TECHNICAL SPECIFICATIONS

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

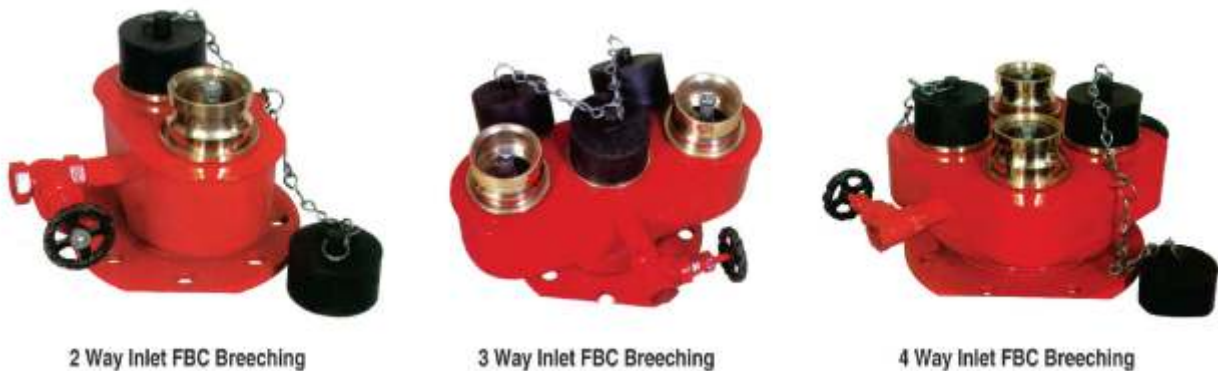
PERFORMANCE TEST

Hydraulic Test : Tested at 21Kgf/cm²
Working Pressure : 7Kgf/cm²
Finishing : Natural PolishedKgf/cm²
Hologram : Sticker Stuck on Nozzle



Type of Material	Stainless Steel	Gun Metal	Aluminum
Body, Assembly	Stainless Steel - IS:3444	LTB2 - IS:318	IS: 617
Valve Spindle	Stainless Steel - IS:6603	Brass Road - IS319/320	Stainless Steel - IS:6603

INLET FBC BREECHING



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

RRL HOSE (REINFORCED RUBBER LINED HOSE)

NON PERCOLATING FLEXIBLE DELIVERY HOSE

Conforming to IS: 636/1988 Type-A

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 rot proofing agent.

Reinforcement: a thin fabric reinforcement bonded by a Special adhesive.

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

Standard Length: 7.5mtrs., 15mtrs., 22.5mtrs. & 30mtrs.

End Connection: As per customer requirements.

FEATURES

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



Diameter (mm)	Bursting Pressure KCF/cm	Test Proof Pressure KCF/cm	Aluminum (30mtr.) cm
38	35.7	21.4	44-45
50	35.7	21.4	44-45
63	35.7	21.4	44-45
70	35.7	21.4	44-45

EXTRA COAT RRL HOSE (Reinforced Rubber Lined Hose)

NON PERCOLATING FLEXIBLE DELIVERY HOSE

TECHNICAL SPECIFICATIONS

Hose: RRL Hose with Elastomeric Coating conforming to as per IS:636/1988 Type-A

Application: This RRL Hose is used for water delivery purpose in Fire-Fighting, Oil & Power Sector, Industrial Plant & Sailing Vessels.

Jacket: Circular Woven jacket made from a 100% synthetic yarn with high abrasion and heat resistance. The woven jacket is treated with a special Elastomeric. Coating to give protection against moisture and fungus.

Reinforcement: a thin fabric reinforcement bonded by a Special adhesive.

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

Standard Length: 7.5mtrs., 15mtrs., 22.5mtrs. & 30mtrs.

End Connection: As per customer requirements.

FEATURES

Compact, Flexible & Light weight, Abrasion Resistant, Ability to withstand high operating & back pressure, unaffected with mild dew.



Diameter (mm)	Bursting Pressure KCF/cm	Test Proof Pressure KCF/cm	Aluminum (30mtr.) cm
38	35.7	21.4	44-45
50	35.7	21.4	44-45
63	35.7	21.4	44-45
70	35.7	21.4	44-45

FIRE 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: 7.5mtrs., 15mtrs., 22.5mtrs. & 30mtrs.

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	Aluminum (30mtr.) cm
38	35.7	21.4	44-45
50	35.7	21.4	44-45
63	35.7	21.4	44-45
70	35.7	21.4	44-45

INSTANTANEOUS MALE/FEMALE TYPE COUPLING

TECHNICAL SPECIFICATIONS

Size: 63mm

Material: Gun Metal / Stainless Steel / Aluminum Alloy

Conforming Specification: IS:9003:1993

PERFORMANCE TEST

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



Stainless Steel



Gun Metal



Aluminum

Type of Material	Stainless Steel	Gun Metal	Aluminum
Body, Assembly	Stainless Steel - IS:3444	LTB2 - 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:3444

SWINGING TYPE WALL MOUNTED FIRST AID HOSE REEL DRUM

TECHNICAL SPECIFICATIONS

Conforming to: IS:884/ 1958

Size: Inlet : 1" Threaded Inlet Connection Type : Swinging 1800 Wall Mounting

Outlet: 3/4" / 1" / 1-1/2 outlet connection For House to accommodate 30/36/40 Mtrs. Hoses

PERFORMANCE TEST

Hydrostatic Test: Tested at 21 Kg/cm² Range & Water Flow rate test at 7Kg/cm²

(A) Discharge: 24 LPM

(B) Range (Jet Length): 6 Mtr (Min)



Hub Sides & Wall Bracket	M.S. Sheet of IS : 513
Swivel Joint	LTB - 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

THERMOPLASTIC HOSE PIPE 1111 (TEXTILE REINFORCED) FOR WATER

TECHNICAL SPECIFICATIONS

IS: 12585 - Type 1 W.P.6 Kg/cm²

IS: 12585 - Type - 2 W.P.10 Kg/cm²

CONSTRUCTION:

Lining: A flexible Thermoplasti Lining, Smooth in bore.

Reinforcement: A Natural or Synthetic Textile

Reinforcement: A flexible thermoplastics cover, which may have a smooth or fluted. Normal Bore (ID) : 10.00 mm to 50.00 mm

Application: This Hose is used for water deliver & Fire Fighting purpose.



CABINET



MS Cabinet



Fibre Cabinet

FLEXIBLE SPRINKLER HOSE FITTING



Available product length and type	700mm to 1800 (28" to 70")
Available square bar length	700mm to 1500 (28" to 59")
Max. working pressure	14kgf/cm ² (200psi)
Max. ambient temperature	1070C (2250F)
Minimum installation Bending Radius	75mm (3")
Bending Angles (Flow Direction)	up to 180 Degree
Largest K factor for 1/2 inch outlet	5.6[gpm/(psi) ^{1/2}]
Largest K factor for 1/3 inch outlet	14.0[gpm/(psi) ^{1/2}]
Intended use	Wet system and dry system

AUTOMATIC SPRINKLER

Temperature Rating	1550 F/680C
Glass Bulb Color	Red
Thread Size	NPT 1/2" or R 1/2"
Max. Service Pressure	175 psi
Glass Bulb Diameters (mm)	05



Sidewall
Type Sprinkler



Pendent
Type Sprinkler



Upright
Type Sprinkler

FIRE FIGHTING ACCESSORIES



Gun Metal Air Release Valve



Foot Valve Strainer



Gun Metal & Aluminum

Dividing Breeching



Sprinkler MV Spray Nozzle



Gun Metal

Draw of Connection



C.I. Draw of Connection



Camlock Coupling



B.A. Set



Suction Coupling



Double Female Adapter



Double Male Adapter



adapter Double Female Lugs



Fire Blanket



Fire Bell



Fire Bucket



Water Flow Indicator

Note: Product images are for illustrative purpose only & may differ from actual product.

OUR ESTEEMED CLIENTS



J.K. Helene Curtis Limited

.....and many more

thank you!!!



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