

**FLUID CONTROL SOLUTIONS**

THE WAY OF LIQUID MOVEMENT

Since 2019



# COMPANY PROFILE

Fluid Control Solutions is a Kolkata-based engineering company specializing in liquid and air management systems for industrial liquid and air movement, serving applications from clear water to abrasive slurry and industrial ventilation since 2019.



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## FLUID CONTROL SOLUTIONS

THE WAY OF LIQUID MOVEMENT

# ABOUT COMPANY

Fluid Control Solutions was founded on 2 September 2019 by Mr. Pritam Bose and is registered as a non-government company with the Registrar of Companies, Kolkata. The company is built around reliable, application-specific solutions for fluid handling and industrial air movement, combining product supply with engineering support and after-sales service. Its culture emphasizes innovation, customer proximity, and a customer-driven mindset that focuses on solving real plant problems rather than just supplying equipment.

From its registered office and godown at Madhyamgram, Kolkata, and a dedicated sales office near Madhyamgram Flyover, Fluid Control Solutions supports customers across sectors such as power, steel, infrastructure, water and wastewater, process industries, and building services. Over time, it has developed strong relationships with major industrial houses by offering end-to-end support from selection and sizing to commissioning and lifecycle maintenance.

# WELCOME MESSAGE



## FLUID CONTROL SOLUTIONS

THE WAY OF LIQUID MOVEMENT

Welcome to Fluid Control Solutions, your trusted partner in engineering excellence for fluid and air movement. We are delighted to have the opportunity to introduce our company and explore how we can add value to your operations. Since our inception, we have been committed to understanding the real needs of industry and delivering reliable, high-performance solutions that go far beyond simply supplying products. Every requirement we receive is treated as a unique challenge, and our team works closely with you to study your application, analyze operating conditions, and propose the most suitable combination of pumps, valves, motors, and MBH industrial air blowers.

At Fluid Control Solutions, customer service is not just a promise; it is the foundation of everything we do. We believe in long-term partnerships built on mutual trust, transparency, and consistent technical support throughout the lifecycle of your equipment. From clear water to abrasive slurry, from utility pumping to critical air management, our goal is to ensure smooth, efficient, and safe operation of your systems. We warmly welcome you to connect with us, share your requirements, and experience a professional, responsive, and solution-oriented approach that is fully focused on your success.

# OUR VISION



**FLUID CONTROL SOLUTIONS**  
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## Vision

Our vision is to be a dependable and innovative partner for every industry that relies on fluid and air movement, recognized for solving problems rather than just supplying products. We aspire to create an environment of mutual trust and respect where customers feel heard, understood, and supported at every stage—from defining their challenges to implementing and sustaining the right solution. By continuously upgrading our technical knowledge, strengthening our product range, and embracing new technologies, we aim to deliver solutions that enhance efficiency, reliability, and safety in our customers' operations.

We also envision building long-term relationships that go beyond transactions, where our customers see us as an extension of their own engineering and maintenance teams. Our focus is on delighting customers by consistently exceeding expectations in performance, quality, and service responsiveness. Through ethical practices, transparent communication, and a commitment to continuous improvement, we strive to set a benchmark in the fluid control and air management industry, becoming the first name that comes to mind when reliable pumping and MBH blower solutions are required.





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# OUR MISSION

## MISSION 01

Our mission is to earn our customers' loyalty by consistently delivering high-quality, reliable and value-driven solutions for fluid handling and industrial air management. We are committed to carefully understanding each customer's application, selecting the right combination of pumps, valves, motors and MBH blowers, and ensuring that every solution we offer improves performance, uptime and safety. By focusing on technical accuracy, timely responses and honest guidance, we aim to make every interaction meaningful and result-oriented.

We also strive to build a culture of integrity, teamwork and continuous improvement within our organization. Our mission is to empower our people with knowledge, tools and responsibility so they can support customers with confidence and professionalism at every stage—pre-sales, commissioning and after-sales service. Through ethical business practices, transparent communication and a strong service backbone, we seek to become a long-term partner for our customers, not just a supplier, and to contribute positively to the industries and communities we serve.



# OUR SERVICE



**FLUID CONTROL SOLUTIONS**  
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## LIQUID MANAGEMENT

Liquid management at Fluid Control Solutions delivers complete pumping solutions across industrial, commercial, fire fighting, municipal wastewater, and mining applications. It combines a wide range of centrifugal, multistage, self-priming, vertical inline, borewell and openwell submersible, drainage and sewage, fire fighting, and dewatering pumps to handle everything from process water, utilities, pressure boosting, and building services to sewage, storm water, and demanding mining dewatering duties, ensuring reliable, efficient, and application-specific performance throughout the entire liquid handling cycle.

## AIR MANAGEMENT

Fluid Control Solutions provides reliable industrial air management solutions for process and ventilation needs across core industries and large facilities. Its portfolio covers high, medium, and low pressure blowers, twin and tri-lobe blowers, gas and side channel blowers, centrifugal blowers, and customized fans and blowers, supporting applications such as process air, combustion air, fume extraction, dust collection, plant ventilation, and cooling or drying systems. Each unit is selected on air volume, pressure, temperature, and medium characteristics to ensure technically correct, energy-efficient performance, and is properly integrated with ducts, filters, dampers, and control systems for smooth, safe, and efficient operation of the complete air management setup.



# LIQUID MANAGEMENT



**FLUID CONTROL SOLUTIONS**  
THE WAY OF LIQUID MOVEMENT

## INDUSTRIAL SOLUTION

1. Centrifugal Monoblock Pumps – for general process water, utility services, and circulation duties.
2. Chemical Pumps & Mixers – for handling corrosive and chemically aggressive liquids, along with agitation and mixing requirements.
3. Coolant Pumps – for machine tools and circulation of cutting fluids and coolants.
4. End Suction Pumps – for process and utility applications requiring robust, easy-to-maintain units.
5. Horizontal Split Case Pumps – for high-flow, medium-head services such as cooling water and large circulation systems.
6. Multistage Centrifugal Pumps – for high-pressure applications like boiler feed, washing systems, and pressure boosting.
7. Self Priming Monoblock Pumps – for applications where suction lifting and quick priming are essential.
8. Self Priming Centrifugal Pumps – for transfer and dewatering duties with intermittent or varying suction conditions.
9. Vertical Inline Pumps – for space-saving, pipeline-mounted circulation in HVAC and industrial systems.
10. Vertical Multistage Pumps – for compact, high-pressure duties including process, washing, and pressure boosting in industrial plants.
11. Vertical Turbine Pumps – for deep sump, well, or pit applications where high head and reliable continuous operation are required.
12. Slurry Pumps – for handling abrasive, high-solids slurries in mining, mineral processing, and heavy industry.
13. Dewatering Pumps – for removing accumulated water from pits, foundations, tunnels, mines, and construction sites



# LIQUID MANAGEMENT

## INDUSTRIAL SOLUTION



**FLUID CONTROL SOLUTIONS**  
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**MONOBLOCK PUMPS**  
INDUSTRIAL SOLUTIONS



**CHEMICAL PUMPS**  
INDUSTRIAL SOLUTIONS



**Horizontal Split Case Pump**  
INDUSTRIAL SOLUTIONS



**Coolant Pumps**  
Industrial Solutions



**VERTICAL INLINE PUMPS**  
INDUSTRIAL SOLUTIONS



**Vertical Multistage Pumps**  
Industrial Solutions



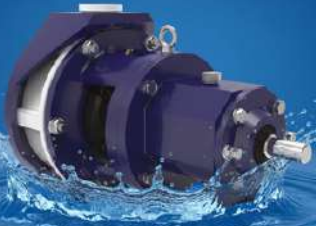
**Vertical turbine pumps**  
Industrial Solutions



**End Suction Pumps**  
Industrial Solution



**Self Priming Monoblock Pumps**  
Industrial Solution



**Slurry Pumps**  
Industrial Solution



**Dewatering Pumps**  
Industrial Solution



**Multistage Centrifugal Pumps**  
Industrial Solutions



# LIQUID MANAGEMENT



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## COMMERCIAL BUILDING SOLUTION

1. Borewell Submersible Pumps – for dependable underground water extraction and primary building water supply.
2. Centrifugal Monoblock Pumps – for general water transfer, circulation, and utility services.
3. Multistage Centrifugal Pumps – for high-pressure applications such as pressure boosting and high-rise water distribution.
4. Openwell Submersible Pumps – for sump, underground reservoir, and low-level water lifting duties.
5. Pressure Booster Systems – for maintaining consistent water pressure across multiple floors and usage points.
6. Self Priming Monoblock Pumps – for domestic and utility applications requiring quick priming and reliable suction lift.
7. Self Priming Centrifugal Pumps – for transfer, dewatering, and service water where suction conditions vary.
8. Vertical Inline Pumps – for compact, pipeline-mounted circulation in HVAC and building services.
9. Vertical Multistage Pumps – for space-saving, high-pressure boosting in high-rise and commercial complexes.
10. Swimming Pool Pumps – for pool water circulation, filtration, and water quality management.
11. HVAC Systems – pumping solutions integrated with chilled water, condenser water, and hot water circuits for air conditioning and climate control.
12. HPN Systems – high-pressure network systems for applications such as cleaning, flushing, and specialized building services requiring controlled high-pressure water.



# LIQUID MANAGEMENT



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## COMMERCIAL BUILDING SOLUTION



# LIQUID MANAGEMENT



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## FIRE FIGHTING SOLUTION

1. Fire Fighting Pump Sets – configured with main, standby, and jockey pumps to maintain system pressure and deliver the required flow during fire emergencies.
2. Multistage Centrifugal Pumps – used where higher pressures are needed, especially in high-rise buildings and large industrial or infrastructure projects, ensuring adequate pressure at all outlets.
3. Engine-Driven Fire Pumps – provided as a reliable backup to electric-driven units, ensuring fire water availability even during power failures or critical emergency conditions.



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## MUNICIPAL WATER SOLUTION

1. Drainage & Sewage Pumps – for lifting and transferring raw sewage, drainage water, and storm water from sumps, manholes, and collection pits to higher-level mains or treatment units.
2. End Suction Pumps – for treated or partially treated wastewater transfer, return flows, and utility duties within treatment plants and pumping stations.
3. Horizontal Split Case Pumps – for high-flow municipal applications such as large pumping stations, trunk mains, and storm water handling where reliable, continuous operation and easy maintainability are essential.
4. Clear and Raw Water Pumps – for intake, transmission, and distribution of clear and raw water in municipal networks, supporting drinking water supply, overhead tank feeding, and bulk water transfer.



**DRAINAGE & SEWAGE PUMPS**



**HORIZONTAL SPLIT CASE PUMPS**



**END SUCTION PUMPS**



**CLEAR AND RAW WATER PUMPS**



# LIQUID MANAGEMENT



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## MINING APPLICATION SOLUTIONS

1. Horizontal Split Case Pumps – for high-flow mine water transfer, circulation, and centralized dewatering systems where continuous, heavy-duty operation is required.
2. Submerged Centrifugal Pumps – for pit and shaft dewatering, sump emptying, and localized water removal directly from flooded or wet areas.
3. Auto Prime Pumps – for mobile and temporary dewatering setups that require rapid priming, frequent relocation, and reliable operation even under varying suction and site conditions.



**HORIZONTAL SPLIT CASE PUMPS**



**SUBMERGED CENTRIFUGAL PUMPS**



**AUTO PRIME PUMPS**



# AIR MANAGEMENT



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## AIR MANAGEMENT SOLUTION

1. High Pressure Blowers – for applications requiring high air pressure, such as pneumatic conveying, combustion air, and high-resistance process systems.
2. Low Pressure Blowers – for large-volume, low-pressure ventilation and general air circulation duties.
3. Medium Pressure Blowers – for balanced requirements where both moderate pressure and flow are needed in process and utility applications.
4. Customized Fans & Blowers – engineered to suit specific process conditions, layouts, and performance demands.
5. Twin Lobe Blowers – for steady, pulsation-controlled air delivery in aeration, conveying, and process air systems.
6. Tri-Lobe Roots Blowers – for higher efficiency, lower noise, and smoother operation in demanding continuous-duty applications.
7. Gas Blowers – for handling various process gases safely and reliably under controlled conditions.
8. Side Channel Blowers – for vacuum and pressure applications requiring oil-free, continuous air flow.
9. Centrifugal Blowers – for a broad range of industrial air movement, including ventilation, cooling, drying, and fume extraction.



# AIR MANAGEMENT



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## AIR MANAGEMENT SOLUTION



**HIGH PRESSURE BLOWERS**



**LOW PRESSURE BLOWERS**



**MEDIUM PRESSURE BLOWERS**



**CUSTOMIZED FANS & BLOWERS**



**TWIN LOBE BLOWERS**



**TRI-LOBE ROOTS BLOWERS**



**GAS BLOWERS**



**SIDE CHANNEL BLOWERS**



**CENTRIFUGAL BLOWERS**



# CONTROL SYSTEM



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## Wall Mounted Boxes



- Range : Size 200 x 200 x 150 to 1200 x 1400 x 400 (W\*H\*D) in mm
- 41 different variants / Standard sizes
- Upto IP-66 & IK-10 version
- Available in MS Powder Coated & in SS-304 grade stainless steel.
- PU Jointless gasket
- LHS & RHS interchangeability of door
- Available with mounting plate & cable entry plate
- Single & Double door versions

## Plugs & Sockets



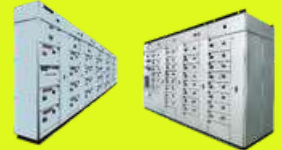
- DS'De-contactors: 5Pin 16A, 32A, 63A, 125A, 415V  
:with Integral Switching Device,  
: IP65 Protection
- Heavy Duty Metal P&S'SS' Type:  
: Power-3/4/5 Pin 30A, 415V  
: Control - 12 Pin 12A, 415V
- Plastic P&S, 'PS' Type: 3/4/5 Pins 20A/32A, 415V
- Metal Clad P&S 'MP' & 'MS' Type:  
3 Pins 20A, 250V & 4 Pin 30A, 415V
- Plug & Socket Boxes available with all type  
of Plug & Sockets in universal & flush mounted

## DC & AC Brakes



- DC Shunt Brakes: Size 150mm-800mm & 8"-30" wheel dia  
: Braking Torque 8kgm-1242kgm
- DC Series Brakes: Size 200mm-600mm & 8"-23" wheel dia  
: Braking Torque 13.8kgm-555kgm  
: Half hour & one hour rating
- Fail safe operations
- Brake coil Epoxy filled Class F insulation
- AC Solenoid : Pull type - 25, 31.4 & 40mm stroke length  
: Continuous & intermittent Duty
- AC Brakes : Brake size 4", 5.5", 7", 250mm  
: Braking Torque 13.6Nm-147Nm
- Neoprene shock absorber increases life of solenoid

## Motor Control Center & Power Control Center



- Techno Modular Design with flexibility in construction,  
Fixed & withdrawable type in Single front & Double front  
execution upto form - 4B
- IP-54/55 design suitable for Indoor & Outdoor installation
- Bus Bar Rating up to 6300A with E91E grade Aluminium/  
Electrolytic grade Copper Bus Bars
- Type tested for Short Circuit 4000A for 65 KA rms/1sec &  
up to 5000A for 50 KA rms/ 1sec, as per IS/IEC: 61439-1&2
- Type tested for Temperature rise 800A to 5000A from  
CPRI Bhopal as per IS/IEC: 61439
- Intelligent motor control center with advanced IMC relays

## Floor Standing Enclosure



- Available variants of standard panels:  
Tough-Rugged-Reliable TCE series Enclosure. Complete  
Modular - TME series enclosure
- Range: 600x1800x400 (WxHxD) in mm through  
1200x2200x800 (WxHxD) in mm
- Upto IP 66 degree of protection. IK-10 and CE marked
- Powder coating in RAL-7035 shade followed by PU gasket
- Advanced 3 / 4 point locking mechanism with a swing handle  
for ease of opening
- Ideal for Automation, Special purpose machines, Control  
panels & instrumentation enclosures

## Limit Switches & Foot Switches



- **Limit Switches:**  
• Heavy Duty, Mini & Precision ranges of limit switches  
• Conforms to IEC-60947-5-1  
• Rugged & Reliable design  
• Zinc Die Cast body - Heavy & Mini Limit Switch  
• Wide range of operating heads
- **Foot Switches:**  
• Two & Three Positions  
• 1NO+1NC/2NO+2NC/4NO+4NC contact blocks  
• With & without latch options  
• With 'Guard' & with 'Shield' versions

## KRTPN (Pneumatic Timer)



- 30 Sec/60Sec/180Sec
- AC & DC Supply
- PN Type- On Delay, PNI Type- On Delay+Instantaneous,  
PCN Type- On Delay+Off Delay
- 1NO+1NC/ 2NO+2NC contact blocks
- Completely maintainable i.e. coil, contact blocks and  
timing head can be replaced
- Special Timer for Railway application

## Bus Duct



- Low Voltage, 415V AC (Non segregated phase bus duct),  
rating up to 4000A TPN - Bus duct (Aluminium & Copper)
- Medium Voltage, 6.6 & 11kV (Segregated phase bus  
duct), ratings 800A, 2000A, 2500A & 3150A, Bus Duct  
(Aluminium)
- DC Bus Duct 220V DC, ratings 1250 & 3400A

## AC Contactors



- **Freedom 3 pole & 4 pole**  
• 3P range : 6A to 1200AAC3 (3 Pole)  
• 4P range : 20A to 400AAC1 (4 Pole)  
• Conforms to IS/IEC 60947-4-1  
• High Electrical & Mechanical life  
• No deration up to 60°C (AC3 duty)
- **Citation series 3 pole**  
• Range: 32A to 150A AC3 (3 Pole)  
• Conforms to IS/IEC 60947-4-1  
• Wide terminal space for reliable & durable termination
- **Capacitor Switching Contactor**  
• Range: 5kVAR to 60kVAR  
• With De-latching mechanism

## DC Mill Duty Contactors



- Range : 50A-600A at 600VDC
- Ready to use mechanically inter locked versions
- Normally closed versions available
- Hold on coil for time delay
- Mechanical life : 20 million operations
- Electrical life : 1 million operations

## Motor Starters & Submersible Pump Starters



- DOL Starters - range upto 40HP
- Star-Delta Starters - range upto 375HP
- 3-Ph Submersible Pump Starters range  
» DOL upto 40A relay range  
» Star-Delta upto 135A relay range
- 1-Ph Submersible Pump Starters - upto 32A relay range
- Oil Immersed DOL & Star Delta Starters
- Mini Manual Starters, 1-ph DOL, Auto start DOL
- Fully-Automatic & Semi-Automatic Starters available
- Protects motor from phase failure, phase reversal and  
phase imbalance
- Conforms to standard IEC 60947-4-1

## Ultra Power range of 3 Pole & 4 Pole ACBs



- Range: 800A to 6300A in 3 frames
- Complete range conforms to IS/IEC 60947-2
- Manually & Electrically operated, Fixed/Draw-out versions
- Icu=Ics=low for 1 sec for total selectivity
- Common Height & Depth across the complete range
- High mechanical and electrical operating life
- Neutral pole is 100% rated
- In-built Electrical & Mechanical Anti-pumping
- Modular & snap-fit accessories
- RoHS Compliant

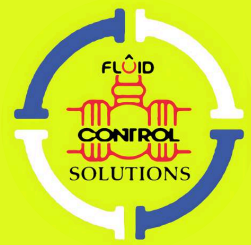
## MCB (Miniature Circuit Breaker) & RCCB



- Rating: 0.5A to 63A
- Poles: 1P/SPN/2P/3P/TPN/4P
- Tripping Curve B & C
- Conforms to IS/IEC-60898-1 (6A - 63A)  
& IS/IEC60947-2 (0.5 - 5A)
- IP 20 Degree protection (Finger Proofed terminals)
- Breaking Capacity 10kA
- Terminal Capacity 35 sq. mm (Cu)
- **BCH RCCBs** are available in three ratings:  
25A, 40A & 63A (2 Pole & 4 Pole)
- Each rating having sensitivity setting of 30mA, 100mA, 300mA



# CONTROL SYSTEM



**FLUID CONTROL SOLUTIONS**  
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## LT Power Capacitors - Cylindrical & Box Type



- Range: 1 KVAR to 25 KVAR
- MPP Cylindrical type - Normal & Heavy Duty
- MPP Box type-Normal & Heavy Duty
- APP Box type-Single layer, Heavy Duty
- SHDLL Box type-Super Heavy Duty (5 yrs. warranty)
- Rated Voltage (Vn): 440V/ 480V/525V
- Frequency : 50 (+/- 3%) Hz
- Insulation Voltage : 3kV AC
- Rated Temperature : 50° C

## Plug in Relays



- ARP series Plug in Relay**
- 2 & 3 Changeover Universal relays-10Amp
  - 4 & 2 Changeover Miniature relays -6Amp, 12Amp
  - 12/24/48/110 VDC Coil Voltage
  - 12/24/48/110/230 VAC Coil Voltage
  - Mechanical indicators and test/latch button
- ASP series Plug in Relay**
- 2 & 3 Changeover Universal relays-10Amp/5Amp
  - 2 & 4 Changeover Miniature relays -5Amp
  - 12/24/48/110 VDC Coil Voltage
  - 12/24/48/110/230 VAC Coil Voltage

## 4 Pole & 2 Pole Contactors



- 4 Pole Contactor ratings 12, 16, 20, 25, 32, & 40A
- 2 Pole Contactor ratings 12, 16, 20, 25, 32, & 40A
- Conforms to IEC60947-4-1 • Electrical endurance (AC3) : 1 Million Operations • Encapsulated Coil for high withstand capacity • Compact & Robust construction using high grade moulding
- Weld resistant Silver Alloy contacts
- Wide Band Coil options available
- Spare Coil and spare Contact Kit available

## Overload Relays



- Citation series**
- Wide range: 0.195A to 600A
  - Built in single phasing protection
  - Ambient temperature compensated
  - Direct mounting & Separate mounting options
  - Class10A
- Freedom series**
- Range: 0.1A to 80A
  - Built in Single Phasing Protection
  - Ambient temperature compensated
  - Class-10A
  - Direct & Separate mounting option

## Motor Protection Circuit Breaker (MPCB)



- Available in three models (MS, MPE & MPH Series)**
- Range: 0.1A to 32A
  - Conforms to IEC 60947-4, IEC 60947-2
  - Mechanical & Electrical Endurance : 1 lakh operations
  - Side mounting & top mounting aux. contacts
  - UV & Shunt release
  - Clear trip indication
  - Rotary Handle option in MPH range

## Mega Power range of 3 Pole & 4 Pole ACBs



- Range: 800A to 6300A
- Complete range conforms to IS/IEC 60947-2
- Manually & Electrically operated, Fixed/Draw-out versions
- Icu=Ics=low for 1 sec for total selectivity
- Common Height & Depth across the complete range
- High mechanical and electrical operating life
- Neutral pole is 100% rated
- In-built Electrical & Mechanical Anti-pumping
- Protection through Microprocessor releases (BR18G) & Thermo Magnetic release (BN1)
- Self diagnostic Microprocessor based Releases with on-load testing through TEST button
- Protection Releases conform to EMI / EMC standards

## MCB Distribution Boxes



- Single Door & Double Door SPN Distribution Boxes
- HTPN Single Door & Double Door Distribution Boxes
- VTPN Double Door Distribution Boxes with MCB Incomer & MCCB Incomer
- Double Door Row Distribution Boxes
- 7 Segment Phase Segregated Double Door Distribution Boxes
- Phase Selector Double Door Distribution Boxes
- Plug & Socket Distribution Boxes
- SP, DP, TP & FP MCB Boxes

## Automatic Power Factor Controllers (APFC Relays)



- RG - T series: » 1 Phase Single CT version for balanced loads » 6, 8, 12 steps R G 3 - T series: » 3 phase, 3CT version for unbalanced loads » 8,12 steps
- Connecting single phase & 3-phase capacitors
  - Compensation of each phase • Measures : A, V, cos- $\phi$ , total W, Total VAR, total VA,

total KWh, total KVARh

## Sensors



- Inductive Proximity Sensors**
- Diameter - 4mm to 80mm
  - Sensing distance 0.8mm to 40mm
  - Flush & Non Flush Version
  - AC 2 Wire DC 2, 3 & 4 Wire versions
- Capacitive Proximity**
- Sensing distance up to 25mm
  - AC 2 Wire & DC 3 Wire & 4 Wire version
  - Sensitivity adjustment through multi turn potentiometer
- Photo Electric**
- Cylindrical and rectangular type
  - Diffuse reflective, Retro reflective & thru beam
  - Emitter-Receiver
  - Sensing range: 50mm to 10mtr, AC & DC version

## Electronic Timers



- Timer Category
- On Delay » Cyclic » Star Delta
  - Off Delay » Multifunction
  - Timing range from 0.1 Sec to 10.0 Hours
  - Widest Voltage range
  - Large Calibrated dial for easy & accurate time setting
  - Surface mounting & DIN rail mounting
  - Special version Encapsulated timer for compressor /Pump application

## 'AC/DC Drive & Soft Starter'

## Definite Purpose Contactors



- 20A to 40A
- 1Pole & 2Pole
- Quick connector terminals
- Wide band coil option
- Specially designed for air conditioning & refrigeration applications

## Electronic Overcurrent Relay (EOCR)



- Rating: 0.5 to 400 Amp (up to 60A with built in CT)
- Microprocessor control
- Ammeter function through LED/Digital display
- Trip Class 10, 10A, 20 & 30
- Low power consumption
- High accuracy
- Din rail mounting/Panel mounting
- Selectable definite & indefinite time-current characteristics
- Ambience insensitive
- Low inventory

## Solid State Relay (SSR)



- Range: 12A to 125A
- Single phase and three phase SSR
- Slim SSR range (22.5mm) with current monitoring & temperature controller PID
- Input voltage 3V to 32VDC (Other voltages on request)
- High switching frequency and longer life
- Reliable and quiet operation
- Compact size
- Low level output control possible without interfacing

## Moulded Case Circuit Breakers 3P & 4P



- X-Range MCCBs**
- 3P range: 10A-1250A • 4P range: 20A-1250A • Breaking Capacity : 10kA to 50kA • Tested & Certified as per IS/IEC-60947-2 • Ics=100%, 75% & 50% of Icu • Available in Thermal Magnetic (Fixed & Variable) and Microprocessor based (LSI & LSIG) • Suitable for Isolation • Line load interchangeability
  - Double insulation

## Submersible Flat Cable & Wires



- 3 Core Flat Cable**
- Range: 1.0-95sq. mm
  - Conforming to IS 694:2010
  - Thick sheathed PVC / XLPE Insulated type cables available
- Single & Multicore PVC cables**
- Single core range : 0.50-300 sq mm
  - Conforming to IS 694:2010
  - Special PVC formulation for stress free insulation to ensure long life
- FR & FRLSH Cables**
- Range : 0.50-50 sqmm
  - Superior flame retardant characteristics
- We use 99.98% pure ETP copper conductor with 101% Conductivity



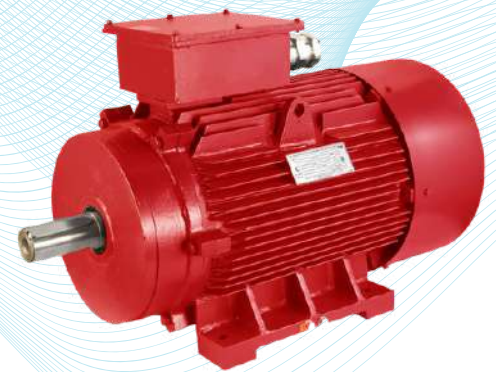
# VALVES & MOTORS



**FLUID CONTROL SOLUTIONS**  
THE WAY OF LIQUID MOVEMENT

## MOTORS

1. General Induction Motors – used for a wide range of industrial and commercial applications, offering reliable, efficient performance for pumps, fans, compressors, and general machinery.
2. Crane Duty Brake Motors – designed for hoists, cranes, and material handling equipment, incorporating braking systems for precise stopping, holding loads, and frequent start–stop operations.
3. Flameproof Motors – built to operate safely in hazardous areas with explosive gas or dust atmospheres, preventing internal sparks or heat from igniting the surrounding environment.
4. Shock Duty Motors – engineered to withstand heavy mechanical shocks, vibrations, and sudden load changes in demanding industrial applications, ensuring long service life and dependable operation.
5. Fire Fighting Motors – specially selected and configured for fire fighting pump duty, capable of withstanding high ambient temperatures, long continuous runs, and emergency start conditions to ensure reliable water supply during fire events.



# VALVES & MOTORS



**FLUID CONTROL SOLUTIONS**  
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## VALVES

### INDUSTRIAL VALVES

Comprehensive Solutions  
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# LIST OF OUR CLIENTS



**FLUID CONTROL SOLUTIONS**  
THE WAY OF LIQUID MOVEMENT



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## FLUID CONTROL SOLUTIONS

THE WAY OF LIQUID MOVEMENT

Fluid Control Solutions is a Kolkata-based engineering company specializing in liquid and air management systems for industrial, commercial, municipal, and infrastructure projects. Founded in 2019 by Mr. Pritam Bose, it provides a wide range of pumps, motors, valves, and industrial air-moving equipment to handle clear water, wastewater, slurry, fire fighting services, and process and ventilation air. The company is driven by a customer-first philosophy, with a clear vision and mission focused on honest communication, technical correctness, and long-term relationships.

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