



world class

LIQUID

TRANSFER

solutions for

TEXTILES



A.T.E. experts flow technology

A.T.E. is a multifaceted engineering group offering world-class products and solutions in the areas of flow technology, textile engineering, cooling, wastewater treatment and recycling, energy efficiency, print and packaging, and internet of things for industry.

The Flow Technology division of A.T.E. Enterprises is a comprehensive and end-to-end solution provider for liquid transfer. With domain expertise gained over three decades of experience in this field, A.T.E. is recognised across industrial segments in India & Bangladesh as a liquid transfer specialist.

Based on A.T.E.'s experience of over 75 years in the textile industry and its understanding of the specific processes and needs of customers, we bring to you a range of pumps and systems designed for various textile application to solve your liquid transfer problems.

Our services include selecting, precise sizing, integrating and supplying of pumps and systems with knowledge based application engineering, all backed by excellent service.

AODD pumps for screen printing and sizing applications



AODD pump

Air operated double diaphragm pumps are ideal for transferring colour, cellulose and starch in printing and sizing applications. AODD pumps have better transfer rates, thus they transfer colour, cellulose and starch consistently.

Features and benefits:

- Handle wide variety of fluids and chemicals
- Variable flow rate and discharge pressure
- No motor required – operate on pneumatic principle
- Lesser moving parts – low maintenance cost
- No lubrication required

Automated chemical dosing systems for desizing and other applications

Chemical dosing systems provide accurate dosing based on set parameters, are easy to install and do not call for manual intervention. These systems are custom built based on user defined requirements.

Features and benefits:

- High dosing accuracy
- High operational safety
- Most advanced control and pump technology



Electromagnetic dosing pumps



Chemical dosing system



TeraFlow pressure boosting systems



TeraFlow hydropneumatic system

TeraFlow hydropneumatic systems deliver constant pressure of water to multiple dyeing machines and other utility points across a process house. These systems eliminate the need for an overhead storage tank. The scalable design enables a variety of configurations, ranging from fixed speed to advanced and fully automated variable speed systems.

Features and benefits:

- Maintain constant pressure of water across all utilities
- Skid mounted, easy to install
- Robust system, low maintenance
- No need of a standby pump since all pumps on a soft start

Centrifugal pumps for clear water transfer applications

Highly efficient range of in-line, end-suction and split-case centrifugal pumps and vertical multistage pumps which enable continuous operation of chillers, boilers, cooling towers, and RO systems.

Features and benefits:

- Designed for continuous operation
- Low noise level and service friendly
- Energy efficient
- Lower life cycle cost



In-line end suction pumps



Vertical multistage pumps

Automated dosing controller for water treatment applications



Water treatment controller

This automated dosing controller is an integration of advanced sensing, instrumentation, fluid pumping, and extensive remote data communication technologies into a compact package for water treatment.

Features and benefits:

- Monitors and controls true value for various water treatment parameters
- Handles multiple cooling towers, boilers in closed loops or any combination
- Data logging and email, text, SMS, alarms
- Fully automated operation without any manual intervention

Submersible pumps, mixers and diffusers for effluent treatment plants

Submersible pumps

These submersible pumps are used for dewatering waste and fluid water from the basement. The pumps have a thermal sensor which is ideal for motor protection. With a convenient installation procedure and a structure that allows the pumps to be either free-standing or mounted on a pedestal, these are ideal for fluid transfer in wastewater and effluent treatment facilities.

Features and benefits:

- Hydraulic design with Contrabloc system or vortex impellers
- Highly efficient IE3 motor in accordance with IEC 60034-30
- Available with H and F class insulation with IP 68 enclosure
- Integrated thermal and moisture sensors
- Automatic coupling with single guide rail



Submersible pumps

Submersible mixers

This range of submersible mixers are suitable for agitating, blending, mixing, dissolving, and suspension of solids in effluent treatment plants.

Features and benefits:

- Energy saving and self-cleaning propeller design
- Highly energy efficient compared to conventional mixing
- Adjustable bracket allows direction to be altered
- Reliable with a minimal risk of motor overloading
- Patented solids deflection ring



Submersible mixers

Diffusers

These diffusers have special features such as non-return valves and sliding rings that improve the operational reliability and efficiency. High oxygen transfer efficiency combined with low pressure drops makes these diffusers extremely effective.

Features and benefits:

- Low pressure drop and high aeration efficiency
- Quick and easy installation with flexible layout design
- Double layer disc to achieve top oxygen transfer yield with very low back pressure
- Equipped with non-return valve



Diffuser



Our network



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