



Efficient liquid transfer and water management is key to efficient processes and water conservation. A.T.E. Enterprises Private Limited has been providing efficient liquid transfer solutions for over three decades to its customers in India and Bangladesh.

A.T.E. is recognised as an expert in flow management and offers a wide range of high technology pumps for a variety of uses. A.T.E. configures solutions using products from some of the world's best brands such as Sulzer, Iwaki, Yamada, Ebara, and also A.T.E.'s own TeraFlow vertical multistage stainless steel centrifugal pumps and hydropneumatic systems. The portfolio also includes Walchem controllers.

A.T.E. has built up deep knowledge across industry verticals for a number of applications spanning a range of flow rates, pressures, viscosities, and fluid types. Our end-to-end solutions start with studying the application requirements, selection, precise sizing, integrating and supplying of pumps and systems with knowledge based engineering, all backed by excellent installation, commissioning and post-commissioning services.

With deep domain knowledge, a wide range of high technology pumps and solutions, and impeccable customer service, you can count on us as your reliable partner for all your liquid transfer needs.

Markets served

- Municipal
- Automobiles & auto components
- Textiles
 - Buildings & construction
 - Chemicals
 - Food & beverage
 - Pharmaceuticals
 - Paints & dyes

- Steel
- Print & packaging
- Dairy
- Electronics & semiconductors
- Soaps & cosmetics
- Gems & jewellery
- Battery manufacturing

Sulzer Pumps

abs pumps, a 140 year old organisation, now a part of the Swiss multinational Sulzer group, is a world leader in products and solutions for the water and wastewater industry.

Submersible Wastewater Drainage Pumps

Sulzer manufactures highly efficient submersible sewage, storm water, drainage, and dewatering pumps.

Features and benefits

Energy efficient motors in accordance with IE3 of IEC 60034-30

Excellent rag handling and anti-clogging features Patented hydraulics – Contrabloc[®] and vortex impeller Safety feature – integrated thermal and moisture sensors

Specifications

Power: up to 700 kW Capacity: up to 26000 m³/h Head: up to 90 m

Applications

For pumping of wastewater and sewage Dewatering construction sites Sludge handling with high suspended solids Storm water and raw water handling Industrial waste and effluent treatment plants





Sewage pumps

Drainage pumps



Portable dewatering pumps

The Sulzer submersible mixers are widely used in municipal as well as in industry like textile, pharmaceuticals, chemicals, tanneries, sugar, food processing, etc. These mixers find application in sewage and water treatment plants.

Features and benefits

Highly energy efficient as compared to conventional mixing by agitators

Compact, water pressure-tight, self-cleaning design Hydrodynamic shape for optimum flow formation and mixing coverage

Reliable with minimum risk of motor overloading Available in cast iron as well as in stainless steel construction

Specifications

Propeller: up to 950 mm Power: up to 25 kW Mixing flow: up to 6444 m³/h Thrust: up to 6400 N

Applications

Agitating, blending, mixing, dissolving, and suspension of solids in industry and municipal treatment plants Homogenisation of highly-concentrated sewage sludge Mixing and stirring applications in sewage treatment plants and industrial areas

Low-speed wastewater mixing and stirring applications for denitrification and phosphate elimination process (flow boosters)



Sanimat

5UI 21

Sanimax

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Sulzer synthetic lifting stations provide an efficient, effective, and economical solution for the removal of wastewater from locations that do not have gravity access to the main sewer line.

Features and benefits

Ready to install; robust and compact tank for buildings Easily transported and fitted Corrosion resistant

Specifications

Power: up to 6 kW Capacity: up to 165 m3/h Head: up to 35 m

Applications

Domestic sewage and wastewater containing toilet waste Apartment blocks, hospitals, hotels, and large commercial buildings



Head: up to 16 m

Specifications

septicity and odour.

Features and benefits

Power: up to 75 kW

Capacity: up to 405 kgO₂/h

optional fixed installation Cost-effective installation

Applications

Sludge storage and stabilisation Flotation of oil and grease Additional aeration





Disc diffusers

High oxygen transfer efficiency combined with low pressure drops makes the Sulzer diffusers extremely effective.

Venturi jet aerator

Features and benefits

XTA

Low pressure drop and high aeration efficiency High temperature endurance Reliable and long-lasting Quick and easy installation with flexible layout design Available with HDPE and EPDM membranes

Specifications

Capacity: up to 336 mm Air flow: up to 8 m³/h Membrane surface area: up to 0.60 m²

Applications

Aeration of municipal and industrial wastewater

Iwaki Co. Limited

Iwaki Co., a renowned engineering and manufacturing company, is the world leader in dosing and metering pumps since 1965.

Electromagnetic Dosing Pumps

The Iwaki electromagnetic metering pump offers precise chemical injection at an economical cost.

Features and benefits

High speed operation – up to 360 strokes per minute; results in high resolution chemical feed

Double ball check valves – the precision ball, seat, and guide assembly ensure tight sealing to prevent loss of prime

Compact size – ideal for OEM application; pumps are small, quiet, and lightweight

Long lasting diaphragm – PTFE coated EPDM is moulded onto a solid core

Specifications

Discharge capacity: up to 75 L/h Discharge pressure: up to 1.0 MPa MOC: PVC, GFRPP, SUS316, PVDF, PTFE Stroke rate: 360 spm

Applications

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Feeding of boiler compound Cooling towers Controlling concentration of residual chlorine Sterilisation of cleaning water Metered filling process



Electromagnetic dosing pumps

Magnetic (mag) Drive Pumps



Compact mag drive



Process mag drive

The lwaki magnetic drive pumps are ideal for handling various chemicals including acids and alkalis, as well as high purity chemicals and ultra-pure water.

Features and benefits

Leak free, seal-less construction Simple, modular construction for ease of maintenance Non-metallic chemically inert materials offer excellent resistance to corrosive fluids

Specifications

Discharge capacity: up to 800 L/min Head range: up to 35 m MOC: GFRPP, PTFE

Applications

Surface treatment Water treatment Chemical processing Food processing Fluid handling needs in a variety of OEM equipment Dairy Recirculation in electroplating 0



Motorized dosing pumps



Hi-Techno IX series pump

lwaki's robust mechanical design to withstand severe operating environment and equipped to handle high pressure feed applications.

Features and benefits

Precise chemical dosing High turn down ratio Viscous liquid transfer Smooth dosing with low impact High compression pump head design

Specifications

Discharge capacity: up to 2700 L/h Discharge pressure: up to 1.5 MPa MOC: PVC, PVDF, SUS 316

Applications

Accurate transfer of strong acid Proportional feeding of additive Chemical liquid concentration control Liquid sampling Dairy Recirculation in electroplating



lwaki offers a wide range of process specific, custom-built chemical dosing systems with capability to dose a variety of chemicals in a pre-determined sequence and ratio.

Features and benefits

textile industry

Robust construction Skid mounted Corrosion and abrasion resistance Fully tested

Applications

Biocides and inhibitors dosing in cooling water Acid and alkali dosing for pH control Coagulants (such as ferric (II/III) chloride) dosing for waste water treatment Acid and alkali dosing for dyeing, desizing, bleaching processes in

Chemical dosing system



Yamada Corporation

An industry leader for over 100 years, Yamada offers the best Japanese technology and is known for its innovative and superior quality products, with unmatched reliability.

Air Operated Double Diaphragm Pumps (AODD Pumps)

AODD pumps from Yamada can handle many kinds of fluids including corrosive, abrasive, and hazardous liquids as well as powders and slurries. These pumps have no rotating parts or mechanical seals and provide lubrication-free operation.

Features and benefits

Handles wide variety of fluids and chemicals Self-priming Ability to run dry Variable flow rate and discharge pressure Explosion proof FDA compliant

Specifications

Normal port size: up to 3 inch (80 mm) Discharge pressure: up to 7 bar Discharge volume: up to 810 L/min

Applications

Latex industry Ceramic industry Pharmaceutical industry Pulp and paper industry Chemical industry Paint and ink manufacturing industry Powder transfer



NDP-5 to NDP-80



Low pressure supply pumps

Yamada air operated pump unit suitable for transferring material like lubricants, paints, etc.

Features and benefits

Safely transports flammable liquids Adjustable discharge pressure Does not affect the properties of the material being transferred Suitable for low viscous material such as oil and chemicals

Specifications

Suction tube: STKM12B Piston packing: Buna N Gland packing: Buna N Pump ratio: up to 15:1

Applications

Suitable for lubricant, paints, and chemical transfer applications



High pressure supply pumps

Yamada air operated pump unit suitable for transferring/supplying high viscosity material like grease.

Features and benefits

Variable discharge pressure Air tight CE approved design Stable flat pail base

Specifications

Discharge pressure: up to 38.9 MPa Discharge volume per cycle: up to 650 mL Air supply pressure: up to 0.7 MPa Liquid temperature: up to 80 °C Pump ratio: up to 55:1

Applications

Suitable for grease and adhesive transfer applications



Yamada lubrication equipment comes complete with a large cabinet and a stable four caster base, providing maximum portability and versatility.

Features and benefits

Safely transports flammable liquids Transfers material at high pressure Does not affect the properties of the material being transfered

Specifications

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Size range: up to 20 L Capacity range: up to 40 mL per stroke

Applications

Suitable for heavy viscosity grease transfer application



Lubrication pump



Walchem, an Iwaki America Company

Established in 1989, Walchem is an expert in integrating advanced sensing, instrumentation, fluid pumping and communication technologies to deliver reliable and innovative solutions to the global water treatment market.

> Controllers for pH/ORP/Conductivity/ Disinfection/Cooling Tower/Boiler

Walchem series controllers provide an economical and reliable way to automate your water treatment programme under control.

Features and benefits

Large touch screen display Monitors and controls true value for pH/ORP/conductivity/disinfection Centralised 24/7 awareness of account status Emailing alarm messages, datalog reports or system summary reports

Specifications

pH: -2 to +16 pH ORP: ±1500 mV (ORP) Conductivity: up to 2000000 uS/cm Disinfection: -2000 to 1500 mV

Applications

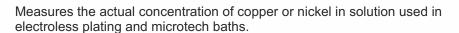
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Cooling tower biocide control RO systems Metal finishing and printed circuit board Swimming pools and spas Food and beverage disinfection Potable water treatment Active pharmaceutical ingredients process

Copper/Nickel Plating Controllers



W400



WebMaster ®

Features and benefits

Concentration read in units Easy to configure Simple, integrated data collection Four separate control relays and outputs

Specifications

Cu: 0.01 to 99 g/L Ni: 0.01 to 10 g/L pH: -2 to +14 pH

Applications Electroless copper plating Electroless nickel plating



W100 & W600

W100 P

Ebara Corporation

Ebara Corporation, a Japanese multinational company, offers stainless steel close coupled pump-sets for general utility applications as well as cast iron, stainless steel dewatering and sewage pumps for light to medium duty applications.

Water and Wastewater Pumps

Most comprehensive range of centrifugal surface and submersible pumps from Ebara for clear water application.

Features and benefits

Energy efficient Low life cycle cost Higher sheet metal thickness

Specifications

Capacity: up to 2000 m³/h Head: up to 220 m

Applications

Building services Industrial utility services Industrial processes HVAC Pressure boosting systems Dewatering and sewage handling







Submersible pumps







End-suction coupled & split case

Multistage pumps



General water pumps



End-suction CI pumps



TeraFlow Pumps and System

A.T.E., an expert in water management, offers TeraFlow range of vertical multistage stainless steel centrifugal pumps and hydropneumatic systems.

Vertical Multistage Centrifugal Pumps

Designed and engineered for a wide variety of clear water application.

Features and benefits

Designed for continuous operation Low noise level and service friendly Compatible with standard IEC motors Steeper head capacity curve

Specifications

Flow: up to 200 m³/h Head: up to 250 m MOC: CI, stainless steel

Applications

RO plants Boiler feed Pressure boosting systems Industrial washing plants HVAC Chillers Hot water circulation Fire fighting system



TFV, TFVI, TFVL

Hydropneumatic System





Hydropneumatic pressure boosting system

Designed and engineered for constant and efficient water supply mangement in conditions of varying water demands.

Features and benefits

Self-cooling and motor-independent drives Energy saving up to 70% Multi-pump control capability Automatic recovery after power failure

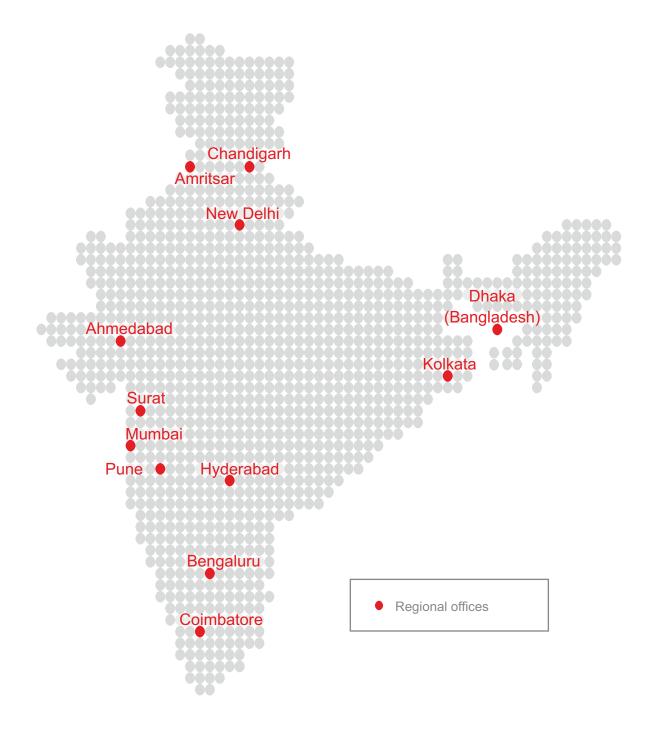
Specifications

Flow: up to 1200 m³/h Head: up to 250 m

Applications

High-rise buildings Townships and smart cities Bungalows/villas Commercial buildings such as malls, hotels Hospitals

NETWORK





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