

ENGINEERED SOLUTIONS FOR FLUID HANDLING & PROCESS CHEMICALS

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ABOUT US

Engineering-Driven Industrial Solutions for Fluid Handling, Process Equipment & Chemical Applications.

Turn Around Engineering Solution (TAES) is an engineering-driven company specializing in fluid handling, water treatment, process monitoring, and industrial chemical solutions for process and utility applications. We support EPC contractors, OEMs, industrial end users, and project consultants with technically aligned products and engineering assistance tailored to diverse industrial requirements.

Our portfolio includes dosing and metering systems, industrial pumps, analytical instruments, water treatment components, membranes, ion exchange resins, industrial preservatives, and specialty process chemicals. Every solution is selected through a structured engineering approach, considering application requirements, operating conditions, chemical compatibility, and long-term operational reliability.

With a commitment to technical excellence, quality, and responsive project support, TAES delivers reliable solutions that enhance process efficiency, operational safety, and compliance across critical industrial applications.

ENGINEERING PHILOSOPHY

At TAES, we believe every industrial application demands a technically aligned solution rather than a standard product. Our engineering philosophy is built on understanding process requirements, evaluating operating conditions, and selecting equipment that delivers reliable, safe, and efficient performance throughout its service life.

By combining application expertise with structured technical evaluation, we support EPC contractors, OEMs, consultants, and industrial end users with solutions that meet project specifications, regulatory requirements, and long-term operational objectives.



CORE ENGINEERING PRINCIPLES

- **Application-Driven Selection**
Solutions tailored to process requirements and operating conditions.
- **Engineering Excellence**
Focus on technical accuracy, quality, and system reliability.
- **Compliance & Safety**
Equipment selected to meet applicable industrial and project standards.
- **Performance & Efficiency**
Optimized solutions for reliable and efficient plant operation.
- **Long-Term Partnership**
Technical support from selection through project execution and beyond.

» OUR VISION AND MISSION

To be recognized as the most trusted and technically proficient engineering partner for precision fluid handling, chemical dosing, and sustainable water and process solutions, serving India and global markets.

To empower EPCs, OEMs, and industrial end users with reliable products, analytical expertise, and integrated engineering support, enabling:

- Improved operational efficiency
- Assured regulatory compliance
- Long-term environmental sustainability



OUR CORE VALUES

At Turn Around Engineering Solution (TAES), our core values define who we are and how we operate. They guide our decisions, shape our relationships, and drive our commitment to delivering reliable, high-quality engineering solutions.

1

INTEGRITY

We uphold the highest standards of honesty, transparency, and ethical business practices in every interaction. By fostering trust and accountability, we build strong relationships with our clients, partners, and stakeholders, ensuring confidence in every solution we deliver.

2

PRECISION

Engineering excellence begins with accuracy. We apply meticulous attention to detail in product selection, system design, technical evaluation, and project execution to ensure optimal performance, efficiency, and compliance with industry standards.

3

RELIABILITY

Dependability is at the core of our business. We are committed to delivering consistent quality, responsive technical support, and solutions that perform reliably under demanding industrial conditions. Our goal is to create long-term partnerships built on trust and proven results.

4

ENGINEERING RESPONSIBILITY

Every recommendation we make carries operational, financial, and environmental implications. We approach each project with a strong sense of professional responsibility, ensuring that our solutions are technically sound, practical, safe, and aligned with our clients' long-term objectives.

Why CHOOSE TAES?

To be recognized as the most trusted and technically proficient engineering partner for precision fluid handling, chemical dosing, and sustainable water and process solutions, serving India and global markets.



Engineering-Driven Solutions for Industrial & EPC Projects

TAES delivers technically aligned solutions for fluid handling, water treatment, process monitoring, and industrial chemicals, supporting EPC contractors, OEMs, traders, and end users across India and global markets. Our focus is on engineering accuracy, reliable sourcing, compliance, and long-term operational performance.

Why Customers Choose TAES

- ✓ Engineering-led product selection
- ✓ Application-focused technical evaluation
- ✓ Support for EPC specifications & project requirements
- ✓ Multi-product sourcing through a single point of contact
- ✓ Technical documentation & compliance support
- ✓ Reliable supply for project and maintenance requirements
- ✓ Support for automation, utility, and process systems
- ✓ Responsive commercial and technical coordination

Value Delivered

- ✓ Reduced procurement complexity
- ✓ Faster technical evaluation & selection
- ✓ Improved project execution efficiency
- ✓ Reliable and compliant industrial solutions
- ✓ Long-term operational reliability



INDUSTRIES WE SERVE

Supporting EPC contractors, OEMs, industrial end users, and project consultants with engineered solutions for fluid handling, water treatment, process control, and utility applications across diverse industrial sectors.



INDUSTRIES WE SERVE



Oil & Gas Industries



Pharmaceutical Industries



Specialty Chemicals & Process Industries



Power & Utility Industries



Manufacturing & Process Industries



Paints, Inks & Coatings Industries



Food & Beverage Industries



Automotive & Auto Component Industries



Textile & Dyeing Industries



Water & Wastewater Treatment

ENGINEERING & PROJECT SUPPORT

Engineering Solutions for Industrial Fluid Handling & Process

TAES supports EPC contractors, OEMs, consultants, and industrial end users with application engineering, technical coordination, and project support for pumps, process equipment, fluid handling, chemical handling, dosing systems, and industrial process applications. Our approach focuses on accurate equipment selection, system reliability, regulatory compliance, and long-term operational performance.

Equipment Selection & System Sizing

- ✓ Pump and dosing system selection
- ✓ Process parameter evaluation
- ✓ Utility system assessment
- ✓ Application-specific recommendations

Technical Documentation Support

- ✓ Technical datasheets
- ✓ Product specifications
- ✓ Compliance documents
- ✓ Material and test certificates (as applicable)

Application & Compatibility Review

- ✓ Chemical compatibility assessment
- ✓ MOC (Material of Construction) selection support
- ✓ Process condition evaluation
- ✓ Reliability-focused recommendations

Process & Automation Integration

- ✓ Instrumentation selection support]
- ✓ Dosing and control system integration
- ✓ PLC / SCADA compatibility review
- ✓ Process monitoring solutions

EPC & Project Execution Support

- ✓ Compliance with project specifications
- ✓ Technical bid support
- ✓ Vendor documentation coordination
- ✓ Support during execution and commissioning

Project Focus

- ✓ Engineering-led product selection
- ✓ Compliance-oriented solutions
- ✓ Process reliability & operational safety
- ✓ Optimized system performance
- ✓ Reduced maintenance & downtime
- ✓ Long-term operational stability

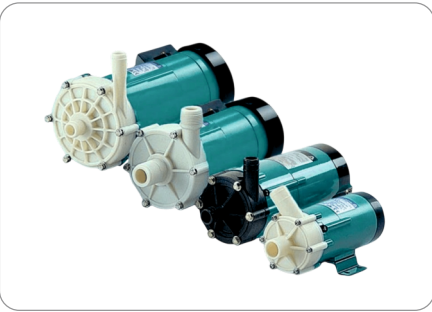
Value Delivered

Bridging the gap between project specifications, operational requirements, and successful on-site execution through engineering-backed product selection and technical support.

TAES helps customers minimize technical risks, improve project efficiency, and ensure reliable system performance by providing application-focused engineering support, technical coordination, and dependable industrial solutions throughout the project lifecycle.

MAGNETIC DRIVE PUMPS

Seal-Less Pumps for Leak-Free Transfer of Corrosive & Hazardous Chemicals



Magnetic Drive Pumps are seal-less centrifugal pumps designed for the safe handling of corrosive, toxic, volatile, and high-purity fluids. The magnetic coupling eliminates mechanical seals, ensuring complete fluid containment, enhanced safety, and reduced maintenance. TAES supplies application-engineered Magnetic Drive Pump solutions for chemical processing, water treatment, pharmaceutical, and industrial utility applications where zero leakage and corrosion resistance are critical.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ Seal-less magnetic coupling design
- ✓ Zero external leakage
- ✓ Low maintenance and high reliability
- ✓ Excellent corrosion resistance
- ✓ Suitable for hazardous and toxic chemicals
- ✓ Improved process safety and environmental compliance

Typical Applications

- ✓ Acid & alkali transfer
- ✓ Solvent handling
- ✓ Chemical dosing and circulation systems
- ✓ Hazardous chemical transfer
- ✓ Water & wastewater treatment
- ✓ Pharmaceutical and specialty chemical processes

Engineering Selection Parameters

- ✓ Flow Rate & TDH
- ✓ Fluid Temperature
- ✓ Chemical Compatibility
- ✓ Specific Gravity & Viscosity
- ✓ Dry Run Conditions
- ✓ Hazardous Area Classification
- ✓ Motor Rating & Protection Class

Technical Specifications

Parameter	Capability Range
Flow Rate	Up to 200 m ³ /hr
Head	Up to 70 m
Operating Pressure	Up to 16 bar
Temperature	Up to 200°C*
Viscosity	Up to 150 cP
MOC	PP, PVDF, ETFE, SS316, Alloys
Seal Type	Seal-Less Magnetic CouplingIE2,
Motor Options	IE3, Flameproof

*Model dependent

SOLENOID METERING PUMPS

**Precision Chemical
Dosing Pumps** for Water Treatment
& Industrial Processes



Solenoid Metering Pumps are electronically controlled diaphragm dosing pumps designed for accurate and reliable injection of chemicals in water treatment, industrial processing, and utility applications. Their compact design, precise dosing capability, and low maintenance requirements make them ideal for continuous and intermittent chemical dosing operations. TAES supplies application-engineered Solenoid Metering Pump solutions for water treatment plants, RO systems, cooling towers, boilers, chemical processing industries, and wastewater treatment facilities.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ Accurate and repeatable chemical dosing
- ✓ Compact and space-saving design
- ✓ Adjustable stroke length and frequency
- ✓ High chemical compatibility
- ✓ Low maintenance diaphragm technology
- ✓ Manual and automatic control options
- ✓ Suitable for continuous-duty operation
- ✓ Digital, analog, and pulse-based control models available

Typical Applications

- ✓ Water & Wastewater Treatment
- ✓ Reverse Osmosis (RO) Systems
- ✓ Cooling Tower Chemical Dosing
- ✓ Boiler Water Treatment
- ✓ pH Correction Systems
- ✓ Chlorination & Disinfection
- ✓ Chemical Injection Skids
- ✓ Industrial Process Dosing

Engineering Selection Parameters

- ✓ Required Flow Rate
- ✓ Discharge Pressure
- ✓ Chemical Compatibility
- ✓ Dosing Accuracy Requirements
- ✓ Suction & Installation
- ✓ Conditions Control Signal Requirements (Pulse / 4–20 mA)
- ✓ Tank Height & Suction Lift
- ✓ Hazardous Area Requirements

Technical Specifications

Parameter	Capability Range
Flow Rate	0.001 to 1,500 LPH*
Discharge Pressure	Up to 25 bar*
Dosing Accuracy	±1%*
Liquid Temperature	Up to 60°C*
Wetted Materials	PVDF, PTFE, PVC,SS316
Diaphragm Material	PTFE
Control Options	Manual, Pulse, Analog (4–20mA),Digital
Power Supply	100–240 VAC / 24 VDC*

*Model dependent

MOTORIZED METERING PUMPS

**High-Precision
Dosing Pumps** for Medium &
High-Capacity Chemical Injection



Motorized Metering Pumps are mechanically actuated positive displacement pumps designed for accurate and reliable dosing of chemicals in industrial processes. Suitable for continuous-duty applications, these pumps provide precise flow control over a wide range of capacities and pressures, making them ideal for critical chemical dosing systems. TAES supplies application-engineered Motorized Metering Pump solutions for water treatment, chemical processing, power plants, oil & gas, pharmaceuticals, and industrial utility applications requiring accurate and consistent chemical injection.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ High dosing accuracy and repeatability
- ✓ Suitable for continuous-duty operation
- ✓ Wide flow and pressure range
- ✓ Adjustable stroke length for flow control
- ✓ Robust construction for industrial environments
- ✓ Handles corrosive and hazardous chemicals
- ✓ Available with manual and automatic control systems
- ✓ Compatible with PLC, SCADA, and process automation systems

Typical Applications

- ✓ Water & Wastewater Treatment
- ✓ Reverse Osmosis (RO) Plants
- ✓ Boiler & Cooling Water Treatment
- ✓ Chemical Injection Systems
- ✓ pH Control Systems
- ✓ Polymer & Coagulant Dosing
- ✓ Oil & Gas Chemical Injection
- ✓ Process Chemical Transfer & Dosing

Engineering Selection Parameters

- ✓ Required Flow Rate
- ✓ Discharge Pressure
- ✓ Chemical Compatibility
- ✓ Dosing Accuracy Requirements
- ✓ Fluid Temperature
- ✓ Specific Gravity & Viscosity
- ✓ Control & Automation Requirements
- ✓ Hazardous Area Classification

Technical Specifications

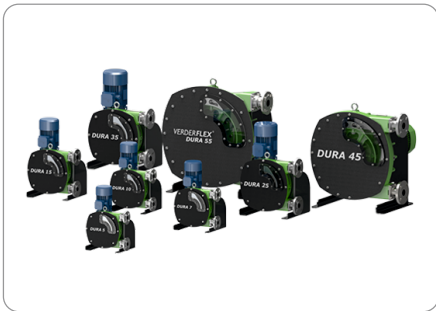
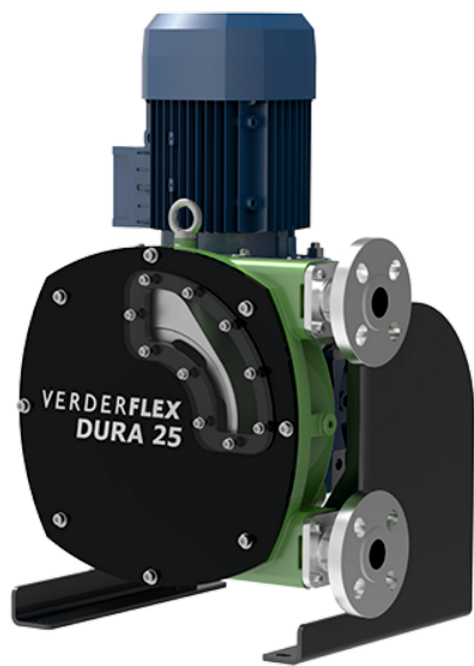
Parameter	Capability Range
Flow Rate	0.5 to 6,000 LPH*
Discharge Pressure	Up to 200 bar*
Dosing Accuracy	±1%*
Liquid Temperature	Up to 120°C*
Wetted Materials	PVC, PVDF, PTFE, SS316, Alloy Materials
Head Types	Diaphragm, Hydraulic Diaphragm, Plunger
Control Options	Manual, VFD, Servo, PLC/SCADA Integration
Motor Options	IE2, IE3, Flameproof, ATEX*

*Model dependent

VERDERFLEX® PERISTALTIC PUMPS

Industrial Hose & Tube Pump Solutions

TAES supplies the complete range of Verderflex® Peristaltic Pumps for accurate dosing and reliable transfer of abrasive, corrosive, viscous, and shear-sensitive fluids.



Key Features

- ✓ Seal-less Design
- ✓ Self-Priming
- ✓ Dry Running Capability
- ✓ Abrasive & Viscous Fluid Handling
- ✓ Accurate Dosing
- ✓ Low Maintenance

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs

VERDER

Product Range

Hose Pumps

• Dura • VF • Rollit

Hose Pumps

• Rapide • Vantage • OEM • VP

Applications

- ✓ Chemical
- ✓ Water Treatment
- ✓ Mining
- ✓ Food & Beverage
- ✓ Pharmaceutical
- ✓ Paints & Pigments

Technical Specifications

Parameter	Capability
Parameter	Capability
Flow Rate	Up to 90 m ³ /hr*
Pressure	Up to 16 bar*
Pump Types	Hose & Tube
Fluid Handling	Abrasive, Corrosive & Viscous
Operation	Self-Priming & Dry Running

*Model dependent

Applications

- ✓ Leak-Free Operation
- ✓ Gentle Product Handling
- ✓ Long Service Life
- ✓ Low Maintenance
- ✓ Reduced Operating Cost

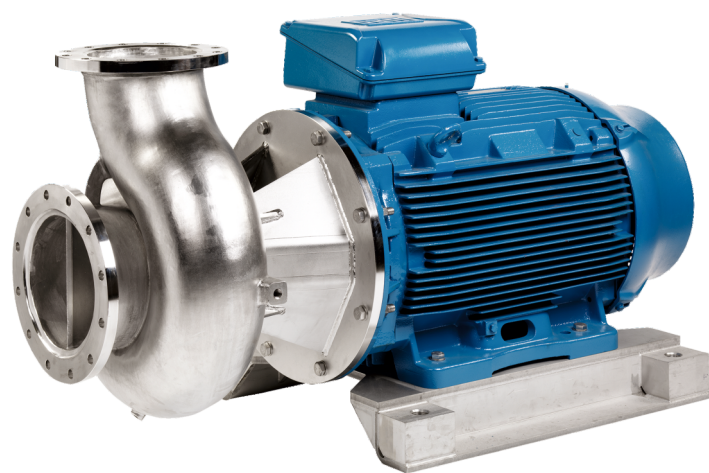
Available Materials

- ✓ Cast Iron
- ✓ Aluminium
- ✓ Stainless Steel
- ✓ NR, NBR, EPDM, CSM & Silicone Elastomers*

*Material availability depends on the selected series.

PACKO STAINLESS STEEL CENTRIFUGAL PUMPS

Packo Stainless Steel Centrifugal Pumps



TAES supplies the complete range of Packo stainless steel centrifugal pumps for industrial process, hygienic, and pharmaceutical applications. Engineered for high efficiency, corrosion resistance, hygienic operation, and long-term reliability.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs

VERDER

Key Features

- ✓ Stainless Steel Construction
- ✓ High Hydraulic Efficiency
- ✓ Low NPSHr
- ✓ Hygienic Design
- ✓ Corrosion Resistant
- ✓ Easy Maintenance
- ✓ Modular Construction
- ✓ Long Service Life

Typical Applications

- ✓ Chemical Processing
- ✓ Food & Beverage
- ✓ Dairy
- ✓ Pharmaceutical
- ✓ Water Treatment
- ✓ Reverse Osmosis
- ✓ Filtration Systems
- ✓ Breweries & Distilleries

- ✓ Available Product Range
- ✓ Industrial Pumps
- ✓ Hygienic Pumps

- ✓ Pharmaceutical Pumps
- ✓ High-Pressure Pumps
- ✓ Special Application Pumps

Performance Range

Parameter	Capability
Flow Rate	Up to 1,800 m ³ /hr*
Pressure	Up to 22 bar*
Head	Up to 70 m*
Construction	SS304 / Ss316
Configurations	Lindustrial, Hygienic & Pharmaceutical

*Performance depends on the selected pump series and model.

Performance Benefits

- ✓ Energy EfficientLow
- ✓ MaintenanceHygienic
- ✓ OperationReliable
- ✓ PerformanceLong Service
- ✓ LifeLow Lifecycle Cost

Engineering Support

- ✓ Application Engineering
- ✓ Pump Selection
- ✓ EPC Project Support
- ✓ OEM Integration
- ✓ Technical Support

PACKO ROTARY LOBE & CIRCUMFERENTIAL PISTON PUMPS

Hygienic & Heavy-Duty Pumps
for Viscous, ar-Sensitive &
Solids-Laden Fluids



TAES supplies Packo Rotary Lobe & Circumferential Piston Pumps for hygienic and industrial applications requiring gentle, reliable handling of viscous, shear-sensitive, and solids-containing fluids.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ Gentle handling of shear-sensitive fluids
- ✓ Handles high-viscosity & solids-laden media
- ✓ Reversible flow operation
- ✓ Low pulsation & smooth flow
- ✓ Hygienic CIP/SIP compatible
- ✓ Easy maintenance
- ✓ Reliable continuous operation

Typical Applications

- ✓ Food & Beverage
- ✓ Dairy Processing
- ✓ Pharmaceutical
- ✓ Cosmetics & Personal Care
- ✓ Chemical Processing
- ✓ Sludge & Wastewater
- ✓ Syrups, Sauces & Creams
- ✓ Tank Transfer & Process Circulation

Available Technologies

- Rotary Lobe Pumps • Circumferential Piston Pumps

Performance Range

Parameter	Capability
Flow Rate	Up to 115 m ³ /hr*
Pressure	Up to 15 bar*
Viscosity	Up to 1,000,000 cP*
Temperature	Up to 180°C*
Solids Handling	Soft Solids & Suspended Particles
MOC	SS316L
Seal Options	Single & Double Mechanical Seals

*Model dependent

Performance Benefits

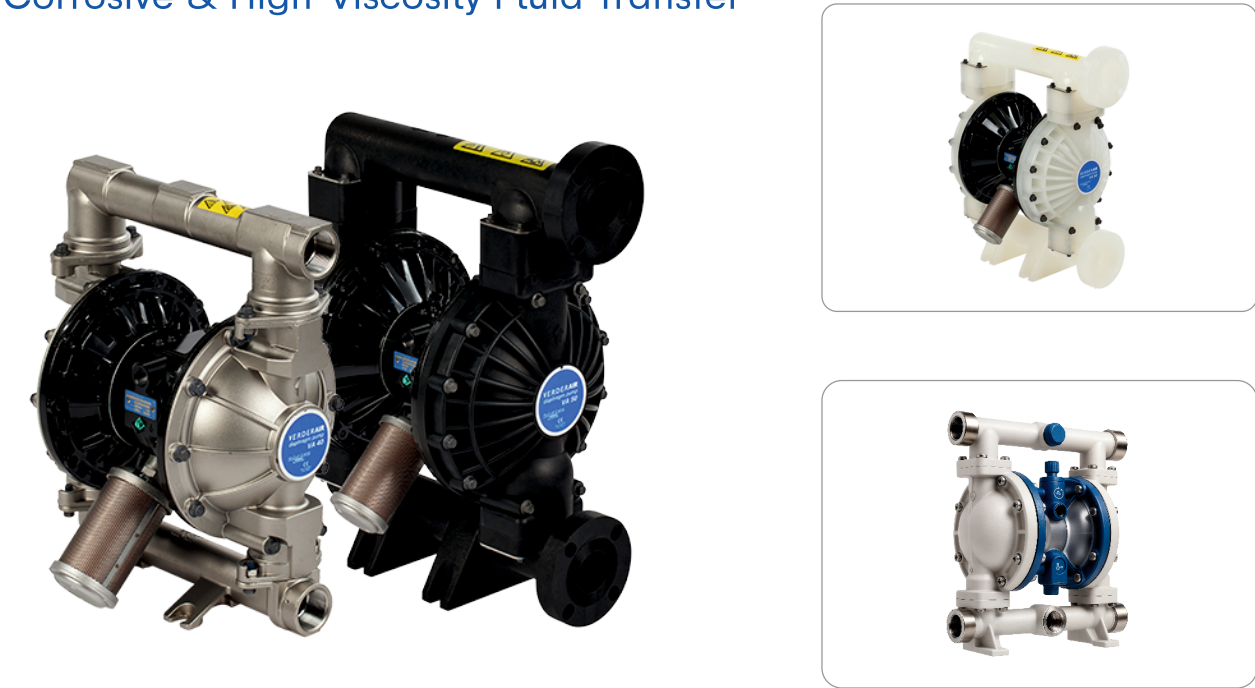
- ✓ Hygienic operation
- ✓ Gentle product handling
- ✓ High volumetric efficiency
- ✓ Low maintenance
- ✓ Long service life
- ✓ Reduced operating costs

Engineering Support

- ✓ Application Engineering
- ✓ Pump Selection
- ✓ EPC Project Support
- ✓ OEM Integration
- ✓ Technical Support

AIR OPERATED DOUBLE DIAPHRAGM (AODD) Pumps

Versatile Pumps for Abrasive,
Corrosive & High-Viscosity Fluid Transfer



Air Operated Double Diaphragm (AODD) Pumps are positive displacement pumps designed for reliable transfer of corrosive chemicals, abrasive slurries, viscous liquids, and solids-laden fluids. Powered by compressed air, these pumps offer self-priming capability, dry-run protection, and safe operation in hazardous environments.

TAES supplies application-engineered AODD pump solutions for chemical processing, water treatment, mining, pharmaceuticals, food processing, and industrial utility applications, ensuring dependable performance across demanding operating conditions.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs

Yamada

VERDER

seko

Key Features

- ✓ Self-priming and dry-run capable
- ✓ Handles abrasive and solids-laden fluids
- ✓ Suitable for high-viscosity liquids
- ✓ Air-operated for hazardous area applications
- ✓ Portable and easy to maintain
- ✓ Gentle product handling with low shear
- ✓ Available in metallic and non-metallic constructions

Typical Applications

- ✓ Chemical transfer and dosing
- ✓ Water and wastewater treatment
- ✓ Sludge and slurry handling
- ✓ Paints, inks, and coatings transfer
- ✓ Pharmaceutical and process industries
- ✓ Food and beverage processing
- ✓ Mining and mineral processing
- ✓ Oil & gas and industrial utility systems

Engineering Selection Parameters

- ✓ Flow Rate & Discharge Pressure
- ✓ Fluid Viscosity
- ✓ Solids Size & Concentration
- ✓ Chemical Compatibility
- ✓ Suction Lift Requirements
- ✓ Air Supply Pressure & Consumption
- ✓ Temperature & Installation Conditions

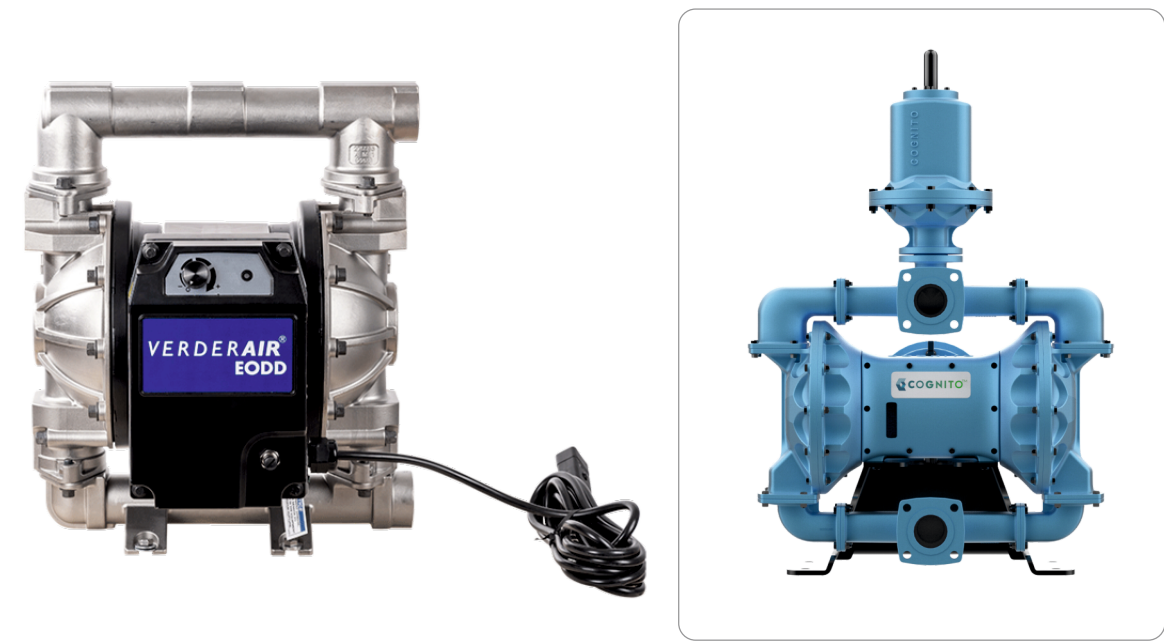
Technical Specifications

Parameter	Capability Range
Flow Rate	Up to 60 m ³ /hr
Discharge Pressure	Up to 8.6 bar
Solids Handling	Up to 10 mm*
Suction Lift	Up to 5 m Dry / 8 m Wet*
Temperature	Up to 120°C*
MOC (Material of Construction)	PP, PVDF, Aluminum, SS316, Cast Iron
Diaphragm Materials	PTFE, Santoprene, Nitrile, EPDM Viton
Drive Type	Compressed Air Operated

*Model dependent

ELECTRICALLY OPERATED DOUBLE DIAPHRAGM (EODD) PUMPS

Energy-Efficient Pumps for Accurate & Reliable Fluid Transferr



Electrically Operated Double Diaphragm (EODD) Pumps combine the self-priming and dry-run capabilities of diaphragm pumps with the energy efficiency and controllability of electric motors. They are ideal for transferring corrosive chemicals, viscous liquids, slurries, and shear-sensitive products while reducing compressed air consumption. TAES supplies application-engineered EODD Pump solutions for chemical processing, water treatment, pharmaceuticals, food processing, and industrial utility applications requiring efficient and controlled fluid handling.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ Up to 80% lower energy consumption compared to AODD pumps
- ✓ Self-priming and dry-run capable
- ✓ Precise flow control and dosing capability
- ✓ Handles viscous and solids-containing fluids
- ✓ Low pulsation and smooth flow delivery
- ✓ Reduced maintenance and operating costs
- ✓ Suitable for continuous-duty operation

Engineering Selection Parameters

- ✓ Flow Rate & Discharge Pressure
- ✓ Fluid Viscosity
- ✓ Solids Content
- ✓ Chemical Compatibility
- ✓ Suction Conditions
- ✓ Motor Rating & Speed Control
- ✓ Temperature & Duty Cycle

Technical Specifications

Parameter	Capability Range
Flow Rate	Up to 50 m ³ /hr*
Discharge Pressure	Up to 16 bar*
Suction Lift	Up to 8 m*
Temperature	Up to 120°C*
Viscosity	Up to 20,000 cP*
MOC (Material of Construction)	PP, PVDF, SS316, Aluminum
Diaphragm Materials	PTFE, EPDM, Nitrile, Viton
Drive Type	Electric Motor Driven

*Model dependent

Typical Applications

- ✓ Chemical transfer and circulation
- ✓ Acid & alkali handling
- ✓ Water and wastewater treatment
- ✓ Paints, inks, and coatings
- ✓ Food and beverage processing
- ✓ Pharmaceutical manufacturing
- ✓ Tank unloading and process transfer

INDUSTRIAL PRESERVATIVES & BIOCIDES

Microbial Protection Solutions
for Water-Based Industrial Products



Industrial Preservatives & Biocides are specialty chemicals designed to protect water-based formulations from bacterial, fungal, yeast, and algal contamination. They help maintain product quality, extend shelf life, prevent spoilage, and ensure consistent performance during storage and use. TAES supplies application-engineered preservation solutions for paints, coatings, adhesives, emulsions, metalworking fluids, construction chemicals, water treatment systems, and other industrial formulations requiring effective microbial control.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs

CLARIANT

Key Features

- ✓ Broad-spectrum protection against bacteria, fungi, yeast, and algae
- ✓ In-can preservation for water-based formulations
- ✓ Dry-film protection against fungal and algal growth
- ✓ Formaldehyde-free and conventional preservation options
- ✓ Excellent pH and temperature stability
- ✓ Enhanced product shelf life and quality retention
- ✓ Compatible with a wide range of industrial formulations

Product Categories

- ✓ Isothiazolinone-Based Preservatives (BIT, MIT, CMIT/MIT)
- ✓ DBNPA-Based Biocides
- ✓ Bronopol-Based Preservatives
- ✓ OIT-Based Dry Film Preservatives

Engineering Selection Parameters

- ✓ Product Formulation Type
- ✓ Microbial Challenge Level
- ✓ Required Shelf Life
- ✓ pH Range

Typical Applications

- ✓ Chemical transfer and circulation
- ✓ Acid & alkali handling
- ✓ Water and wastewater treatment
- ✓ Paints, inks, and coatings
- ✓ Food and beverage processing
- ✓ Pharmaceutical manufacturing
- ✓ Tank unloading and process transfer

- ✓ Formaldehyde-Free Preservation Systems
- ✓ In-Can Preservatives
- ✓ Algaecides & Fungicides
- ✓ Industrial Water Treatment Biocides

- ✓ Operating Temperature
- ✓ Regulatory Requirements
- ✓ Compatibility with Raw Materials
- ✓ End-Use Application

ANALYTICAL INSTRUMENTS

Precision Monitoring & Process
Control Solutions



TAES supplies industrial analytical instruments for continuous monitoring and control of critical water quality and process parameters across water treatment, chemical processing, power, pharmaceutical, and industrial applications.

Key Features

- Continuous Online Monitoring
- High Measurement Accuracy
- Real-Time Process Control
- PLC / SCADA / DCS Compatible
- Rugged Industrial Design
- Low Maintenance
- Reliable Performance
- Easy System Integration

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Product Range

- pH Analyzers
- ORP Analyzers
- Conductivity & TDS Analyzers
- Free Chlorine Analyzers
- Dissolved Oxygen (DO) Analyzers
- Turbidity Analyzers
- Controllers & Transmitters
- Online Water Quality Monitoring

Typical Applications

- Water & Wastewater Treatment
- Reverse Osmosis Systems
- Boiler & Cooling Water
- Chemical Dosing Systems
- ETP & STP Plants
- Process Water Monitoring
- Chemical Processing
- Industrial Utilities

Performance Range

Parameter	Capability Range
Parameter	pH, ORP, Conductivity, TDS, Chlorine,
Measurement	DO, Turbidity
Outputs	4–20 mA, Relay, Modbus, Rs485*
Mounting	Panel, Wall & Field
Protection	Up to IP67/IP68*
Communication	PLC, SCADA & DCS
Power Supply	24 VDC / 110–240 VAC*

*Model dependent

Performance Benefits

- Improved Process Control
- Reduced Chemical Consumption
- Enhanced Water Quality Monitoring
- Increased Operational Efficiency
- Early Process Deviation Detection
- Regulatory Compliance Support

Engineering Support

- Application Engineering
- Instrument Selection
- Automation Integration
- EPC Project Support
- Technical Consultation

REVERSE OSMOSIS (RO) MEMBRANES

High-Performance Membrane
Solutions for Industrial Water Treatment



TAES supplies application-engineered RO membrane solutions for brackish water, seawater, industrial process water, boiler feed, pharmaceutical, and utility water systems. Selected for high salt rejection, energy efficiency, and reliable long-term performance across industrial and municipal applications.

AVAILABLE FROM LEADING GLOBAL & DOMESTIC OEMs



Key Features

- ✓ High salt rejection efficiency
- ✓ Excellent permeate quality
- ✓ Energy-efficient operation
- ✓ Long service life
- ✓ Fouling-resistant design
- ✓ Retrofit & new plant compatible

Product Portfolio

- ✓ BWRO Membranes
- ✓ SWRO Membranes
- ✓ Low Energy RO Membranes
- ✓ High Rejection RO Membranes
- ✓ Industrial RO Membranes
- ✓ Municipal RO Membranes

SKID-MOUNTED CHEMICAL DOSING SYSTEMS

Skid-Mounted Chemical Dosing Systems

for Accurate Chemical Storage,
Preparation & Dosing



Skid-Mounted Chemical Dosing Systems are pre-engineered, factory-assembled units designed for the safe storage, preparation, dosing, and control of chemicals in industrial processes. These compact and plug-and-play systems simplify installation, reduce site work, and ensure reliable chemical dosing with minimal operational intervention.

TAES supplies customized Skid-Mounted Dosing Systems for water treatment, wastewater treatment, power plants, chemical processing, oil & gas, and industrial utility applications.

Key Features

- ✓ Compact, factory-assembled skid design
- ✓ Plug-and-play installation
- ✓ Integrated dosing pumps, tanks, piping, and instrumentation
- ✓ Manual or fully automatic operation
- ✓ PLC and SCADA integration available
- ✓ Corrosion-resistant construction
- ✓ Easy maintenance and operation
- ✓ Customized as per process requirements

Typical Applications

- ✓ pH Control Systems
- ✓ Chlorination & Disinfection
- ✓ RO & DM Plant Chemical Dosing
- ✓ Cooling Tower & Boiler Water Treatment
- ✓ Polymer Preparation & Dosing
- ✓ Coagulant & Flocculant Dosing
- ✓ Chemical Injection Systems
- ✓ Effluent & Sewage Treatment Plants

Standard System Components

- ✓ Chemical Storage Tank
- ✓ Dosing Pumps
- ✓ Calibration Column
- ✓ Agitator / Mixer (Optional)
- ✓ Level Switches & Sensors
- ✓ Pressure Relief & Back Pressure Valves
- ✓ Pulsation Dampener
- ✓ Flow Monitoring Devices
- ✓ Control Panel with PLC/HMI (Optional)
- ✓ Interconnecting Piping & Valves

Engineering Selection Parameters

- ✓ Chemical Type & Consumption Rate
- ✓ Required Dosing Capacity
- ✓ Storage Tank Volume
- ✓ Operating Pressure & Flow Rate
- ✓ Automation Level
- ✓ Material Compatibility
- ✓ Site Conditions & Hazardous Area Requirements

SUPPORTED OEM BRANDS

Trusted Solutions from Leading Global Manufacturers

TAES supports industrial projects with high-quality products sourced from globally recognized OEM manufacturers. Our product portfolio includes pumps, dosing systems, process equipment, analytical instruments, industrial preservatives, filtration solutions, and water treatment products selected to meet diverse process requirements across industrial applications. We provide application engineering, technical selection, and project support to help EPC contractors, OEMs, consultants, and end users identify the most suitable solutions based on their operating conditions and project specifications.



Note: Product availability may vary based on application requirements and project specifications.

Why We Support Multiple OEM Brands

- Wide product portfolio for diverse industrial applications
- Application-based product selection
- Multiple technology options
- Reliable and proven industrial solutions
- Technical support for EPC and industrial projects
- Flexible sourcing for project

OUR VALUED CLIENTS

Trusted by Leading Industrial Organizations

TAES is proud to support a diverse portfolio of customers across industrial, infrastructure, and process sectors. We are committed to delivering technically aligned solutions, responsive service, and reliable engineering support that help our clients achieve safe, efficient, and dependable operations. The organizations featured below represent a selection of customers who have trusted TAES for their industrial fluid handling, process equipment, water treatment, and engineering solution requirements.

OUR COMMITMENT

We value every customer relationship and strive to build long-term partnerships through technical expertise, quality products, reliable support, and timely project execution.

