



ProMinent®

SULZER

NETZSCH

IR Ingersoll Rand


Badger Meter Europa

Amenity Convenience

AMCON®



www.smartfluidtech.com / Hotline: +88 01720583323



Ready for you – Passionate Pioneers

ProMinent – The experts for metering technology and water treatment

Brilliant ideas, technical innovations on the one hand and pioneering spirit combined with passion on the other. The commitment to want to change something in the world with leading technology has made us established experts in metering technology and water treatment, worldwide.

ProMinent®

The ProMinent group of companies is based in Heidelberg and for over 55 years has been developing and manufacturing components and systems for metering liquids and solutions for water treatment and water disinfection.



Metering Pumps

ProMinent has boasted the world's largest range of metering pumps for over 50 years. These are used wherever liquids have to be added to a medium in a defined volume within a defined period of time.



Measuring, Control and Sensor Technology

Optimum metering depends on exact measured values. That's the reason for measuring, control and sensor technology from ProMinent.



Chemical Transfer Pumps

ProMinent chemical transfer pumps deliver efficient chemical transfer, transporting liquids from one container into another.



Reverse osmosis system Dulcosmose

Reverse osmosis system Dulcosmose® BW is the standard model for the modern desalination of brackish water. Equipped with the latest generation of "high rejection low-pressure" diaphragms, this system achieves maximum permeate output at moderate operating pressures, thereby lowering investment and operating costs.

Metering pumps, components and metering systems

METERING | MEASUREMENT & CONTROL | TREATMENT | DISINFECTION | IMPLEMENTATION



the new **gamma/ X**



ENERGY EFFICIENT RELIABLE SOLUTION FOR YOUR APPLICATION

60 years of experience in a wide range of industries and processes and 40 years of experience developing and manufacturing elastomers for NEMO® pumps led up to the development of complex bonded parts made of glass fibre, metal and elastomer for the housing inserts of our new generation of TORNADO® T2 rotary lobe pumps.



NEMO® Progressing cavity pumps

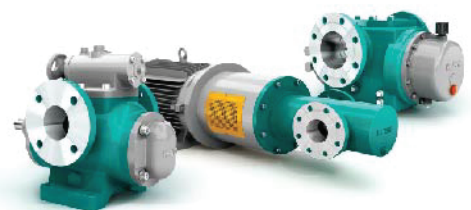
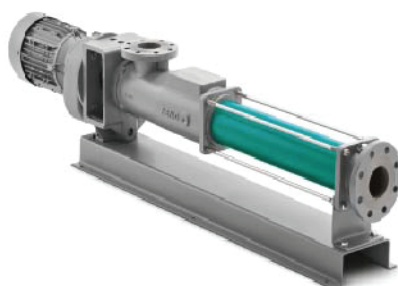
TORNADO® Rotary Lobe Pump

NETZSCH Dosing Systems

NEMO® Barrel Emptying Pumps

NETZSCH Macerators

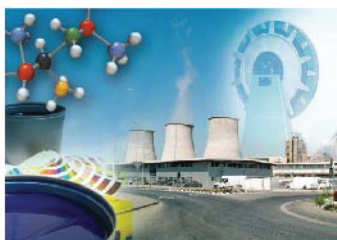
NETZSCH Accessories and
genuine Spare Parts



Business Fields



- Agriculture
- Biogas
- Construction Industry
- Electroplating
- Ship Chanders
- Wastewater Treatment
- Drinking Water Purification



- Biofuels
- Building Material
- Ceramics and Glass
- Chemical and Biochemical
- Explosives
- Leather/Tanneries
- Mining
- Paint and Varnish
- Pulp and Paper / Cellulose
- Automotive



- Bakery Products
- Beverages
- Breweries, Wine
- Dairies
- Fish and Meat Processing
- Fruit Processing
- Pharmaceutical and Cosmetic Products
- Sugar and Starch



- Single / Multiphase Oil Extraction
- Coal Bed Methane (CBM) Well Dewatering
- Coal Seam Gas (CSG) Well Dewatering



- On-/ Offshore
- Single / Multiphase Crude Oil Transfer
- Oil Processing (FPF)
- Refining Processing
- Petrochemicals



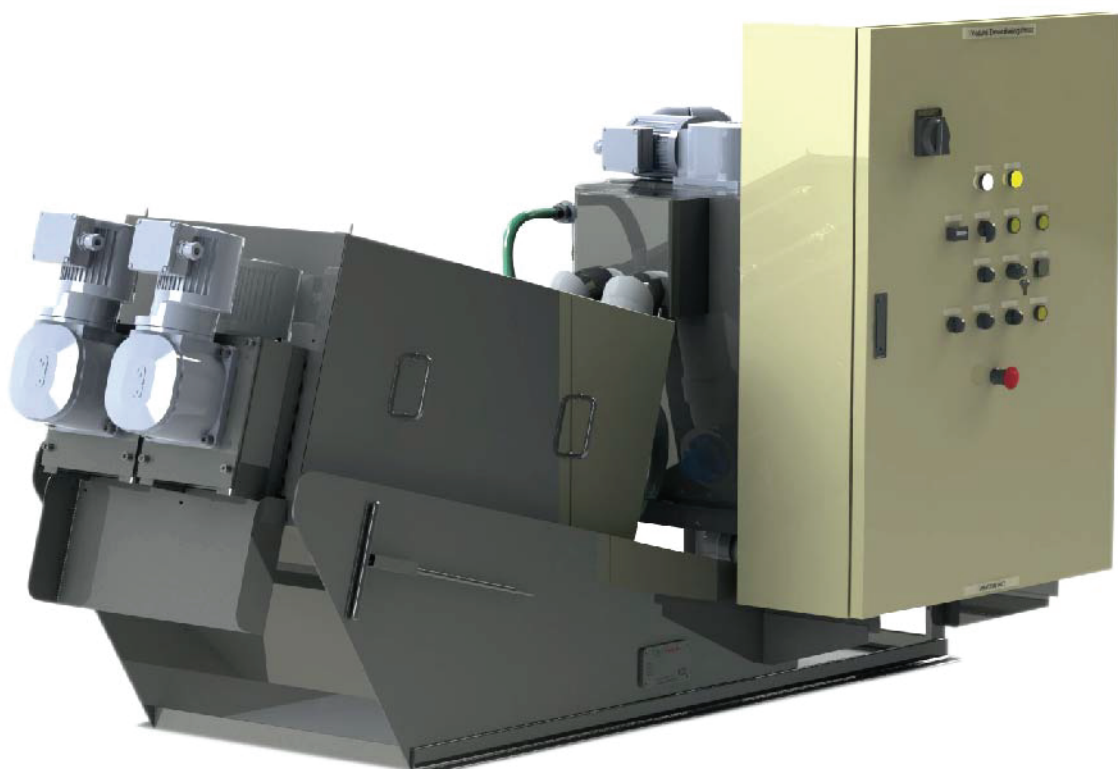
- Commissioning
- Maintenance
- Service
- Retrofit
- Technical Training
- Original NETZSCH Spare Parts
- Global Service Network



SLUDGE TREATMENT EQUIPMENT



VOLUTE®
***DEWATERING PRESS
AND
THICKENER***



VOLUTE®

In 1991, AMCON brought Volute into the world where nobody had ever seen such a unique filter element. AMCON's previous experience as an operator of sludge dewatering equipments and wastewater treatment plants urged us to develop a user-friendly machine.

Low noise / Low vibration

Because Volute has no rotating body with high speed, there is no concern about noise and vibration.

A comfortable work environment can be secured.

Expandable throughput

The throughput of Volute can be easily expanded with its Cylinder Unit.

We are ready to meet your expectation, "We want to be prepared for the increase of sludge in the future, but without too much increase in the initial cost..."

Two-year Warranty and After Sales Service

All products are accompanied with a two-year warranty.

We focus on after-sales service that makes the operator on site feels comfortable to operate and maintain.

After 10 years, we completed the development of Volute technology, the filter elements with multiple layered Rings. Continuous efforts for development and improvement of the technology are being made to make the facilities more user-friendly and convenient.

Comparison between noise of dewatering equipment and daily life noise

*Figures are based on research by AMCON



Additional cylinder (image)



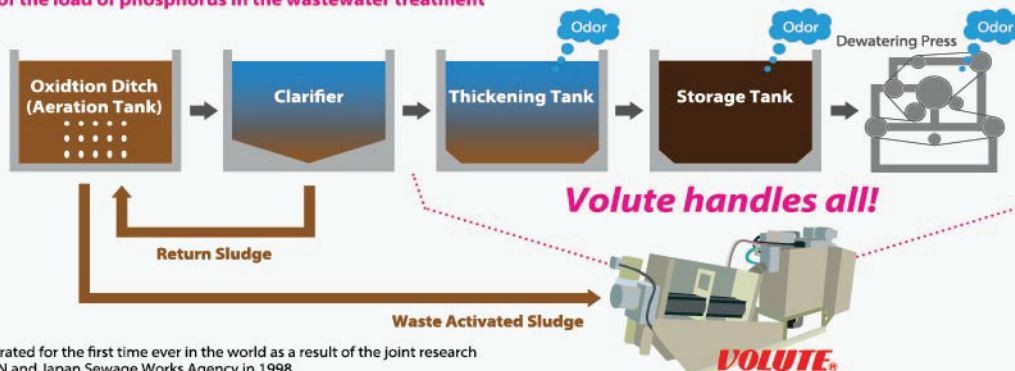
Revolution in sludge treatment Volute introduced - Direct dewatering from oxidation ditch* -

In the past times, sludge was commonly thickened before dewatering, but the development of Volute Dewatering Press, consisting of a filtering drum with both thickening and dewatering zone, changed this notion.

Thanks to the unique structure, Volute Dewatering Press can handle low concentrated sludge at 0.2% directly without any pre-thickening stage and is used in a great number of small-scale sewage treatment plants in Japan for dewatering sludge directly from oxidation ditch.

Advantages of direct dewatering from oxidation ditch

- 1, Reduction of investment costs for thickening and storage equipment and operation costs
- 2, Removing odor by dewatering fresh aerobic sludge
- 3, Reduction of the load of phosphorus in the wastewater treatment



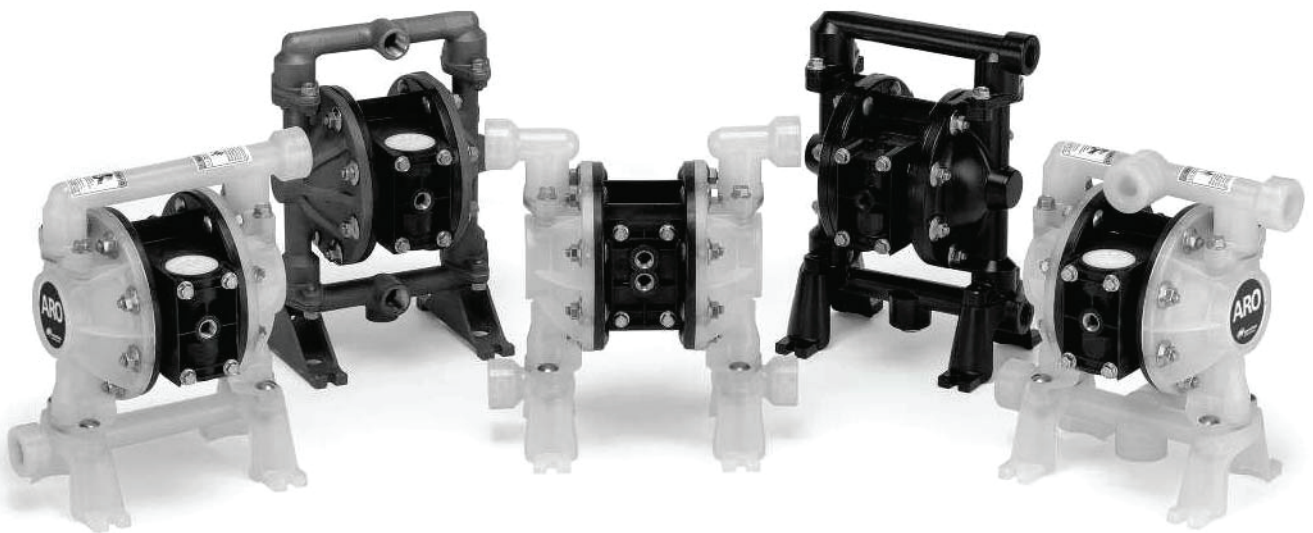
*Demonstrated for the first time ever in the world as a result of the joint research of AMCON and Japan Sewage Works Agency in 1998.

ARO

EXPert Series Diaphragm Pumps



Big Delivery. High-Performance.



Productivity

Maximized flow rates + Minimized pulsation and air consumption = Maximum Performance



Versatility

Multiple porting options available along with interface options allow you to customize this pump specifically to your OEM application.



Reliability

Lube Free Patented Differential Valve both on Major air valve and Simulshift (Pilot Valve) provides reliable Worry Free Operation – Fluid On demand every time



Environmentally Sound

Bolted Construction in conjunction with a wide range of material options provides maximum chemical and leak resistance



Serviceability

Modular Construction, reduced parts count and simple to use repair kits will minimize repair time and cost

Don't forget the other compelling reasons to use ARO Diaphragm Pumps: ARO Diaphragm pumps are simple to apply to your application because they are self priming and can be run at variable flows controlled by air pressure or fluid back pressure. They can handle materials that are abrasive and/or shear sensitive. They can also be run dry without damage to the pump.



About Sulzer Pumps



Sulzer, headquartered in Winterthur, Switzerland, since 1834, specializes in pumping solutions, rotating equipment maintenance and services as well as separation, reaction, and mixing technology. Sulzer Pumps Equipment designs, develops supplies pumping solutions and related equipment worldwide. intensive research and development in fluid dynamics, process - oriented products, and special materials as well as reliable service solutions help the company maintain its leading position in its **key markets: oil and gas, power, and water (including pulp and paper)**. The company has a network of 20 manufacturing facilities and more than 150 sales and service centers worldwide. A global leader in selected markets, Sulzer Pumps Equipment had an order intake of CHF 1726 million in 2014 and employ around with around 7, 365 people worldwide.

For more information, **visit www.sulzer.com**

As a leading supplier of pumps, mixers, agitators and aeration equipment, we supply a wide range fo products and services, providing our customers with solutions to challenging problems and improving the efficiency of their processes.

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WATER (Municipal & Dewatering)

Clean water is essential to the people and environments world over. Sulzer plays a major role in returnig clean water to its source through a wide range of pumps and related equipments for water production, transportation as well as wastewater collection and treatment, We also xover the specific needs of storm water, domestic and commercial wastewater, construction and mine dewatering.

Sulzer's innovative solutions ensure performance, reliability, safety, superior energy efficiency, future proof design and true life cycle economy. We do this through leading motor technologies, advanced hydraulic designs, innovative construction. Premium-efficiency IE3 motors are standard.

Sulzer offers the most up-to-date range of:

- | | |
|---|---|
| • Submersible Sewage Pumps | • High Speed Turbocompressors / Blowers |
| • Submersible Mixers | • Propeller, Mixed Flow Column Pump |
| • Submersible Flow Boosters | • Submersible Aerators and Diffusers |
| • Submersible Light Weight Dewatering Pumps | • Maccerators and Screw Pumps |





Badger Meter Europa



Every drop counts.

SMART WATER IS : BADGER METER

Badger Meter Europa GmbH is a wholly owned subsidiary of Badger Meter, Inc., USA, based in Milwaukee, Wisconsin. With sales of more than 378 million Euro and the dedication of more than 1630 employees all around the world, Badger Meter is a leading marketer and manufacturer of flow measurement and control devices since 1905. Badger Meter was a pioneer in flow measurement and can look back today at many patents in that field.



Electromagnetic Flow Meter

The electromagnetic flow meter ModMAG® M1000 has been designed to fit into the MAG meter series and especially for applications in machinery plants, vehicles and batching processes.

The applications range from DN 6 to DN 500 with the most various process connections like DIN flanges, dairy pipe connections, TriClamp®, etc.



Vortex Flow Meter

The VN2000 Hot Tap Insertion Vortex Flow Meter measures the volumetric flow, mass flow rate or BTU/energy of steam, gas or liquids over a large flow range. The meter is a heavy duty design engineered to stand up to the most abusive environments inside and outside the pipe.



Ultrasonic Open Channel Flow Meter

The iSonic 4000 is an intelligent and versatile ultrasonic meter / controller designed to measure level, volume and open channel flow.

It is used for influent and effluent measurements, flow control and data logging.



Coriolis mass meter type RCT 1000

The Coriolis RCT 1000 enable the measurement of mass and volume flow, density, concentration and temperature with a single measuring instrument. It is also well-proven for lime milk density measurement. Other typical applications are the dosing of expensive biocides and high-precision fuel supply to burners in power plants where an important increase in efficiency is achieved through direct fuel mass flow measurement.



Hedland® flow transmitter flow alert switch

The flow alert switch flow meters are rugged, longterm variable area flow meters for measurement of flow volumes. This product provides a local flow indication and automatically signals the operator or PLC if flow is too high or too low. Special scales are available according to customers request. Flow alert flow meters are available in single switch, double switch, reed switch and micro switch versions. There is no need for flow straighteners or special piping requirements.



Dynasonics® TFX Ultra®

TFX Ultra® ultrasonic flow and energy meters clamp onto the outside of pipes and do not contact the internal liquid. The technology has inherent advantages over alternate devices including: low-cost installation, no pressure head loss, no moving parts to maintain or replace, no fluid compatibility issue, and a large, bi-directional measuring range that ensures reliable readings even at very low and high flow rates.

Contact



Developing an appropriate solution with exclusive technical knowledge is the key to our business and as part that we conduct extensive pilot study to provide customized systems for our client together with continuous support from membrane producers around the world. Specially tailored membranes are used to suit pacific

process application requirement. We are ready to help you with our innovative treatment systems. Our company is created at the time when the need for an appropriate filtration and separation processes is becoming more and more necessary to improve product quality, reduce waste and minimize operating cost.

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