

WILO *EMU*
Pumpen Intelligenz.

Pumping and Mixing Technologies

Product Overview



The WILO EMU Team

WILO EMU provides its municipal and industrial customers with pumping and mixing answers based on decades of experience and hands-on know-how—we call it “Pumpen Intelligenz”. In addition, WILO EMU delivers high-quality and innovative products, as well as, reliable service.

WILO AG is a worldwide leader in the development and marketing of high-quality pumps and pump systems for heating and cooling, air conditioning, water supply, wastewater disposal and wastewater treatment. WILO AG has a proven track record in the industry and has been a reliable partner for

municipal water supply and distribution for more than 50 years. With the integration of the EMU Unterwasserpumpen GmbH, a company of comparable tradition and culture, WILO EMU and its 4,000 employees and 44 global marketing companies has dramatically expanded its pump technology expertise for your benefit.

That’s why, today, WILO EMU is, without question, your best source for engineering, technology, reliable pumping and mixing systems, and hands-on service.



WILO AG Oschersleben, Oschersleben, Germany



WILO PUMPS LTD., Gyeongnam, Korea

WILO EMU

WILO EMU, Hof, Germany



WILO AG, Dortmund, Germany



Pompes Salmson S.A., Laval Ced x, France



WILO INTEC, Aubigny sur N re, France



WILO EMU. Always The Best Choice In The Long Run.



WILO

EMU

WILO EMU sets the standard for municipal and industrial applications in both technical performance and efficiency.

The wide range of WILO EMU products are supplemented by service centers throughout North America and around the world.

WILO EMU products consistently meet the high reliability standards needed by municipal and industrial users and are designed environmentally friendly, as well.

WILO EMU provides sophisticated engineering solutions with special attention to what is technically feasible as well as to what is economically beneficial.

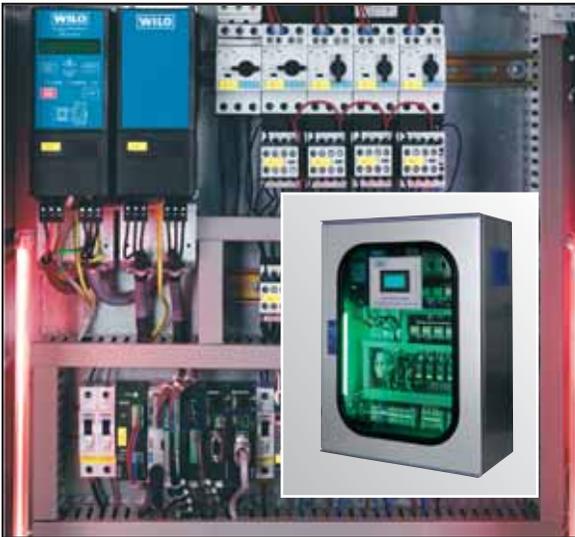
The WILO EMU team can provide you with professional answers to all of your questions in the following areas:

- **Water Supply**
- **Booster Stations**
- **Wastewater Disposal**
- **Wastewater Treatment and Sewage Systems**
- **Sewage Pumps**
- **Mixers**



Pumpen Intelligenz.

WILO EMU – The Leader in Pumping and Mixing Advances.



Modern pump and system control with remote control capabilities

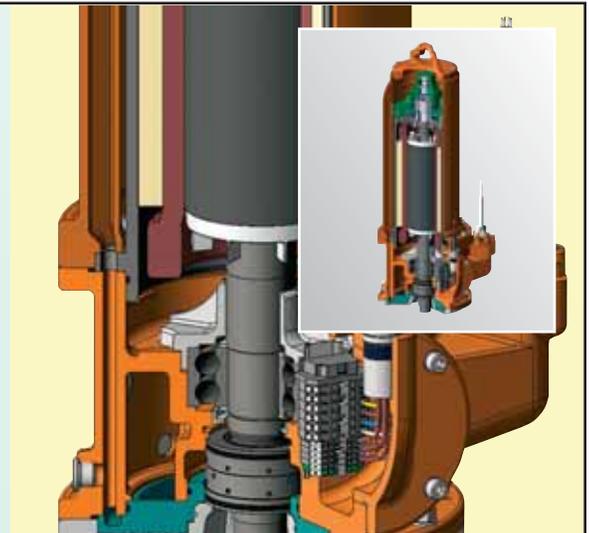
The new generation of WILO EMU control units and control cabinets combines the newest control functions with proven electro-technology.

- Fast and accurate support in the event of a fault
- Precise and reliable control and monitoring system
- Remote maintenance via modem, GSM/GPRS, UMTS

New generation of motors

The HC motor is a submersible motor with a cooling system that is hermetically sealed and magnetically coupled.

- Operational reliability by mechanical shaft seal monitoring and leak chamber monitoring
- The pumped medium does not penetrate the coolant circuit
- High load capacity



PE shaft pump stations for sewage and wastewater technology

PE and PVC shaft pump stations combine flexibility with reduced installation cost with:

- Quick installation
- Universally applicable (covers A, B and D)
- Longest periods of operation, even at low pH values



Submersible wastewater pump

Rapidly changing wastewater technology requirements demand new technologies and low-cost solutions that do not compromise service life and reliability!

- Maximum flexibility due to modular system
- Cost-value optimized products for high process stability
- Operating safety and long service life due to long standing installation and construction experience

CERAM material processing

The highly efficient 2K layer with polymers and ceramics combines excellent corrosion protection with high-quality protection against abrasion.

- Increase in efficiency due to reduced surface roughness
- Long service life of the pump installation
- Alternative to rustproof substances



Submersible mixers

Functionally and technically optimized submersible mixers for economic use.

- Complete service from the software-supported system design, to on-site service
- Applications for different basin geometries
- High economic efficiency due to optimized operating efficiency



Catching hook

New accessories for lifting and lowering submersible mixers.

- Safe coupling and decoupling by catch hook guide mechanism
- Simple separation of catch device and submersible mixer by spring-operated detaching lever
- High corrosion resistance due to reduced contact with medium

Cost reduction due to the use of solid separation systems

The wastewater pumps are used efficiently by filtering out the solids and by the immediate backwashing of the filters.

- No danger of pump blockages due to pre-filtering unit
- Saving of costs due to pumps with optimized efficiency and small throughput
- Reduction of investment and operating costs due to smaller pumps and switching systems



Recirculation pumps

Technically optimized recirculation pumps are used for numerous applications.

- Pumping of wastewater in municipal and industrial sewage plants
- Decomposition of ammonium nitrogen in the wastewater is supported
- Flow channels in amusement parks



Comprehensive support at conveniently located service centers

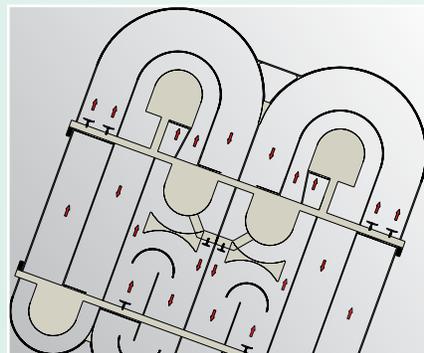
Providing fast support for any and all problems concerning your pumps and systems.

- Qualified specialist personnel
- Personal contacts
- Always available by electronic standby with quick call back guaranteed

Optimum software for your selection of pump and mixing technology

Planning software for your selection of pumps and submersible mixers and for the documentation of projects.

- Fast and uncomplicated
- Extensive selection of products and accessories



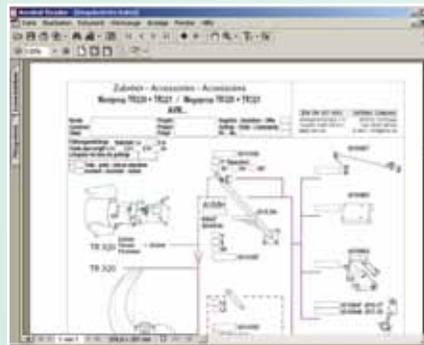
- DXF data records for the integration in CAD programs for planners and engineers



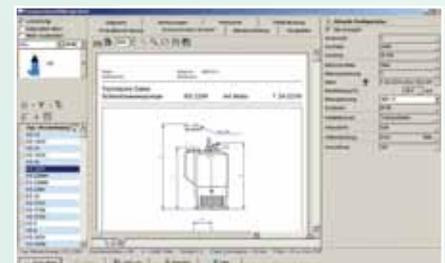
- International application by multilingual change over



EMU Mixer Select
Project knowledge is the only requirement



EMU Mixer Select
Data sheets for technical documentation



EMU Select 3.0
Detailed information on each pump, drawings as dxf can be easily included in CAD-programs.

WILO EMU. Chosen For Use In The Toughest Applications, Worldwide.

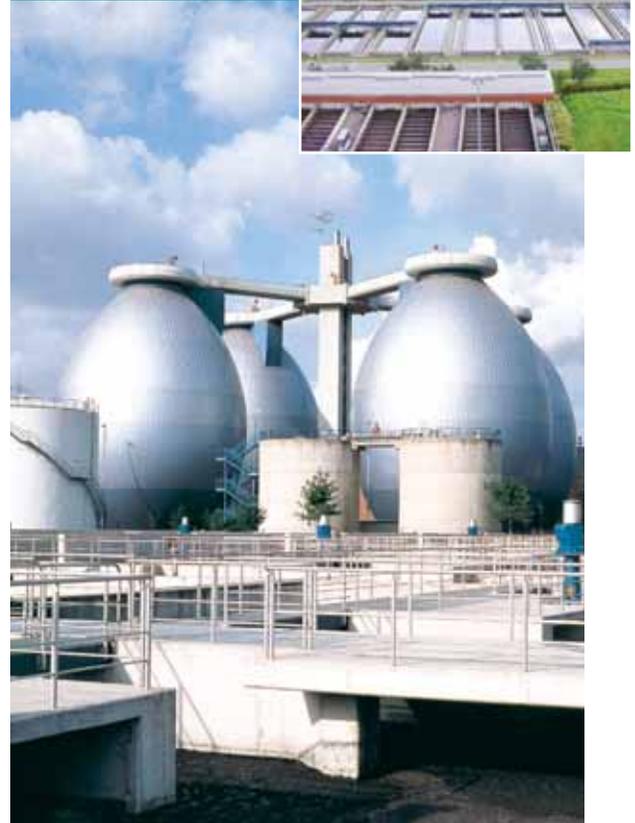
Vietnam



A storm water retaining basin of several square kilometers in size, complete with pumping station built to protect Vinh City from periodic floods.



Germany



The special challenge of the station in Bottrop was the total size. It was designed for a population equivalent to 1.34 million and a catchment area of approximately 240 km². The water inflow quantity in dry weather is approximately 4.25 m³/s and 8.5 m³/s in rainy weather.

Germany



In Büsum, the company Ecomares has operated a marine fishing farm on the basis of seawater and freshwater aquacultures with a highly technological recirculation plant.



Switzerland



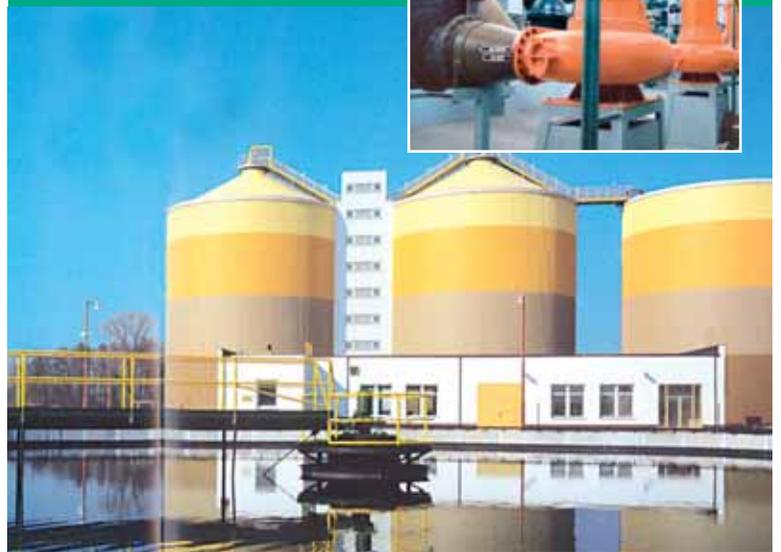
For the company building AlpTransit Gotthard in Switzerland WILO EMU supplied 5 sewage pumps, type FA 30.38 + T49 motor, with a total weight of 13 tons. The base tunnel at the Gotthard is the heart of the future-oriented new level-roadway across the Alps.

North America



EMU pumps and mixers have been in constant use in North America for well over three decades. This areas numerous installations are supported by a comprehensive network of service facilities. Strategically located warehouses allow fast delivery of virtually all products.

Czechia (Czech Republic)



In Hradec Králové, a new sewage treatment plant was built which receives and cleans the municipal and industrial sewage of the city and the surrounding communities. All sewage is collected in a tunnel (DN2800) with a depth of approximately 28 m. This tunnel transports the sewage into the sewage treatment plant.

China



32 MaxiProp-Submersible Mixers, type TR 221.45-4/8R, including the respective auxiliary lifting devices were provided for use in the sewage treatment plant JINAN No. 2. The plant has a capacity of 200.000 m³/day.

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WILO-EMU USA LLC

Post Office Box 7810
Thomasville, GA 31758-7810
170 Big Star Drive
Thomasville, GA 31757

Toll Free Phone: 866-476-0323

Toll Free Fax: 866-293-4348

E-mail: info@wilo-emu.com

Website: www.wilo-emu-usa.com

One Call Does It All: 1-866-476-0323

**Comprehensive On-Site Service for
Pumps and Mixers**

