

**Solids-Handling EMT Class
Pumping and Mixing Technologies**

Product Overview

For Industrial Applications



**Extended
Mean Time
Duty**

Engineered and Manufactured To Out-Live Ordinary Pumping and Mixing Technologies



Silicon Carbide Seals

Heavy Slurries Up To The 30% Solids By Wt. Range.

Fly Ash, Coal, Mill Scale, Limestone, Sand, Fish and FGD Slurries, etc.

Ideally Suited for Abrasive/Corrosive Slurries

WILO EMU provides a comprehensive line of pumps and mixers designed, engineered, and built from the ground up—exclusively in WILO EMU facilities—to provide Extended Mean Time duty in the toughest of industrial applications.

EMT capabilities are ensured with minimal shaft overhang/deflection, maximum heat dissipation, a secure cable entry, and proprietary motor design. Exclusive EMT capabilities from WILO EMU allow you to predict maintenance cycles with greater accuracy, reduce nuisance alarms, and greatly extend the mean time between maintenance cycles.

WILO EMU Solids-Handling EMT Class pumps are available for applications needing as little as 20 GPM at 30' TDH, to applications requiring 25,000 GPM at 35' TDH or (depending on your requirements) 200 GPM at 280' TDH, to 2,000 GPM at 417' TDH—and virtually everything in between.

Superior Motor Protection

Sealing of the shaft, by two mechanical shaft seals, provides superior protection to the motor. Seals are made of silicon carbide and are mounted in a tandem arrangement with an intermediate oil chamber. An exclusive entry cable design totally isolates motor from moisture intrusion.



Long-life borehole pumps are available for dewatering applications: up to 600 GPM at 1,360' TDH



Investment Protection

Rarely Needed, But Always There For Your Peace-of-Mind.

WILO EMU. Always The Be



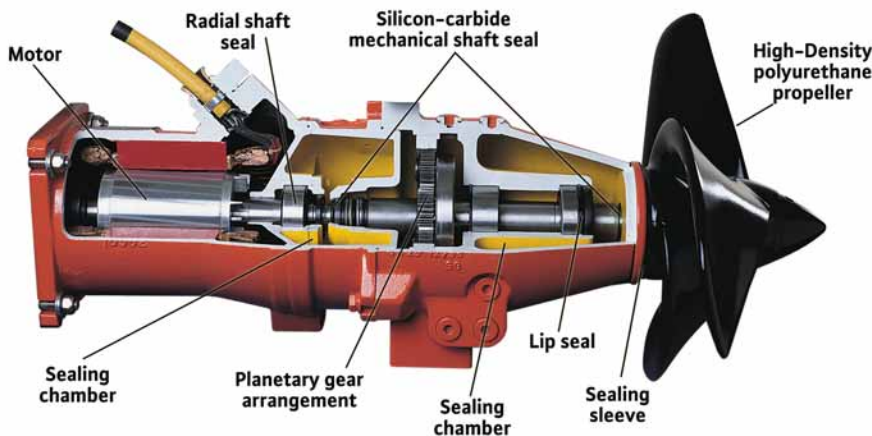
The Industry's Most Durable Submersible Mixers/Agitators

WILO EMU mixers employ energy-saving engineering methods, which also contribute to long-life operation. Silicon carbide mechanical shaft seals and a two-part cable entry system (with isolated stator) protect components from intrusion and premature failure.

WILO EMU mixers incorporate an advanced planetary gear arrangement that allows mixing speeds to be set for

specific mixing applications with precision. Compound-curve propellers provide the efficiency benefits of true airfoil design. In addition, props are molded of high-density polyurethane and are guaranteed to be "rag-free".

WILO EMU mixers are available in high, medium, and slow speed configurations.



Advanced Heat-Transfer

Thermo-Centric™
Engineering Transfers Heat
Away From The Motor,
Insuring Long-Life.



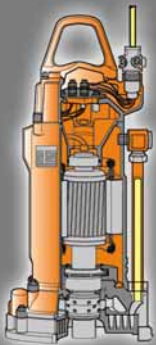
Enclosed Block Seal

Minimizes Shaft-Length,
Decreases Deflection
Silicon Carbide Last 2-1/2
to 3 Times Longer Than
Tungsten Carbide Seals.

Best Choice In The Long Run.

Extended Mean Time Options

Motor Options



Oil-Filled



Glycol-Filled



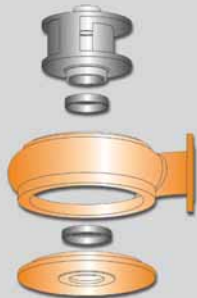
Air-Filled



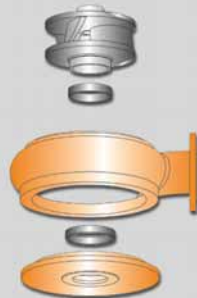
Installation Options

- Portable Wet Pit
- Retrievable Wet Pit
- Dry Pit (Suitable for flood-prone areas and washdown convenience)

Hydraulic Options



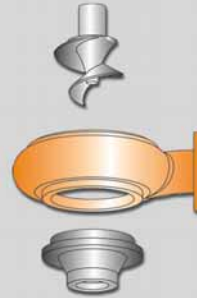
Single-channel Impeller
High Efficiency/Large Sphere



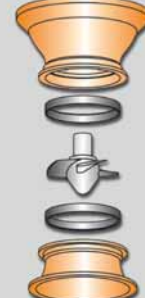
Multi-channel Impeller
High Efficiency



Vortex-type Impeller
Large Sphere



Screw Impeller
Viscous Fluids, Low Shear,
Live Fish



Propeller-type Impeller
High Flow/Low Head



Mixer Head



Added Corrosion Protection

CERAM® is a cost-effective ceramic impregnated, elastomer coating developed by WILO EMU. It has proven to be extraordinarily effective in preventing abrasion/corrosion common to industrial applications.



Added Wear Protection

ABRASIT® provides superior wear protection and has proven to last seven times longer than cast iron in abrasive conditions. ABRASIT is available for all contact faces. ABRASIT is a hardened material with more than 25 percent chrome content.

Other metal options available, depending on abrasive/corrosive nature of the slurry.