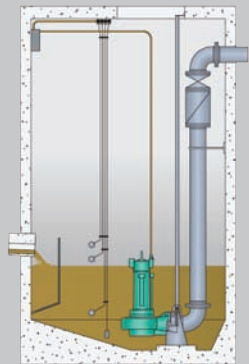


Wilo FA Series

Submersible Sewage Pumps

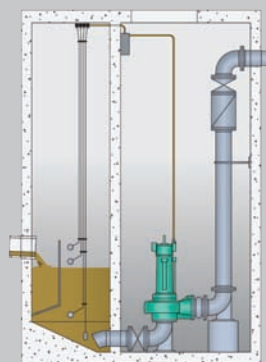
Product Brochure





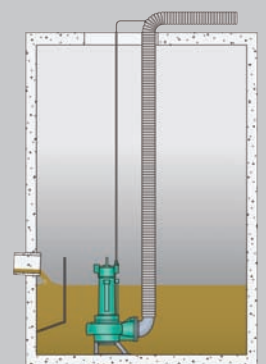
Wet Sump Installation

- » Low costs for lift station and assembly
- » Low space requirement for the pumps
- » Service-friendly installation and removal thanks to suspension device
- » Motor is cooled by the pumped media



Dry Sump Installation

- » Accessible pump chamber
- » Pump can be monitored during operation
- » Quick repairs under hygienic conditions
- » Pump remains in operation in case of flooding
- » Internal cooling system, external cooling not required

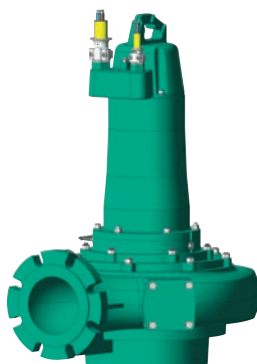


Transportable Installation

- » Deep, narrow shafts
- » Shallow basins
- » Dewatering on construction sites
- » Industrial and municipal sewage disposal
- » Sewer renewal

Wilo Motors FK, HC, FKT, & T Motors

FK Motors



FK motors feature an oil-filled motor chamber. By means of an internal oil circulation cooling system, the heat produced by the motor is dissipated to the pumped media via a heat exchanger. The type FK 17.1 of this series is available in explosion-proof design.

Advantages:

- » Continuous operation in wet and dry sump installation
- » Draining wet well to very low level is possible
- » Cooling independent of the type of pumped media
- » Room ventilation not necessary in the event of dry sump installation
- » Sump volume can be reduced, resulting in lower construction costs

HC Motors

HC motors are air filled with a closed loop water/glycol cooling system. The heat of the motor is dissipated to the pumped liquid by the cooling liquid – driven by a magnetic coupling – by means of a highly efficient heat exchanger. This series is available in explosion-proof design.

Advantages:

- » 2-chamber system – therefore control of both mechanical shaft seals possible
- » Separate leakage chamber, high process security
- » Cooling system hermetically sealed, no penetration and leakage of liquid possible
- » Same advantages as the FK-motor



FKT Motors



FKT motors are air filled with a closed loop water/glycol or oil cooling system. The motor heat is dissipated to the pumped media via a heat exchanger.

Advantages:

- » Continuous operation in wet and dry sump installation
- » Draining pump sump to very low level is possible
- » Cooling independent of the type of pumped media
- » Room ventilation not required in the event of dry sump installation
- » Sump volume can be reduced, resulting in lower construction costs
- » Most available in explosion proof design

T Motors

Air filled T motors are cooled when submerged in the surrounding pumped media. Here, the motor waste heat is emitted directly via the casing, to the pumped medium. The types of this series are available in explosion-proof design.

Advantages:

- » Competitive solution
- » Separate cooling system not required

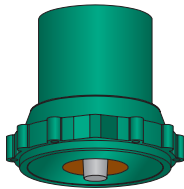


**More details available upon request*

Wilo Impellers

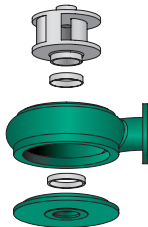
Modular system impellers

Modular System



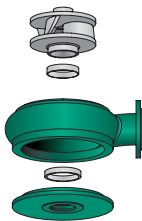
- » Multiple combinations of pump ends and motors to fulfill the requirements of each project.

Single-Channel Impeller



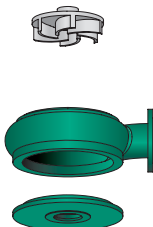
- » Low to medium capacity at medium to high heads
- » Raw unscreened sewage and dewatering applications
- » Return and Waste Activated Sludges and recycled sludge with up to 8% solids

Multi-Channel Impeller



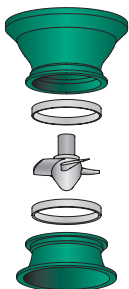
- » Raw unscreened sewage of larger pumps
- » Screened wastewater and sludges, storm water and drainage applications.

Vortex-Type System



- » Raw unscreened sewage and dewatering applications
- » Raw and digested sludges with up to 8% solids
- » Best in solids passage and abrasive duty

Propeller-Type System



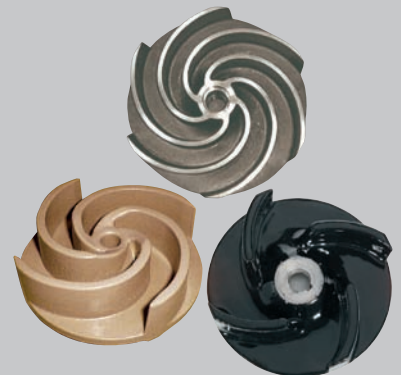
- » High capacity at low heads
- » Storm water, irrigation and well screened wastewater
- » Return sludge and recycle of activated sludge in wastewater treatment plants



Wilo Block Seal

Mechanical shaft seals of high wear-resistant silicon-carbide at the motor and pumpside integrated in a stainless steel cartridge

- » High wear and corrosion resistance
- » High operation safety
- » Long working life
- » Operation not dependent on the direction of rotation



Special Materials

- » Wear-resistant materials and coatings
- » Corrosion-resistant materials and coatings
- » Ceram coatings



Special Designs

- » Mechanical mixing head
- » Grinder pumps
- » Cast stainless steel

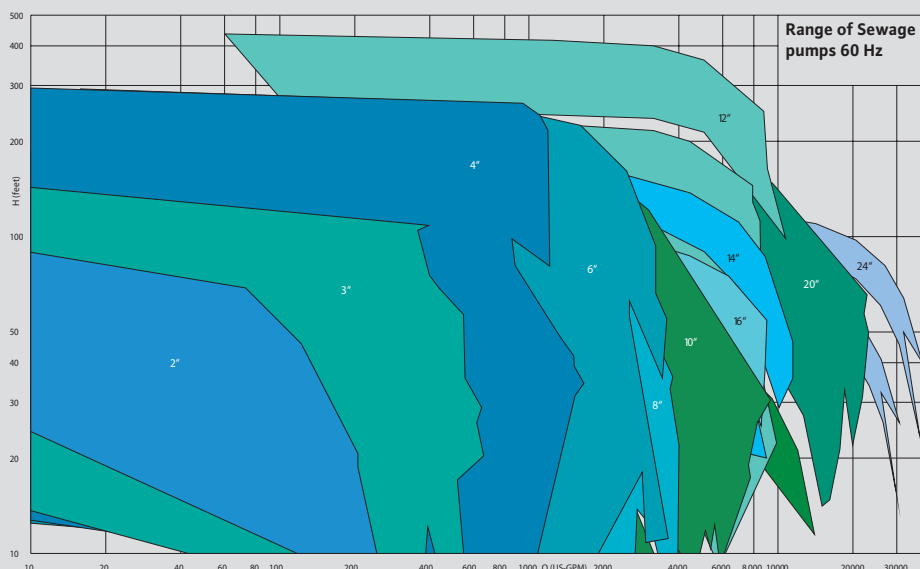
Wilo FA Series

Submersible Sewage Pumps

Applications Include:

- » Sewage Collection
- » Storm Water
- » Raw Water
- » Sewage Treatment
- » Dewatering
- » Industry

Wilo FA Series



All FA pumps are shipped from our manufacturing facility in Thomasville, GA.



WILO USA LLC

Toll-Free: 888-945-6872
Web: www.wilo-usa.com
Email: info@wilo-usa.com

WILO Canada Inc.

Toll-Free: 888-945-6236
Web: www.wilo-canada.com
Email: info@wilo-canada.com



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