Pioneering for You

Product information for consultants and operators

Wilo-Rexa,
simple and flexible.

A perfect system:
The modular system of the Wilo-Rexa series makes it easier for me to plan and select products

Complex requirements require simple solutions.

This principle is especially true for the use of submersible sewage pumps. The movement to renewable energy has also changed the consumers' behaviour: saving water is now a much more important aspect.

For wastewater transport this means that there is more and more solid material but less conveying fluid. For example, an increase in the proportion of grease due to changes in eating habits as well as additional solid materials due to the use of tear-proof paper towels.

Modern submersible sewage pumps must also be able to withstand extreme weather situations with heavy rain fall.

The effects of climate change also mean additional international requirements with regard to CO_2 reduction. This requires efficient solutions that take all components into account, but that remain plannable and economical.

Our engineers have used their in-depth knowledge and many years of experience in this area to further develop our current submersible sewage pumps:
Wilo-Rexa – the Wilo pump system of the future.

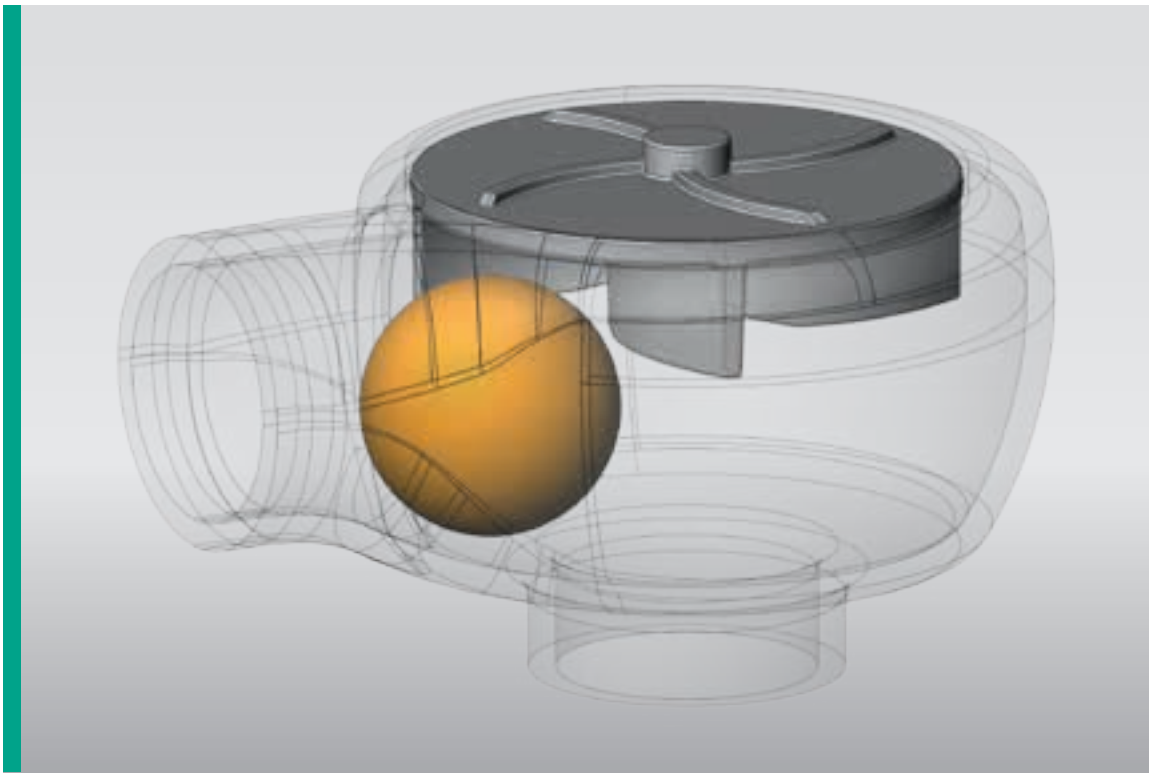
As simple as it is flexible – the modular system principle.
The Wilo-Rexa pump series was developed from scratch. It is based on a modular principle that reduces the number of main components – motor, hydraulics, accessories – to create an extremely flexible system. Its reduced complexity also lowers the effort required for planning and product selection. This means an optimal solution is available to you for all important areas of application and use.

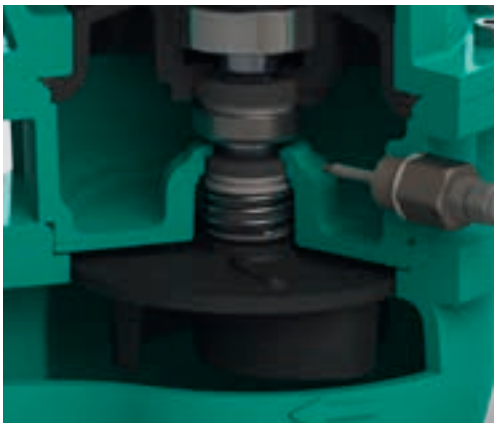
The results of the Rexa modular system are the Wilo-Rexa FIT, an economical and immediately available standard solution, and the Wilo-Rexa PRO, available as a standard product and as a configurable system for individual requirements. Both systems feature optimum harmonisation of the motor and hydraulics, high reliability of all components and low energy consumption.

The Wilo-Rexa series is suitable for pumping
→ Wastewater and sewage
→ Sewage containing faeces and sludge

Maximum reliability and energy efficiency
for every application area.

Maximum reliability in all fields of application: thanks to vortex impellers that are non-susceptible to clogging and large free ball passage





Increased safety thanks to high-quality motor sealing with two independently acting mechanical seals

Increased energy efficiency thanks to high hydraulic efficiency and optional IE3 motor technology

Wilo-Rexa FIT,
the transportable one

The economical solution also for standard applications: set-up, connect, and it's ready to go. Wilo-Rexa FIT is submersible, for portable and stationary wet well installation. The pump has a stainless steel motor housing, which includes thermal motor monitoring, an oil barrier chamber with two high-quality mechanical seals for separation from hydraulic parts, and an operationally reliable vortex impeller. This makes Wilo-Rexa FIT the perfect solution for most applications.

Ideally suited for
- → Intermittent operation in building and site drainage
- → Drainage and sewage from sumps
- → Applications requiring portability

Fast and reliable
- → Available from stock at any time, ready-to-plug and immediately ready to go
- → Simple handling, since no additional level control is necessary
- → Reliable vortex hydraulics with large free ball passage for operation that is non-susceptible to clogging
- → Economical design with stainless steel motor housing

Wilo-Rexa PRO,
the reliable one

The professional system for individual applications: configurable according to your requirements. Wilo-Rexa PRO comes standard-equipped with explosion protection and is suitable for permanent operation. The pump is made from heavy-duty cast iron and standard-equipped for operation with a frequency converter. Wilo-Rexa PRO thus combines the highest efficiency with flexibility and exemplary operational reliability.

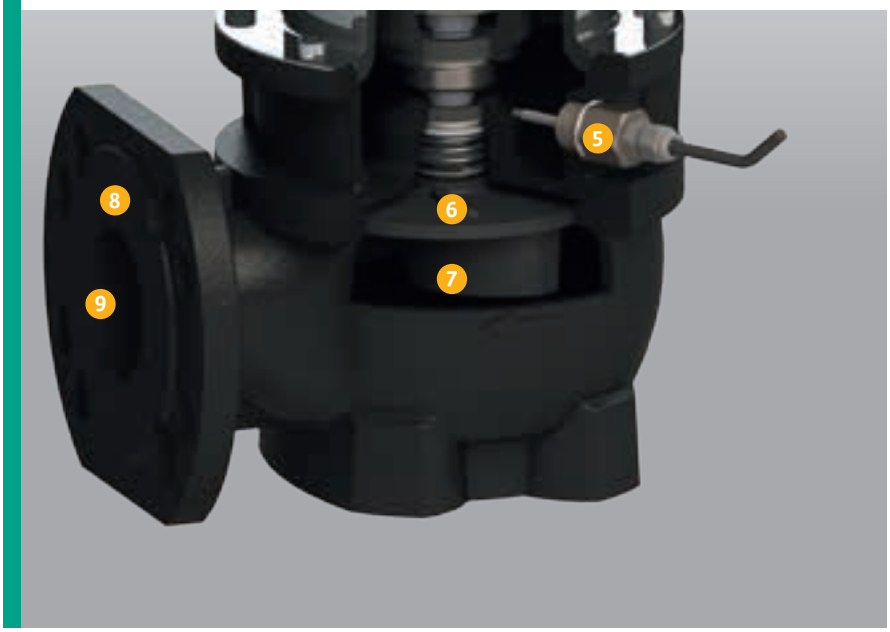
Ideally suited for
- → Disposal of discharge water or wastewater or drainage and sewage from pumping stations, sumps and basins
- → Rain spillway basins
- → Intermittent or continuous operation in wastewater treatment plants

Professional and efficient
- → Reliable vortex hydraulics with large free ball passage for operation that is non-susceptible to clogging
- → Heavy-duty design for nearly any application
- → Optionally with energy-efficient IE3 motor technology
- → Pluggable, longitudinally watertight motor cable for maximum safety with minimal effort
- → Heavy-duty design entirely in cast iron

Two pumps, one principle
take a look at the features.

Wilo-Rexa PRO

Wilo-Rexa FIT

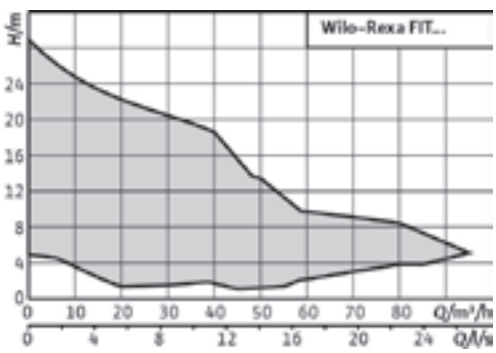


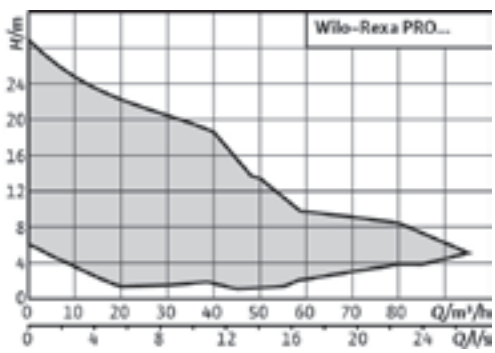
1. Detachable, pluggable motor cable
2. Float switch
3. Running capacitor 1~ internal
4. Pluggable, longitudinally watertight, sealed cable inlet for absolute protection against moisture in case of cable damage (= Wilo-developed)
5. Oil barrier chamber accessible from outside, retrofittable with sealing chamber monitoring
6. Standard-equipped with two independently acting mechanical seals
7. Vortex hydraulics non-susceptible to clogging
8. Combination flange*
9. Free ball passage = pressure connection
10. Standard-equipped with explosion protection (Rexa PRO)

*Depending on type.

Technical data (50 Hz)	Wilo-Rexa FIT	Wilo-Rexa PRO
Max. delivery head H	28 m	28 m
Max. volume flow Q	28 l/s 94 m³/h	28 l/s 94 m³/h
2-pole with pressure connection	DN 50 PN10 DN 65/DN 80 PN 10	DN 50 PN10 DN 65/DN 80 PN 10
4-pole with pressure connection	DN 65/DN 80 PN 10 DN 80/DN 100 PN 10	DN 65/DN 80 PN 10 DN 80/DN 100 PN 10
Motor housing	AISI 304	EN-GJL-250
Cable	H07RN-F detachable via plug	H07RN-F detachable via plug
Capacitor 1~	internal	external box
Float switch 1~	built-in	external box
Explosion protection	no	yes
Gasket on motor side	Carbon/steatite	Carbon/steatite
Gasket on pump side	SiC/SiC	SiC/SiC
Material, pump housing	EN-GJL-250	EN-GJL-250
Material, impeller	EN-GJL-250	EN-GJL-250
Impeller type	Vortex impeller	Vortex impeller
Free ball passage (mm = DN)	50/65/80 mm	50/65/80 mm
Winding temperature monitoring	Bimetal sensor, at 1~ with automatic reactivation	Bimetal sensor (optional with PTC sensor)
External sealing chamber control for oil barrier chamber	optional as accessory	optional as accessory
Longitudinally watertight cable inlet	–	•
Integrated leakage detection for motor compartment	–	•
Immersed operating mode	S1	S1
Dry-installed operating mode	S2 15 min./S3 10 %	S2 30 min./S3 25 %
Suitable for FC operation	–	•
Ceram coating	–	•

• = yes, – = no





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