

Pioneering for You

wilo

Pumps and Pumping Systems

Solutions for Water Management





For 150 years Wilo has moved water to move towards a better future. We know what it takes to tackle today's challenges and to drive tomorrow's trends. Our products, systems, solutions and services help you to:

- increase operational reliability,
- exceed environmental requirements,
- increase energy efficiency,
- simplify commissioning.

Experience our high-efficiency pumps for residential and commercial buildings. Learn more about intelligent product features like the setting assistant, Multi-Flow Adaptation or continuous temperature monitoring. And see for yourself how easy and convenient remote access is via the Wilo-Assistant app and various communication interfaces – even when you're on the move.



Pioneering for You

wilo

revolution
ecologic innovation
economic
ecolution
solution revolution ecologic
economic solution
innovation

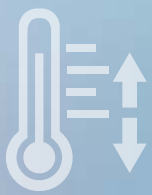


Who we are

Founded in 1872 as Kupfer- und Messingwarenfabrik in Dortmund, Wilo has evolved from being a local specialist to a global player. As the majority shareholder with a stake of approximately 90 percent, the Caspar Ludwig Opländer Founded ensures the company's continuity and independence. An uncompromising customer-driven mind-set, immediate market proximity and, in particular, our culture of innovation have made us who we are: one of the worldwide leading manufactures of high-tech pumps and pump systems.

What we are

Wilo is a premium supplier in the field of building services, water management and industry. This leading position drives us to maintain our superiority. For our customers, we make complex technologies user-friendly, simple to operate energy-efficient and powerful. The main focus of our activities is therefore on the people. We offer them outstanding products, system solutions and services. In this spirit, our brand promise "Pioneering for You" stands for maximum quality of life.



Building Services

In order to maximise the efficiency of buildings, it is becoming increasingly important to use innovative and energy-saving systems incorporating components that are optimally matched to one another. This applies to detached and semi-detached houses, public buildings, industrial buildings, office buildings, hospitals and hotels: Wilo offers energy-efficient solutions for heating technology, air-conditioning, water supply and wastewater disposal.



Water Management

All life is completely dependent on water – however, this valuable element is becoming increasingly scarce. The ability to ensure the purification and supply of water is rapidly developing into a global challenge. Wilo offers professional solutions designed to meet the complex requirements involved in the production of potable water, water purification, water pumping, water treatment and waste – water disposal. Wilo water management pumps and systems set benchmarks in the areas of technical performance, efficiency and sustainability.



Industry

Wilo manufactures pumps that guarantee the highest level of reliability, flexibility and efficiency. Our strengths lie in particular in applications for peripheral equipment for industrial processes. Our acknowledged expertise is the result of a sophisticated product portfolio, solutions that are precisely tailored to customer needs, pooled knowledge and an effective quality management system.





Chinchwad, Pune Plant



Kolhapur Plant



Kerurdi Plant

Mather and Platt started its Indian operations in 1913 from Kolkata, and has been fulfilling the need of water supply for more than 100 years in India for segments like building services, water management and industries.

We started our operation at Chinchwad works in Pune, Maharashtra in year 1959.

Mather and Platt Pump Ltd became part of WILO SE in the year 2005

And in year 2014, WILO Mather and Platt Pumps Ltd. Became WILO Mather and Platt Pumps Pvt. Ltd.

In the year 2009 a new state of art manufacturing facility covering over approx. 6000 sq. meters has been built at Kolhapur around 260 km from Pune to manufacture the latest high efficiency products of Wilo India.

The Pune & Kolhapur plants have acquired ISO 9001, ISO 14001 and OSHAS 18001 and all products are CE certified.

What is Life



Quality. This is what matters.

Deviations of 70 micrometres – a hair's breadth – are just visible to the naked eye. This is still too much tolerance for real quality and this is why our quality assurance system combines the latest measuring methods with extensive testing procedures. These include, for example, an endurance test in which our pumps run non—stop under full load. This test and the most demanding eagle-eyed technicians mean that even the smallest of flaws do not go undetected. Only products that pass our tests with flying colours are put to use in your company. Quality means that we question every aspect of our products and actions, so that you are left in peace.

Service. Wherever you need us.

Flexibility is one of the most important qualities in the business world of today. Not only for the product range or service, but also spatially. Our specialists for development, quality assurance and production work in close cooperation with you when integrating our pumps in your production process. That begins with individual consulting during the planning stage, and goes far beyond installation and connection. A well-trained and worldwide active service department is another essential feature of our partnership philosophy. We're only happy when your business runs as well as our pumps.

Wilo service worldwide:

- More than 1500 Wilo technicians
- Available in more than 60 countries
- Customer driven solutions
- Excellent supply performance
- Fast and in best quality

Wilo service in India:

- More than 200 Wilo technicians
- More than 100 Wilo service partners
- Available across the country
- Customer driven solutions
- Excellent supply performance
- Quick and reliable
- Each of our regional offices has a team of service persons
- At Pune, we have a centralized service team
- We have appointed service dealers who have a trained service team from M+P
- We are doing energy audit of industrial plants
- We carry out retrofitting jobs also

An Award for Companies That Drive Change Despite Times Of Crisis

Wilo has been awarded the German Sustainability Award in the “Companies” category, which this year honours corporate role models in times of the coronavirus pandemic.

The Dortmund-based technology specialist WILO SE has been awarded the renowned German Sustainability Award (Deutscher Nachhaltigkeitspreis, DNP) in the “Climate” transformation field. The German Sustainability Award honours companies for which sustainability is part of their business model. “We are proud that an industrial company has been recognised as a climate protection pioneer. This is a strong signal and is proof that we are a climate protection company”, says Oliver Hermes, President & CEO of the Wilo Group.



Our solutions for a sustainable future.

The Wilo-World.

In our interactive Wilo-World, you can learn more about us as a company, about current topics from the industry and about our products and solutions that are in use around the world. Click through the various Smart Urban Areas, explore the different building types and experience what Wilo stands for: digital and sustainable water solutions.



Scan to know more about Wilo World

Wilo-Live Assistant: "Pocket size expert consultant"

Fast, instant help via video chat.

Even during the current coronavirus crisis work on heating, water supply and sewage disposal systems is indispensable for you as a professional installer, specialist consultant and operator. How about always having a technical advisor at your side during pump service, despite these difficult times, while also ensuring that personal contact is hardly required at all? Not possible? Make it happen with the Wilo-Live Assistant, the mobile and digital solution for all questions about pumps and pump system solutions! To ensure interactive support, we have introduced facilities for live video chatting with our customers on site. This way, we can help you solve your problems as quickly as possible. We prevent downtime and ensure operational reliability of your pumps and systems! If you have questions, errors or breakdowns you can rely on fast support from a Wilo pump expert at the push of a button.

What is the Wilo-Live Assistant and how does it work?

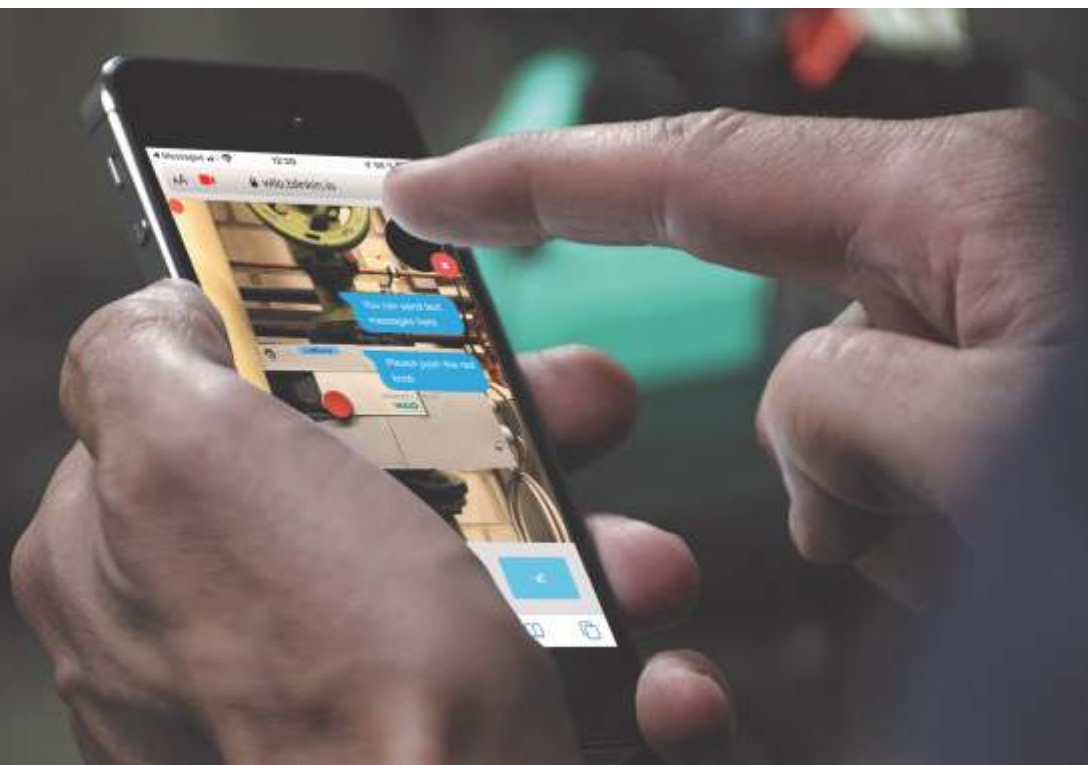
By using the Wilo-Live Assistant, our expert advisers can support you in the boiler or equipment room via video transmission – live and in real time. You use your smartphone to show the installation set-up, while the Wilo expert follows everything on their screen. They can see the components as well as other details and can thus determine where the fault or breakdown originates. In addition, the Wilo expert can draw helpful hints directly on the image and send any documents you require such as excerpts from the user manual, which you can also see on your smartphone display.

What do I need to use it?

To use the Wilo-Live Assistant, you need a current iOS or Android smartphone with an Internet browser (Safari, Google Chrome, Opera, Microsoft Edge) and an Internet connection. An app is not necessary.




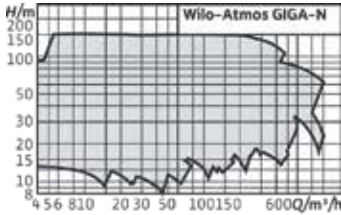
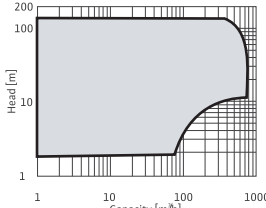
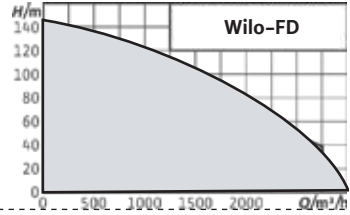
How do I gain access?




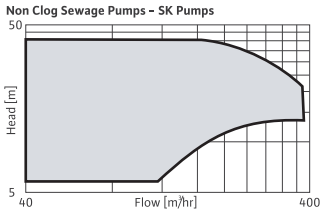
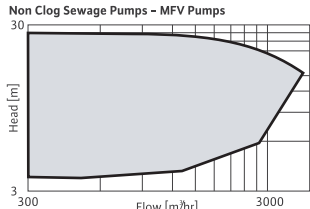
Access will be provided by our local service organisations, who will get in touch with you via phone initially. If it turns out during the conversation that video support can answer your questions in a faster and more targeted way, our employees will send you a link to your smartphone via SMS or e-mail. After clicking on the link, you just need to enable access to your smartphone microphone and camera and you're good to go. Of course, your data is protected at all times. No storage takes place, and the videos are not recorded. Only you have access to your smartphone.



Maximum efficiency
perfectly adapted
to individual requirements




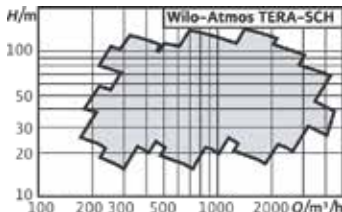
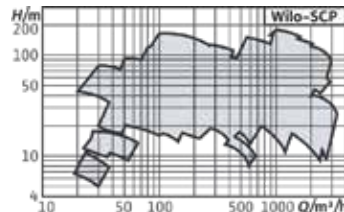
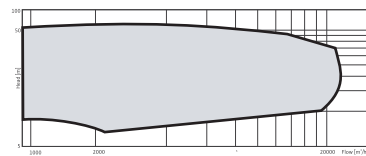
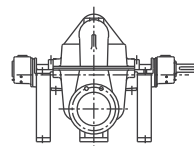
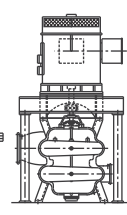
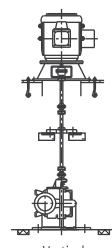
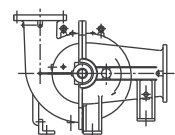




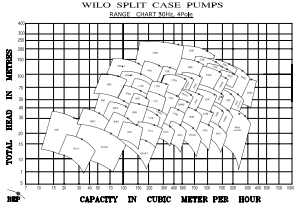
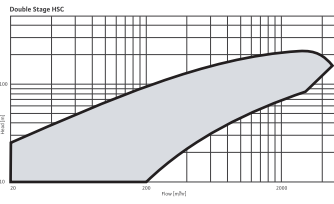
	Wilo-Atmos GIGA-N	Wilo-MISO/PISO	Wilo-FD Pump
Product photo	 High Efficiency		
Construction	Single-stage, low-pressure centrifugal pump with axial suction, mounted on a baseplate	Single stage End Suction pump mounted on a base frame	Single-stage low-pressure centrifugal pump with axial suction, according to ISO 5199, mounted on a baseplate
Application	→ Raw Water Intake → Boosting/Transport in Water Supply system → Irrigation	→ Raw Water Intake → Boosting/transport in water supply system → Irrigation	→ Raw Water/clear water pumping in municipal water supply → Irrigation
Duty chart			
Volume flow Q_{max}	1000 m³/h	750 m³/h	2,800 m³/h
Delivery head H_{max}	150 m	170 m	140 m
Technical data	→ Fluid temperature -20 °C to +140 °C → Nominal diameter DN 32 to DN 150	→ Fluid temperature -20 °C to +120 °C → Nominal diameter DN 150 to DN 400	→ Fluid temperature -20 °C to +120 °C (depending on type) → Nominal diameters: DN 150 to DN 500 (depending on type)
Special features	→ Energy-saving thanks to increased overall efficiency through improved hydraulics and the use of IE3 motors → Cataphoretic coating of all cast components for high corrosion resistance and long service life → Universally usable thanks to standardised dimensions, a range of motor options and impellers made of different materials	→ Reduced energy costs through high overall efficiency → Simplified alignment thanks to tolerant coupling and motor adjusting device → Increased operational reliability thanks to quiet-running hydraulics → Reduced cavitation tendency through optimised NPSH values → Centrifugal Radial Split case Pump available in single-stage design	NLG: → Reduced life cycle costs through optimised efficiency → Mechanical seal independent of the direction of rotation → Interchangeable casing wear ring → Permanently lubricated, generously dimensioned roller bearings NPG: → Suitable for temperatures up to 140 °C → Back pull-out version
Equipment/function	→ Single-stage low-pressure centrifugal pump with coupling, coupling guard, motor and baseplate → Motors with efficiency class IE3	→ Deliverable as complete unit or without motor or only pump hydraulics → Shaft sealing with mechanical seal or stuffing box → 4- and 6-pole motors; IE3 standard to 1000 kW (IE4 on request) → Welded steel frame	→ Single-stage horizontal spiral housing pump with bearing bracket and exchangeable casing wear rings (NLG only) in process design → Shaft sealing with mechanical seals in accordance with EN 12756 or stuffing box packing → Spiral housing with cast pump bases → Greased grooved ball bearings for bearing of pump shaft → Motors with efficiency class IE3

Series	Wilo-SK/KN/SW Solid Handling Pumps for Sewage and Drainage	Wilo-ESS Large end suction pump for sewage handling	Wilo-MFV
Product photo			
Construction	Non Clog End Suction pump mounted on a base frame	Single-stage centrifugal pump with Non-Clog Impeller, mounted on a baseplate.	Various MOC- CI, Bronze, WCB, Stainless Steel, Duplex, Super duplex
Application	<ul style="list-style-type: none"> → Municipal Raw Sewage Transfer → Sewage Treatment Plant → Effluent Treatment Plant 	<ul style="list-style-type: none"> → Raw Sewage Transfer → Sewage Treatment plant → Water Treatment Plant 	<ul style="list-style-type: none"> → Municipal raw sewage transfer → Sewage treatment plant → Storm water/Flood Control → Effluent treatment plant
Duty chart			
Volume flow Q_{max}	8000 m³/h	3000 m³/h	4000 m³/h
Delivery head H_{max}	61 m	50 m	27 m
Technical data	<ul style="list-style-type: none"> → Fluid Temperature: 0-120 Deg.C → Nominal Dia: DN 50 to DN 900 → Lubrication: Grease → Solid size: up to 200 mm 	<ul style="list-style-type: none"> → Temperature range: up to 120 Deg. C → Lubrication: Grease: -standard, Oil: -optional → Sealing: Gland packed: - standard, Mech seal: - optional → Flange drilling: As per IS 1538 Table 6, ANSI B16.1 Class 125 	<ul style="list-style-type: none"> → Fluid Temperature: 0-120 Deg.C → Nominal Dia: DN 200 to DN 500 → Lubrication: Grease → Solid size: upto 100mm
Special features	<ul style="list-style-type: none"> → End Suction top discharge → Casing with hand hole/inspection window → Grease lubricated antifriction bearing → Heavy duty bearing arrangement can be possible → Delivery flange orientation change possible. → Suitable for consistency upto 5% max. 	<ul style="list-style-type: none"> → Flange Orientation: Model specific → Coupling: Pin Bush type: -standard, Spacer type- optional → Execution: Horizontal: - Standard, Vertical: - Consult Engineering → Pump will be as per Manufacturer's standard (out of purview of EN 733/ISO 2858) → Testing Standard: ISO 9906, Grade 2B 	<ul style="list-style-type: none"> → Mounting: Horizontal → Non clog Impeller Design → Casing with Two hand hole inspection cover → Heavy Duty Antifriction Bearings → Mechanical seal /Gland packing → Grease lubrication anti-friction bearing → Delivery flange orientation change possible. → Pump can be offered with Cerum coating
Equipment/function	<ul style="list-style-type: none"> → Non-Clog Solid Handling Pump(Upto 160 mm) → 2/3 Vane Vortex state of art Design Impeller with Excellent Efficiency (>70%) - Low energy consumption. → Pumps available with sturdy bearing Design (3 bearings) → Lifelong permanent Grease and option is with oil lubrication. → Back Pull-Out Design for Many models → Driving unit Interchangeability → Option of Gland packing and Mech. seal → Big Inspection hole cover in casing 		

For future-oriented, sustainable
and highly efficient water
distribution



Series	Wilo-Atmos TERA-SCH	Wilo-SCP	Wilo-HSC Engineered Pumps
Product photo	<div><div>Series extension</div><div>High Efficiency</div></div>		
Construction	Axially split case pump mounted on a base frame	Casing : Cast Iron, Stainless Steel Impeller : Cast Iron, Stainless Steel, Bronze	→ Casing : Cast Iron, Stainless Steel, → Duplex SS, Cast steel → Impeller : Cast Iron, Stainless Steel, → Bronze, Cast Steel
Application	→ Raw water intake → Boosting/transport in water supply → Water Treatment Plant → Irrigation	→ Raw water intake → Boosting/transport in water supply → Water Treatment Plant → Irrigation	→ Raw water intake → Boosting/transport in water supply/ WTP/ETP → Irrigation
Duty chart			
Volume flow Q_{max}	4500 m ³ /h	3,400 m ³ /h	18000 m ³ /h
Delivery head H_{max}	150 m	235 m	210 m
Technical data	→ Fluid temperature -20 °C to +120 °C → Nominal diameter DN 150 to DN 400	→ ISO 6595 → Fluid Temperature: 0 to 120 Deg.C → Nominal Dia: DN 50to DN 400	→ ISO 6595 → Fluid Temperature: 0 to 120 Deg.C → Nominal Dia: DN 450to DN 1200
Special features	→ Reduced energy costs through high overall efficiency → Simplified alignment thanks to tolerant coupling and motor adjusting device → Increased operational reliability thanks to quiet-running hydraulics → Reduced cavitation tendency through optimised NPSH values → Also available as drinking water version	→ Longer and durable maintenance free bearings → Low noise and vibration, Low NPSHr → Flexibility in site and manufacturing → Scope for pump integration and → Condition Monitoring system → Centreline mountings for high temperature applications → Vertical execution available → Double suction, Double volute, → Double stage design available	→ Sterdy and high efficient Design → Optimum NPSH → Double suction Impeller to minimize axial thrust → Low noise and vibration → Double lock nut arrangement → Vertical execution available → Double suction, Double volute, Double stage design available → Different options possible – foot mounted, centre line suspension and single/two stage → Provision of installation of gauges and vibration pads for pump monitoring
Equipment/function	→ Centrifugal axially split case pump, available in single-stage design → Deliverable as complete unit or without motor or only pump hydraulics → Shaft sealing with mechanical seal or stuffing box → 4- and 6-pole motors; IE3 standard to 1000 kW (IE4 on request) → Welded steel frame	<div>Centerline Mounted</div> <div>Direct Motor Mounting</div>	<div>Vertical</div> <div>Marine Application</div>

Series	Wilo-ASP	Wilo-Double Stage HSC
Product photo		
Construction	<ul style="list-style-type: none"> → Casing : Cast Iron, Stainless Steel, → Duplex SS, Cast steel → Impeller : Cast Iron, Stainless Steel, → Bronze, Cast Steel 	<ul style="list-style-type: none"> → Casing : Cast Iron, Stainless Steel, → Duplex SS, Cast steel → Impeller : Cast Iron, Stainless Steel, → Bronze, Cast Steel
Application	<ul style="list-style-type: none"> → Municipal Water Supply → Irrigation 	<ul style="list-style-type: none"> → Water Supply schemes → Irrigation
Duty chart		
Volume flow Q_{max}	3400 m ³ /h	1500 m ³ /h
Delivery head H_{max}	247 m	270 m
Technical data	<ul style="list-style-type: none"> → ISO 6595 → Fluid Temperature: 0 to 120 Deg.C → Nominal Dia: DN 50 to DN 400 	<ul style="list-style-type: none"> → ISO 6595 → Fluid Temperature: 0 to 120 Deg.C → Nominal Dia: DN 50 to DN 300
Special features	<ul style="list-style-type: none"> → Sterdy and high efficient Design → Optimum NPSH → Double suction Impeller to minimize axial thrust → Low noice and vibration → Double lock nut arrangement → Double stage design available → Different options possible – foot mounted, centre line suspension and single/two stage → Provision of installation of gauges and vibration pads for pump monitoring 	<ul style="list-style-type: none"> → Single/double suction impellers → Mechanical seal/gland packing → Vertical execution (direct drive/shaft extension unit)

Series	Wilo-RN, IPB, PJ, HS PLURO, MT, FG
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Product photo



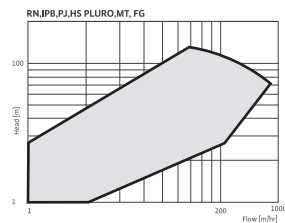
Construction

High-pressure multistage centrifugal pump in sectional construction, mounted on baseplate.

Application

- Water Supply in Hilly areas
- Pressure boosting

Duty chart



Volume flow Q_{max} 1100 m³/h

Delivery head H_{max} 1340 m

Technical data

- Fluid Temperature: 0 to 120 Deg.C
- Nominal Dia: DN 32 to DN 250
- Casing : Cast Iron, Stainless Steel, Duplex SS, Cast steel, Ni Cl
- Impeller : Cast Iron, Stainless Steel, Bronze, Cast Steel, Ni Cl

Special features

- Radial flow impellers with vane diffusers
- Mechanical Seal/Gland Packing
- Grease lubricated antifriction bearings
- Multi-outlet design
- Balance valve design for axial thrust
- Bush bearing/Roller bearing



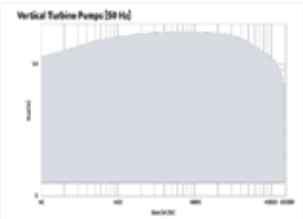
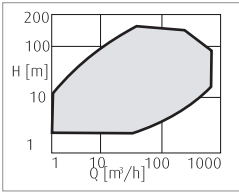
Individual pump systems
to meet your requirements



Series	WPO-Raptor Horizontal Open well- 1 Phase	WPO-Raptor Horizontal Open well- 3 Phase	WPO-Raptor Vertical Open well- 3 Phase
Product photo			
Construction	<ul style="list-style-type: none"> → Impeller : Noryl*/ Cast Iron → Casing : Cast Iron → Motor Body : SS 	<ul style="list-style-type: none"> → Impeller : Cast Iron → Casing : Cast Iron → Motor Body : SS → Coating: CED 	<ul style="list-style-type: none"> → Impeller : Cast Iron → Casing : Cast Iron → Motor Body : Cast Iron → Coating: CED
Application	Water transfer in: <ul style="list-style-type: none"> → Farm houses → Bungalows → Apartments 	Water transfer in: <ul style="list-style-type: none"> → Farm houses → Bungalows → Apartments → Agriculture 	Water transfer in: <ul style="list-style-type: none"> → Farm houses → Bungalows → Apartments → Agriculture
Duty chart			
Volume flow Q_{max}			
Delivery head H_{max}			
Technical data	<ul style="list-style-type: none"> → Flow: upto 1550 LPM → Head: upto 48 m → Power: upto 3.7kW (5hp) → Voltage: 160 to 240 voltage 	<ul style="list-style-type: none"> → Flow: upto 3400 LPM → Head: upto 78 m → Power: upto 22 kW(30 HP) → Voltage: 350 to 440 voltage 	<ul style="list-style-type: none"> → Flow: upto 1500 LPM → Head: upto 148 m → Power: upto 16.8kW (22.5hp) → Voltage: 350 to 440 voltage → No. of Stages: 8 → Pipe Size: 75mm
Special features	<ul style="list-style-type: none"> → Highly durable rewindable motor → Dynamically balanced rotating parts to ensure – min. vibration, noise free operation & long bearing life → Compact mechanical design → Designed for underwater applications in submerged condition → Designed for wide Voltage fluctuations → Pumps are CED coated to protect from corrosion → All internal parts are specially coated – to prevent internal rusting → No suction & priming problem → High operating efficiencies of pumpset – result into Low power consumption & electric bills 	<ul style="list-style-type: none"> → Highly durable rewindable motor → Dynamically balanced rotating parts to ensure – min. vibration, noise free operation & long bearing life → Compact mechanical design → Designed for underwater applications in submerged condition → Designed for wide Voltage fluctuations → Pumps are CED coated to protect from corrosion → All internal parts are specially coated – to prevent internal rusting → No suction & priming problem → High operating efficiencies of pumpset – result into Low power consumption & electric bills 	<ul style="list-style-type: none"> → Highly durable rewindable motor → Dynamically balanced rotating parts to ensure – min. vibration, noise free operation & long bearing life → Compact mechanical design → Designed for underwater applications in submerged condition → Designed for wide Voltage fluctuations → Pumps are CED coated to protect from corrosion → All internal parts are specially coated – to prevent internal rusting → No suction & priming problem → High operating efficiencies of pumpset – result into Low power consumption & electric bills




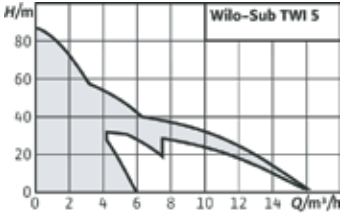
All Wilo pumps and systems are highly technologized and specialized, to meet your specific requirement.




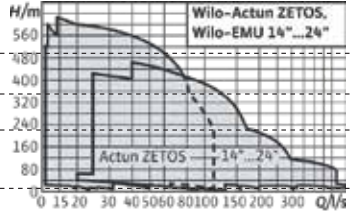




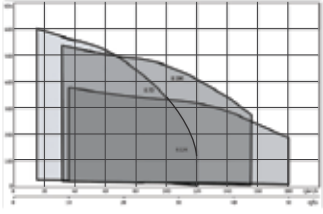
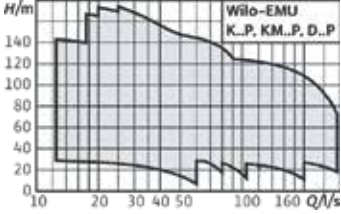
	Wilo-CNE/VMF/RN-V/Atomos Tera VMF	Wilo-Vertical Centrifugal Sump Pump
Product photo		
Construction	Casing : Cast Iron, Stainless Steel, Duplex SS, Cast steel Impeller : Cast Iron, Stainless Steel, Bronze, Cast Steel, Dupex SS	Casing : Cast Iron, Stainless Steel, Duplex SS, Cast steel Impeller : Cast Iron, Stainless Steel, Bronze, Cast Steel, Dupex SS
Application	<ul style="list-style-type: none"> → Raw water intake → Sea Water Application → Water Supply schemes → Irrigation 	<ul style="list-style-type: none"> → Raw water intake → Water supply → De-watering application
Duty chart		
Volume flow Q_{max}	50000 m ³ /h	720 m ³ /h
Delivery head H_{max}	450 m	220 m
Technical data	<ul style="list-style-type: none"> → Fluid Temperature: 0 to 80 Deg.C Nominal Dia: DN 100 to DN 2500 	<ul style="list-style-type: none"> → ISO 2858 → Fluid Temperature: 0 to 120 Deg.C → Nominal Dia: DN 32 to DN 200
Special features	<ul style="list-style-type: none"> → Above floor/below floor → Suspension length up to 40 meter → Hollow shaft design → Single/multistage → Caission/canister construction → Tilted pad thrust bearings with cooling arrangement, semi-open impellers → Intermediate bearings lubrications → Engine driven with right angle gear box → Threaded shaft coupling also available for small pumps. 	<ul style="list-style-type: none"> → Vertical wet pit volute pump with dry motor. → Rectangular/Circular sole plates available. → Forced/external lubrication possible. → Shaft sleeves to ensure longer shaft life. Semi open impeller on request. → Less environmental impact. → Oil lubricated bearing arrangement antifricition bearing



Raw water intake and pumping:
with minimum energy costs to
maximum security of supply




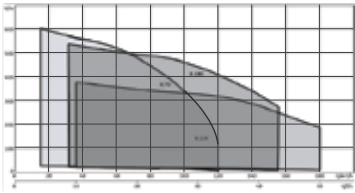
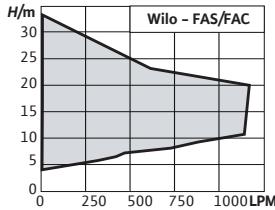
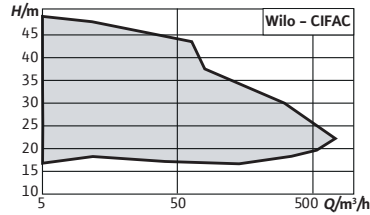
Series	Wilo-Sub TWI 5/TWI 5-SE Wilo-Sub TWI 5-SE PnP	WBW3 (75 mm)- Water Filled	Wilo-WBW 4 Prathak(100 mm)-Water Filled Wilo-WBW 4 PLUS (100 mm)-Water Filled
Product photo			
Construction	Submersible pumps	Borewell submersible pumpset	Borewell submersible pump Casing : Cast Iron Impeller : SS 410 Motor body: SS
Application	For domestic water supply from wells, rainwater storage tanks, and reservoirs. For irrigation, sprinkling, rainwater utilisation or for pumping out water	→ Domestic household water supply to high rise building, housing complex, villas, farm houses, gardens, nurseries and fountains → Washing – garages, poultry farms, cattle farms, and stud farms	→ Domestic household water supply → Water supply to high rise buildings, housing complex, villas, farm houses, gardens & nurseries → Washing – garages, poultry farms, cattle farms & stud farms → Fountains
Duty chart			
Volume flow Q_{max}	16 m ³ /h	4.8 m ³ /h	28 m ³ /h
Delivery head H_{max}	88 m	45 m	181 m
Technical data	<ul style="list-style-type: none"> → Mains 3~400 V or 1~230 V $\pm 10\%$ 50 Hz → Fluid temperature max. +40 °C → Max. operating pressure 10 bar → Protection class IP68 → Discharge-side Rp 1 1/4 → Suction-side (SE version) Rp 1 1/4 	→ Power: upto 0.75 kW(1 HP)	→ Power: upto 3.7 kW (5 hp)
Special features	<ul style="list-style-type: none"> → Ready-to-plug in EM version (1~230 V) → Pump (housing, stages, impellers) made entirely of stainless steel 1.4301 (AISI 304) → Self-cooling motor enables installation outside water 	<ul style="list-style-type: none"> → Available single & 3 phase → Wide voltage range available in single and three phase → High grade engineered polymer – glass filled virgin Noryl → High quality winding wires to ensure reliability & capability to withstand wide voltage fluctuation → Adequate bearing supports are provided at top, bottom and middle for better stability → Casings are provided with wear (SS) for longer life and ease of maintenance → Top & Suction bush are protected by proper sand guard arrangement → Non return valve designed for minimum friction loss → Water lubricated and fully rewindable motor with → 2.75 m, 3 core, PVC flat cable along with earthing provision → Resistant to corrosion and abrasion → Spline coupling as per NEMA standards 	<ul style="list-style-type: none"> → Wide voltage range available in three phase → High quality Winding Wires to ensure reliability & capability to withstand wide voltage fluctuation → Adequate Bearing supports are ring (SS) for Longer life and ease in maintenance → Resistant to corrosion and abrasion → Top & Suction Bush are protected by proper Sand Guard arrangement
Equipment/function	<ul style="list-style-type: none"> → Control modes: Δp-c, Δp-v, PID con → TWI 5 version with standard intake strainer → Variants: → SE: with lateral inlet connecting piece → FS: with built-in float switch → Thermal motor protection for EM 		


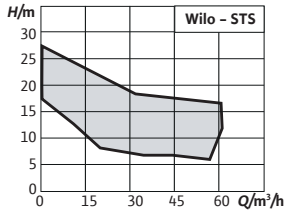
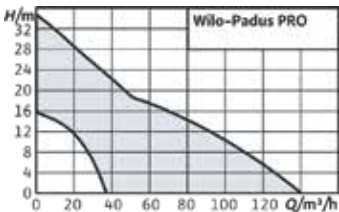
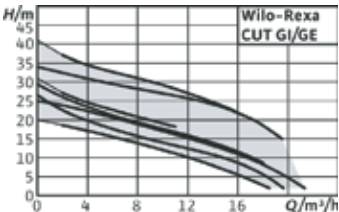
Series	Wilo-Control Panel for WBW4"	Wilo-WBW 5/6/7/8 (125 mm)-Water Filled	Wilo-EMU 12" ... 24" Wilo-Actun ZETOS-K
Product photo			
Construction	Control panel for borewell submersible pumpset (WBW4)	Borewell submersible pumpset Available single & 3 phase	Submersible pump with sectional construction
Application	<ul style="list-style-type: none"> → Domestic household water supply → Water supply to high rise buildings, housing complex, villas, farm houses, gardens & nurseries → Washing – garages, poultry farms, cattle farms & stud farms → Fountains 	<ul style="list-style-type: none"> → Domestic household water supply to high rise building, housing complex, villas, farm houses, gardens, nurseries and fountains → Washing – garages, poultry farms, cattle farms, and stud farms 	(Drinking) water supply from boreholes, rainwater tanks; for sprinkling/irrigation/pressure boosting; municipal/industrial/geothermal/offshore use
Volume flow Q_{max}		138 m ³ /h	
Delivery head H_{max}		227 m	
Technical data	<ul style="list-style-type: none"> → Power: 0.37kW (0.5hp) to 2.2kW (3hp) → Phase: 1 Ph 	→ Power: upto 25 HP	
Special features	<ul style="list-style-type: none"> → Designed & Robust construction → Wall mounted/Floor Mounted Powder coated sheet metal enclosure, nos. of earth terminal → Fitted with 4 Pole heavy duty contactor it can operate under wide voltage range → Easy to install, operate & maintain → Highly Precise Digital display unit for full Fledged Motor Protection → In build short-circuit protection 	<ul style="list-style-type: none"> → Available single & 3 phase → Wide voltage range available in single and three phase → High grade engineered polymer-glass filled virgin Noryl → High quality winding wires to ensure reliability & capability to withstand wide voltage fluctuation → Adequate bearing supports are provided at top, bottom and middle for better stability → Casings are provided with wear (SS) for longer life and ease of maintenance → Top & Suction bush are protected by proper sand guard arrangement → Non return valve designed for minimum friction loss → Water lubricated and fully rewindable motor with → 2.75 m, 3 core, PVC flat cable along with earthing provision → Resistant to corrosion and abrasion 	 <p>2400 m³/h 640 m</p> <ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Max. fluid temperature: 20 ... 30 °C → Max. sand content: 35 g/m³ or 150 g/m³ → Max. immersion depth: 100/300/350 m → Pressure shroud in corrosion-resistant and hygienic stainless steel version → Hydraulic in stainless steel precision casting (Actun ZETOS-K) → Maintenance-friendly, rewindable motors → Optionally with Ceram CT coating for increasing the efficiency → Optionally with ACS approval for drinking water application
			<ul style="list-style-type: none"> → Submersible multistage pump → Radial or semi-axial impellers → Hydraulics and motor freely configurable according to power requirements → Integrated non-return valve (depending on type) → NEMA coupling or standardised connection → Three-phase motor for direct or star delta start




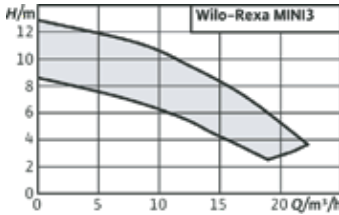
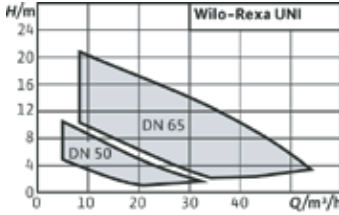
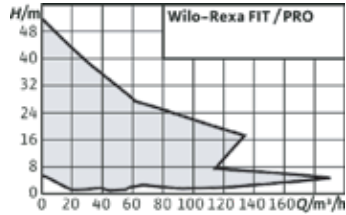
Series	Wilo-Actun First/Opti V	Wilo-EMU polder pumps
Product photo		
Construction	Casing : Cast Iron/WCB Impeller : WCB	Polder pump
Application	<ul style="list-style-type: none"> → Mine Dewatering → Drinking water → Sprinklers → Water transfer, pressure boosting → Raw water intake 	Drinking/process water from boreholes, rainwater tanks; sprinkling/irrigation/ groundwater lowering; municipal/industrial/ geothermal/offshore use
Duty chart		
Volume flow Q_{max}	200 m ³ /h	1200 m ³ /h
Delivery head H_{max}	163 m	160 m
Technical data	<ul style="list-style-type: none"> → Fluid Temperature: 0 to 33 Deg.C → Nominal Dia: DN 150 & DN 200 	<ul style="list-style-type: none"> → Mains connection 3~400 V, 50 Hz → Max. fluid temperature 20°C → Min. flow at outside shroud not necessary. → Max. sand content: 35 g/m³ → Max. immersion depth: 300 m
Special features	<ul style="list-style-type: none"> → Wide voltage range available in three phase → High quality Winding Wires to ensure reliability & capability to withstand wide voltage fluctuation → Adequate Bearing supports are provided at top, bottom and middle for better stability → Casings are provided with wear ring (SS) for Longer life and ease in maintenance → Resistant to corrosion and abrasion → Top & Suction Bush are protected by proper Sand Guard arrangement → Best in Class Efficiency → Multistage Stainless steel Investment Casting → Integrated NRV → No priming Required → Inclined(15Deg.)°installation upto 5 stages 	<ul style="list-style-type: none"> → Deep water lowering thanks to selfcooling motors → Sturdy version in cast iron or bronze → Compact construction → Maintenance-friendly, rewindable motors → Optionally with Ceram CT coating for increasing the efficiency → Submersible multistage pump → Semi-axial impellers → Hydraulics and motor freely configurable according to power requirements → Three-phase motor for direct or stardelta start → Motors rewindable as standard
Equipment/function	<ul style="list-style-type: none"> → Multistage submersible pump with radial and semi-axial impellers → Rewindable, oil-filled motor → Integrated non-return valve → NEMA coupling → Single-phase or three-phase AC motor 	




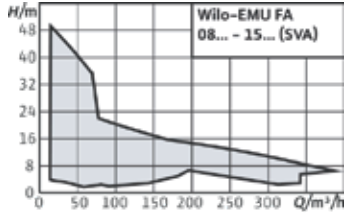
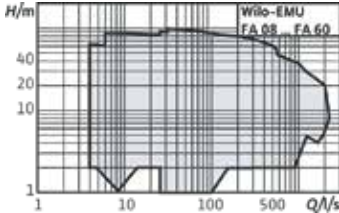
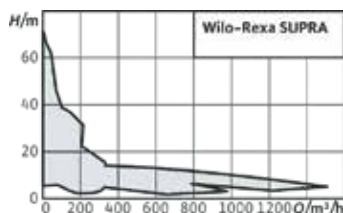
Wastewater collection and
transportation: for reliable and
energy-efficient processes





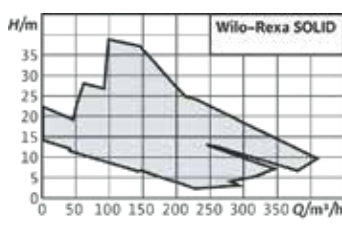
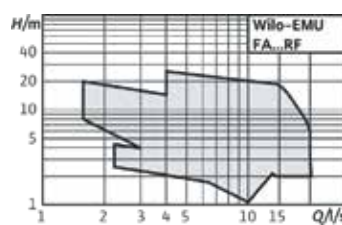
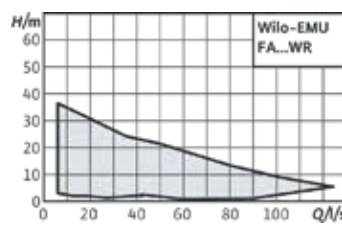



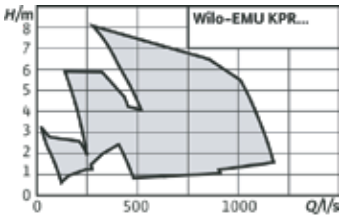
Series	Wilo-Initial Drain & Waste*	Wilo-FAS / FAC*	Wilo-CIFAC
Product photo			
Construction	Casing : Polypropylene Impeller : Polypropylene Shaft SS	Casing : Cast Iron Impeller : Cast Iron	Casing : Cast Iron Impeller : Cast Iron/SS
Application	Drainage of clear or slightly dirty water, for domestic use	→ Drainage of clear or slightly dirty water, for domestic use → Lifting of waste water even with suspended solids, for domestic use	Dewatering
Duty chart			
Volume flow Q_{max}	14 m ³ /h (235 lpm)	93 m ³ /h	900 m ³ /h
Delivery head H_{max}	8 m	30 m	33 m
Technical data	→ Fluid Temperature: 0 to 35 Deg.C → Nominal Dia: DN 40, → Single phasez	→ Fluid Temperature: 0 to 35 Deg.C → Nominal Dia: DN 40 → Single phase	→ Fluid Temperature: 0 to 35 Deg.C → Nominal Dia: DN 50 to DN 300 → Solid passage : 125mm → Available with three phase
Special features	→ Pump installation in vertical position with horizontal delivery port. → Pumps are delivered with elbow for vertical delivery port. → Pump will be supplied with 10 m cable → Motor Protection class IP68 → Maximum number of starts per hour: 60 → Suitable for 1.06 specific gravity	→ Pump installation in vertical position with horizontal delivery port. → Pumps are delivered with elbow for vertical delivery port. → Pump will be supplied with 10 m cable → Motor Protection class IP68 → Maximum number of starts per hour: 60 → Suitable for 1.06 specific gravity → CI body above 2.2kW	→ Semi-open, single vane with alloy cutter → IP 68 Motor protection → Integrated structure, no connected shaft apparatus → Motor over-load protection, leakage in oil chamber protection → Scope of Supply: Pump with M/Seal, Pump foot, Motor and 10 m cable (Suitable for portable installation)

Series	Wilo-STS*	Wilo-Padus PRO	Wilo-Rexa CUT GI Wilo-Rexa CUT GE
Product photo			
Construction	Casing : Cast Iron Impeller : Cast Iron/SS	Submersible drainage pump	Submersible sewage pump with macerator
Application	Dewatering → Sewage containing faeces → Wastewater → Untreated Sewage	Pumping of → Wastewater	Pumping of → Sewage containing faeces → Wastewater
Duty chart			
Volume flow Q_{max}	54 m³/h	140 m³/h	21 m³/h
Delivery head H_{max}	17 m	34 m	41 m
Technical data	→ Fluid Temperature: 0 to 35 Deg.C Nominal Dia: DN 50 & DN 80 → Solid passage : 35mm Available with single and three phase	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S1 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C	→ Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz Immersed operating mode: S1 Non-immersed operating mode: S3 Max. immersion depth: 7 m (CUT GI) or 20 m (CUT GE) → Fluid temperature: max. 40 °C
Special features	→ Pump along with float switch → Robust high efficiency motor Dry motor construction with sealing chamber Stainless steel motor body with IP 68 protection Integrated motor control for current overload and high temperature → Easy to carry and handle	→ High reliability in abrasive media thanks to rubber-coated hydraulics and impeller made of hardened chrome steel → Easy installation thanks to low weight and flexible pressure connection (vertical/horizontal) → Active cooling for reliable continuous duty, particularly in slurping operation → Easy maintenance thanks to quick access to wearing parts	→ Low-weight version with stainless steel motor Sturdy version in cast iron Sealing with two mechanical seals → Longitudinal watertight cable inlet
Equipment/function		→ Sheath flow cooling → Slurping operation	Internal or external macerator → Unimpeded flow to the impeller Maceration of substances being conveyed → Sealing chamber with optional external monitoring ATEX approval (Rexa CUT GE)

Series	Wilo-Rexa MINI3	Wilo-Rexa UNI	Wilo-Rexa FIT Wilo-Rexa PRO
Product photo		 Series modification	
Construction	Submersible sewage pump	Submersible sewage pump	Submersible sewage pump
Application	Pumping of → Sewage without faeces → Wastewater	Pumping of → Sewage without faeces → Wastewater → Aggressive fluids (pH > 3.5)	Pumping of → Sewage without faeces → Wastewater
Duty chart			
Volume flow Q_{max}	23 m³/h	54 m³/h	186 m³/h
Delivery head H_{max}	13 m	21 m	52 m
Technical data	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S2-15 min, S3 10 % → Max. immersion depth: 7 m → Fluid temperature: max. 40 °C 	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S3 10 % → Max. immersion depth: 7 m → Fluid temperature: max. 40 °C 	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S3 → Max. immersion depth: 7 m (FIT) or 20 m (PRO) → Fluid temperature: max. 40 °C
Special features	<ul style="list-style-type: none"> → Best efficiency and high operational reliability thanks to → Easy installation thanks to compact design with integrated condensor, light weight and threaded flange → Long maintenance intervals thanks to large sealing chamber and double sealing 	<ul style="list-style-type: none"> → High reliability due to corrosion-free hydraulics for various fluids → Easy installation thanks to low weight → of composite, integrated capacitor and integrated fixations in flanges → Larger inspection interval thanks to double sealing with large sealing chamber 	<ul style="list-style-type: none"> → Low-weight version with stainless steel motor or sturdy version in cast iron → Also with IE3 motor technology (according to IEC 60034-30) → Motors with S1 operation mode for dry installation available
Equipment/function	<ul style="list-style-type: none"> → AC variant ready-to-plug and with internal capacitor → A-model including float switch → Thermal motor monitoring 	<ul style="list-style-type: none"> → Thermal motor monitoring → Single-phase variant with internal capacitor → A-model with plug and float switch → P-model with plug → Material version "B" for aggressive fluids, e.g. lake/sea water, condensate, distilled water → "C" version with sheath flow cooling 	<ul style="list-style-type: none"> → Thermal motor monitoring → Motor chamber monitoring (Rexa PRO) → Sealing chamber with optional external monitoring → ATEX approval (Rexa PRO)

Series	Wilo-EMU FA 08 to FA 15 (standard pumps)	Wilo-EMU FA 08 to FA 60	Wilo-Rexa SUPRA-V Wilo-Rexa SUPRA-M
Product photo			 Series extension
Construction	Submersible sewage pump	Submersible sewage pump	Submersible sewage pump
Application	Pumping of : → Sewage containing faeces → Wastewater	Pumping of → Untreated sewage → Sewage containing faeces → Wastewater → Process water	Pumping of → Untreated sewage → Sewage containing faeces → Wastewater → Process water
Duty chart			
Volume flow Q_{max}	380 m³/h	8679 m³/h	1500 m³/h
Delivery head H_{max}	51 m	124 m	71 m
Technical data	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S2 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1Nonimmersed operating mode: – S1 with self-cooling motor – S2 with surface-cooled motor → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1Nonimmersed operating mode: – S1 with self-cooling motor – S2 with surface-cooled motor → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C
Special features	→ Operationally reliable thanks to → Vortex hydraulics and single-channel hydraulics with large, free ball passage → Process reliability thanks to optional monitoring for the sealing chamber → Stainless steel tile frame with trap	→ Self-cooling motors for the use in wet well and dry well installation → Process security thanks to extensive monitoring devices → Enhanced corrosion protection with the optional Ceram coating for a longer lifetime → Special versions for abrasive and corrosive fluids → Customised versions are possible	→ Self-cooling motors for the use in wet well and dry well installation → Process security thanks to extensive monitoring devices → Enhanced corrosion protection with the optional Ceram coating for a longer lifetime → Customised versions are possible
Equipment/function	→ Optional external sealing chamber monitoring	→ Heavy-duty version made of cast ironOptional monitoring for – motor bearing temperature – motor winding temperature – tightness of motor, terminals and sealing chamber	→ Heavy-duty version made of cast ironOptional monitoring for – motor bearing temperature – motor winding temperature – tightness of motor, terminals and sealing chamber




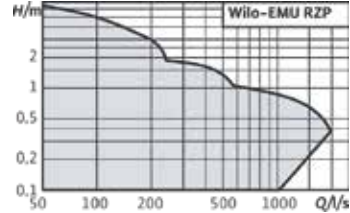
Series	Wilo-Rexa SOLID	Wilo-EMU FA...RF	Wilo-EMU FA...WR
Product photo	 		
Construction	Submersible sewage pump	Submersible sewage pump made of cast stainless steel	Submersible sewage pump with mechanical stirring apparatus
Application	Pumping of → Untreated sewage → Sewage containing faeces → Wastewater → Process water	Pumping of → Highly abrasive sewage without longfibre components → Sewage containing faeces	Pumping of → Highly abrasive sewage without longfibre components → Sewage containing faeces
Duty chart			
Volume flow Q_{max}	410 m³/h	72 m³/h	450 m³/h
Delivery head H_{max}	38 m	27 m	36 m
Technical data	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: -S1 with self-cooling motor -S2 with surface-cooled motor → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S2 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C	→ Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Non-immersed operating mode: S2 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C
Special features	→ Highest operational reliability and reduced service costs, especially for pumping untreated sewage thanks to the self-cleaning characteristics → Enhanced corrosion protection with the optional Ceram coating for a longer lifetime → Optional Digital Data Interface (DDI) with integrated vibration monitor, data logger and web server for convenient system monitoring → Integration of Nexos Intelligence	→ Sturdy version completely in stainless steel casting 1.4581 for the use in corrosive fluids → Longitudinal watertight cable inlet	→ Mechanical mixing device made of Abrasit material to avoid deposits in the pump chamber → Longitudinal watertight cable inlet → Customised versions are possible
Equipment/function	Optional Nexos Intelligence: → Reduced downtime and service call-outs thanks to automatic detection and removal of clogging → Convenient control and connectivity with the local network via the integrated web server and Ethernet interface with established protocols in the pump → Increased operational reliability in the event of a failure thanks to the interface with established protocols in the pump integrated pump control in multiple execution	→ Heavy-duty version made of cast stainless steel → Optional external sealing chamber monitoring	→ Mechanical stirring apparatus is fastened directly to the impeller → Mixer head made of Abrasit (chilled cast iron) → Optional external sealing chamber monitoring




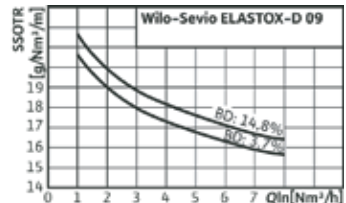
Series	Wilo-EMU KPR
Product photo	
Construction	Axial submersible pump for use in pipe chambers
Application	Pumping of <ul style="list-style-type: none">→ Sewage without faeces (EN 12050-2)→ Wastewater→ Process water
Duty chart	
Volume flow Q_{max}	4360 m³/h
Delivery head H_{max}	8 m
Technical data	<ul style="list-style-type: none">→ Mains connection: 3~400 V, 50 Hz→ Immersed operating mode: S1→ Max. immersion depth: 20 m→ Fluid temperature: max. 40 °C
Special features	<ul style="list-style-type: none">→ Installation directly in the pressure pipe→ Angle of propeller blades adjustable→ Process security thanks to extensive monitoring devices→ Customised versions are possible
Equipment/function	<ul style="list-style-type: none">→ Heavy-duty version made of cast iron

On request
Engineered models available for discharge
up to 25000 m³/h


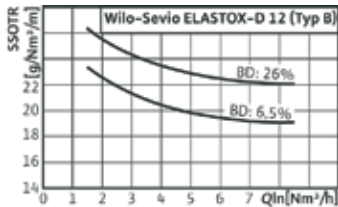
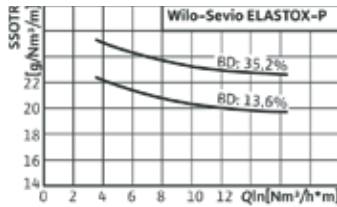
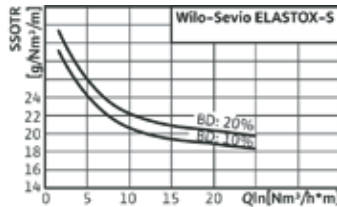


Wastewater treatment: reliable
system solutions for wastewater
treatment plants

Series	Wilo-EMU TR/TRE 50-2 to TR 120-1	Wilo-EMU TR/TRE 212 to TR/TRE 326-3	Wilo-EMU RZP 20 to RZP 80-2
Product photo			
Construction	Submersible mixer with single-stage planetary gear	Submersible mixers with housing unit, planetary gear	Submersible mixers with housing unit, directly driven or with single-stage planetary gear
Application	Flow generation, suspension of solids, homogenisation and prevention of floating sludge layers	Energetically optimised mixing and circulation of activated sludge; generation of flow rates	→ Pumping of large volume flows of wastewater and sewage → Flow generation in water channels
Duty chart			
Volume flow Q_{max}	Max. thrust: 160 – 6620 N	Max. thrust: 390 – 4310 N	6800 m³/h
Delivery head H_{max}			1.1 m
Technical data	<ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C 	<ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C 	<ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Immersed operating mode: S1 → Max. immersion depth: 20 m → Fluid temperature: max. 40 °C
Special features	<ul style="list-style-type: none"> → Secures your processes. The large planetary gear ensures that the mixing forces are absorbed efficiently. → Efficient energy usage. The innovative blade geometry and energyefficient IE3 motors ensures the best possible specific thrust coefficient. → Works reliably. Thanks to entwiningfree operation with backward-curved incoming flow edge. 	<ul style="list-style-type: none"> → Efficient energy usage. The innovative blade geometry and energy-efficient IE3/IE4 motors ensure the best possible specific thrust coefficient. → Consistently reliable. The low-wearing GFK/PA6 propeller is durable and scores with its self-cleaning effect. → Smooth running thanks to the balanced propeller load, even in high thrust ranges and when incoming flow conditions are unfavourable. 	<ul style="list-style-type: none"> → Vertical or in-line installation possible → Self-cleaning propeller to avoid clogging → Propeller in steel or PUR
Equipment/function	<ul style="list-style-type: none"> → Stationary installation on walls → Flexible installation via lowering device → Can be swivelled horizontally when installed with a lowering device → Installation with stand allows free placement in basin 	<ul style="list-style-type: none"> → Installation with stand allows free placement in basin → Flexible installation 	<ul style="list-style-type: none"> → Stationary installation directly on the pipework → Flexible installation via lowering device → Vertical or in-line installation possible

Series	Wilo-Vardo WEEDLESS	Wilo-Sevio MIX DM 50-2	Wilo-Sevio ELASTOX-D 09
Product photo			
Construction	Vertical mixer with standard gear motor	Onshore and offshore drilling	Aeration system consisting of disc diffuser and pipeline system for compressed air distribution.
Application	Energetically optimised mixing and circulation		For fine bubble aeration of various fluids such as wastewater and sewage or sludge, for the purpose of supplying oxygen and mixing.
Duty chart			
Volume flow Q_{max}	Max. thrust: 6000 N		
Delivery head H_{max}	Max. circulation capacity: 7.5 m³/s		
Technical data	<ul style="list-style-type: none"> → Propeller diameter: 2.50 m ... 1.50 m → Diameter of mixer shaft: 70 ... 114 mm → Shaft length: from 2 m → Fluid temperature: 3 ... 40 °C 	<ul style="list-style-type: none"> → Rated speed – 1460 → 50 hz → Protection class– IP 68 → Mechanical Seal 	<ul style="list-style-type: none"> → Perforation area: 370 cm² → Air load: 1.5 ... 10 Nm³/h → Temperature, air intake: 5 ... 100 °C → Fluid temperature: 5 ... 35 °C
Special features	<ul style="list-style-type: none"> → Optimum agitation in basin with square or rectangular floor plan → Operational reliability owing to wearresistant propeller → Easy installation for existing systems → Floating version for basins with alternating water levels 	<ul style="list-style-type: none"> → Reliable product → ATEX/FM approved → Withstand temperature upto 90 Deg C 	<ul style="list-style-type: none"> → High system efficiency thanks to high aeration capacity → High flexibility in the plant control system through the air intake's large control range → Maximum possible process-specific activation density by taking different basin geometries into account → Long service life in municipal and industrial applications thanks to different membrane materials → Low installation and conversion costs of existing pipework
Equipment/function	Version with <ul style="list-style-type: none"> → Float for floating installation → Two propeller platforms → Ex rating → Integrated frequency converter 		Compressed air generators input air into the pipepipesystem via the air intake pipe. The pipepipesystem evenly distributes the supplied air to individual diffusers. Air is evenly input to the fluid free from coalescence via a sewerresistant membrane. <ul style="list-style-type: none"> → Connection down pipe → Distribution pipe → Diffuser pipeline → Connection drain pipe → Membrane diffuser → Support for pipeline system → Consulting documents



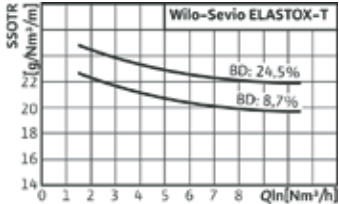
*On special request

Series	Wilo-Sevio ELASTOX-D 12	Wilo-Sevio ELASTOX-P	Wilo-Sevio ELASTOX-S
Product photo			
Construction	Aeration system consisting of disc diffuser and pipeline system for compressed air distribution.	Aeration system consisting of plate diffuser and pipeline system for compressed air distribution.	Aeration system consisting of strip diffuser and pipeline system for compressed air distribution.
Application	For fine bubble aeration of various fluids such as wastewater and sewage or sludge, for the purpose of supplying oxygen and mixing.	For fine bubble aeration of various fluids such as wastewater and sewage or sludge, for the purpose of supplying oxygen and mixing.	For fine bubble aeration of various fluids such as wastewater and sewage or sludge, for the purpose of supplying oxygen and mixing.
Duty chart			
Volume flow Q_{max}			
Delivery head H_{max}			
Technical data	Perforation area: 650 cm ² → Air load: 1 ... 12 Nm ³ /h → Temperature, air intake: 5 ... 80 °C (up to 120 °C on request) → Fluid temperature: 5 ... 35 °C	→ Perforation area: 1200 cm ² → Air load: 4 ... 15 Nm ³ /h*m → Temperature, air intake: 5 ... 80 °C (up to 120 °C on request) → Fluid temperature: 5 ... 35 °C	→ Perforation area: 2400 ... 6400 cm ² → Air load: 1 ... 19 Nm ³ /h*m → Temperature, air intake: 5 ... 60 °C → Fluid temperature: 5 ... 35 °C
Special features	→ Thanks to its special design, the air intake is sealed when the membrane is not loaded to prevent fluid penetrating the pipeline system → Ideal adaptation of the air intake thanks to three different perforation patterns → Greatest possible process-specific activation density by taking different basin geometries and installation conditions into account → High flexibility in the system control through very wide control range of the air intake	→ Increased operational reliability thanks to hoist restriction of the plate membrane to evenly expand the membrane for ideal air intake. → Thanks to its special design the air intake reduces fluid penetrating the pipeline system when the membrane is not loaded → Specific airflow rate generates higher air intake → Low requirements for specific piping thanks to installation of plate diffusers in pairs	→ Maximum possible energy efficiency through micro-perforation and large membrane surface area → High process reliability through lowwearing and clogging-free membrane and integrated non-return valve → High operational reliability thanks to division into small aeration fields → High flexibility in the plant control system through the air intake's large control range
Equipment/function	Compressed air generators input air into the pipepipesystem via the air intake pipe. The pipepipesystem evenly distributes the supplied air to individual diffusers. Air is evenly input to the fluid free from coalescence via a sewage-resistant membrane. → Connection down pipe → Distribution pipe → Diffuser pipeline → Connection drain pipe → Membrane diffuser → Support for pipeline system → Consulting documents	Compressed air generators input air into the pipepipesystem via the air intake pipe. The pipepipesystem evenly distributes the supplied air to individual diffusers. Air is evenly input to the fluid free from coalescence via a sewage-resistant membrane. → Connection down pipe → Distribution pipe → Diffuser pipeline → Connection drain pipe → Membrane diffuser → Support for pipeline system → Consulting documents	Compressed air generators input air into the pipepipesystem via the air intake pipe. The pipepipesystem evenly distributes the supplied air to individual diffusers. Air is evenly input to the fluid free from coalescence via a sewage-resistant membrane. → Connection down pipe → Distribution pipe → Diffuser connection → Membrane diffuser → Support for pipeline system → Consulting documents

*On special request

*On special request

*On special request


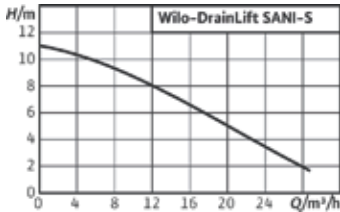
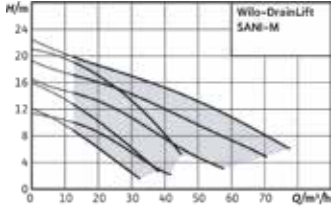
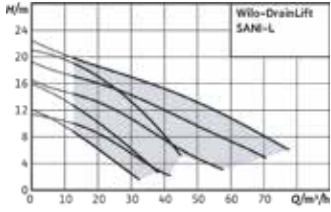
Series	Wilo-Sevio ELASTOX-T	Wilo-Savus OPTI-DECA
Product photo		
Construction	Aeration system consisting of tube diffuser and pipeline system for compressed air distribution.	A positive control discharge unit that is decoupled from the fluid
Application	For fine bubble aeration of various fluids such as wastewater and sewage or sludge, for the purpose of supplying oxygen and mixing.	Unit to effectively discharge clear water in SBR systems
Duty chart	 <p>The duty chart for Wilo-Sevio ELASTOX-T plots SSOTR (g/Nm³/h) on the y-axis (ranging from 14 to 24) against Q (Nm³/h) on the x-axis (ranging from 0 to 8). Two curves are shown: one for BD 24.5% (higher SSOTR values) and one for BD 8.7% (lower SSOTR values). Both curves show a slight downward trend as Q increases.</p>	
Volume flow Q_{max}		
Delivery head H_{max}		
Technical data	<ul style="list-style-type: none"> → Perforation area: 640 ... 1600 cm² → Air load: 1.5 ... 10 Nm³/h*m → Temperature, air intake: 5 ... 80 °C → Fluid temperature: 5 ... 35 °C 	<ul style="list-style-type: none"> → Drainage quantity: 200 ... 1000 m³/h → Discharge pipe: DN 200 ... DN 300 → Drain pipe: DN 200 ... DN 400 Drainage quantities greater than 1000 m³/h upon request.
Special features	<ul style="list-style-type: none"> → High flexibility of configuration thanks to different lengths and wide control range of air intake → Low-buoyancy behaviour → Low requirements for specific piping thanks to installation of tube diffusers in pairs <p>Compressed air generators input air into the pipe/pipesystem via the air intake pipe. The pipe/pipesystem evenly distributes the supplied air to individual diffusers. Air is evenly input to the fluid free from coalescence via a sewage-resistant membrane.</p>	<ul style="list-style-type: none"> → Effective and safe clear water removal to ensure the sewage is cleaned to a high quality → High process reliability owing to permanently installed system which is decoupled from the fluid → No contamination thanks to process-related cycling of the decanting process → Individually system-tailored design → Discharge and drainage unit, joint, wall bracket and supports → Electric winch
Equipment/function	<ul style="list-style-type: none"> → Connection down pipe → Distribution pipe → Diffuser pipeline → Connection drain pipe → Membrane diffuser → Support for pipeline system → Consulting documents 	




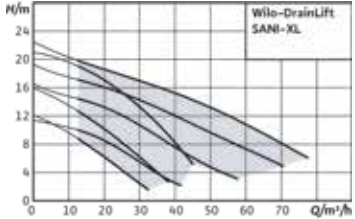
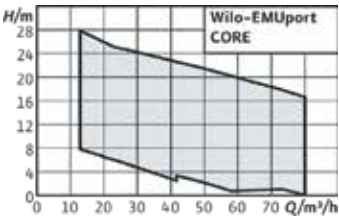
*On special request

*On special request

The result – a fully satisfied customer



Series	Wilo-DrainLift SANI-S	Wilo-DrainLift SANI-M	Wilo-DrainLift SANI-L
Product photo			
Construction	Compact, ready for connection and fully submersible single pump lifting unit	Ready for connection and fully submersible single pump lifting unit	Compact, ready for connection and fully submersible double pump lifting unit
Application	Pumping of sewage containing faeces	Pumping of sewage containing faeces	Pumping of sewage containing faeces
Duty chart			
Volume flow Q_{max}	29 m³/h	49 m³/h	49 m³/h
Delivery head H_{max}	11 m	21 m	21 m
Technical data	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Operating mode: S3 10% → Fluid temperature: 3 ... 40 °C, max. 65 °C for 5 min → Tank volume: 47 l → Max. usable volume: 32 l → Pressure connection: DN 80 	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Operating mode: S3 10%/S1 → Fluid temperature: 3 ... 40 °C, max. 65 °C for 5 min → Tank volume: 99 l → Max. usable volume: 74 l → Pressure connection: DN 80 	<ul style="list-style-type: none"> → Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz → Operating mode: S3 10%/S1 → Fluid temperature: 3 ... 40 °C, max. 65 °C for 5 min → Tank volume: 122 l → Max. usable volume: 91 l → Pressure connection: DN 80
Special features	<ul style="list-style-type: none"> → Very easy to install and transport due to space-saving compact construction and very light weight → Operational reliability provided by the large switching volume, thermal motor protection and mains-independent alarm → Transparent tank cover and cleaning opening in the non-return valve ensure easy maintenance → Optional Wilo-SmartHome connection for instantaneous notification directly to your mobile phone 	<ul style="list-style-type: none"> → Very easy to install and transport due to compact construction and light weight → Operational reliability provided by the large switching volume, thermal motor protection and mains-independent alarm → Universal use thanks to several variants (continuous duty or intermittent periodic duty, version for aggressive fluids) → Transparent tank cover and cleaning opening in the non-return valve ensure easy maintenance 	<ul style="list-style-type: none"> → Easy installation and transport due to compact construction and light weight → High operational reliability thanks to the double-pump system, high switching volume, thermal motor protection and mains-independent alarm → Universal use thanks to several variants (continuous duty or intermittent periodic duty, version for aggressive fluids) → Transparent tank cover and cleaning opening in the non-return valve ensure easy maintenance
Equipment/function	<ul style="list-style-type: none"> → Switchgear with mains-independent alarm and collective fault signal → Ready-to-plug → Tank with inspection opening and transparent cover → Analogue level measurement (4 ... 20 mA) → Non-return valve with inspection opening → Thermal motor monitoring with bimetallic strip 	<ul style="list-style-type: none"> → Switchgear with mains-independent alarm and collective fault signal → Ready-to-plug → Tank with inspection opening and transparent cover → Analogue level measurement (4 ... 20 mA) → Non-return valve with inspection opening → Thermal motor monitoring with bimetallic strip 	<ul style="list-style-type: none"> → Switchgear with mains-independent alarm and collective fault signal → Ready-to-plug → Tank with inspection opening and transparent cover → Analogue level measurement (4 ... 20 mA) → Non-return valve with inspection opening → Thermal motor monitoring with bimetallic strip

Series	Wilo-DrainLift SANI-XL	Wilo-EMUport CORE Wilo-EMUport FTS	Wilo-Port 600 Wilo-Port 800
Product photo			
Construction	Ready for connection and fully submersible double-pump lifting unit	Sewage lifting unit with solids separation for floor-mounted and underground installation (in a chamber)	Pump chamber with synthetic tank, as single or double-pump system
Application	Pumping of sewage containing faeces	Pumping of sewage containing faeces	Pumping of sewage containing faeces that cannot be returned to the sewer system using natural falls.
Duty chart			
Volume flow Q_{max}	49 m³/h	80 m³/h	
Delivery head H_{max}	21 m	28 m	
Technical data	<ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Operating mode: S3 10%/S1 → Fluid temperature: 3 ... 40 °C, max. 65 °C for 5 min → Tank volume: 358 l → Max. usable volume: 286 l → Pressure connection: DN 80 	<ul style="list-style-type: none"> → Mains connection: 3~400 V, 50 Hz → Operation mode: S1 → Fluid temperature: max. 40 °C → Pressure port: DN 80, DN 100 → Gross volume: 440 l, 1200 l → Switching volume: 295 l, 900 l 	<ul style="list-style-type: none"> → Pressure port: R1¼, R1½ → Inlet connection: DN 100, DN 150, DN 200 → Discharge connection pump: R1¼, R1½ → Gross volume: 340 ... 900 l
Special features	<ul style="list-style-type: none"> → Easy installation and transport thanks to light weight → High operational reliability thanks to double-pump system, a very large switching volume, thermal motor protection and mains-independent alarm → Universal use thanks to several variants (continuous duty or intermittent periodic duty, version for aggressive fluids) → Transparent reservoir cover and cleaning opening in the non-return valve ensure easy maintenance 	<ul style="list-style-type: none"> → Long service life and corrosion resistance thanks to PE/PUR material → Maintenance-friendly as all parts are accessible from outside → High operational reliability thanks to a pre-filtering of solid matter, the pumps deliver only the cleaned sewage → Retrofit system for the economic reconstruction of old pump stations 	<ul style="list-style-type: none"> → Universal use thanks to chamber extension up to 2.75 m → Max. operational reliability: antibuoyant without weights for ground water levels up to the surface of the ground → Covers up to load class D 400 → Easy maintenance thanks to surface coupling → Long service life thanks to chamber made of corrosion-free polyethylene
Equipment/function	<ul style="list-style-type: none"> → Switchgear with mains-independent alarm and collective fault signal → Ready-to-plug → Tank with inspection opening and transparent cover → Analogue level measurement (4 ... 20 mA) → Non-return valve with inspection opening → Thermal motor monitoring with bimetallic strip 	<ul style="list-style-type: none"> → Sewage lifting unit with solids separation system → Collection reservoir → 2x solids separation reservoirs → 2x sewage pumps → Complete pipework including inlet and pressure connection and nonreturn valve 	Wilo sewage pumps which can be used: <ul style="list-style-type: none"> → Drain TMW 32 → Drain TS 40 → Rexa MINI3 → Drain MTC → Rexa CUT

Ceram Coating from Wilo–effective protection from abrasion, corrosion & improves

Description:

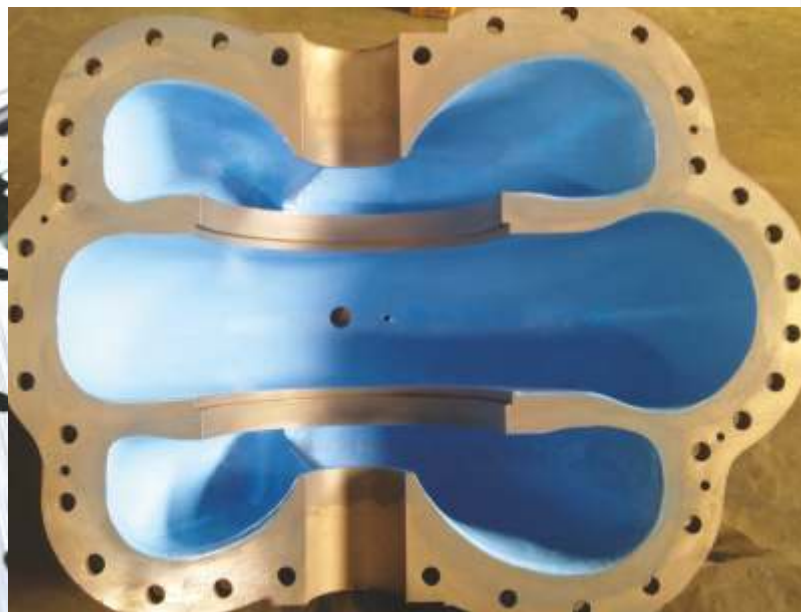
Sprayable, solvent-free, Z»component polymer coating material with portion of aluminium oxide for corrosion protection.

Composition:

Solvent – free epoxy polymer with solvent»free polyamine hardener and various extenders.

Properties:

- Tough and hard, durable coating with high mechanical and chemical resistance as well as good wear resistance
- Excellent wet adhesion as single or multilayered coating on the steel surface
- Energy efficient
- Solvent free
- Repairpossible
- Suitable for sea water
- Tested by Bundesanstalt für Wasserbau (German Federal Institute for Hydraulic Engineering)



Ceram quality	Layers	Thickness [mm]	Application
Ceram C0	1	0.4	Complete outer and inner coating
Ceram C1	1–3	1.5	Impeller and suction port coating
Ceram CZ	1	1.5	Coating of the pump housing (inside)
Ceram C3	1	3	Coating of the pump housing (inside)

Sustainable & Healthy Solution for Drinking Water Purification



Wilo Si-Filt Ultra



wilo
Si-Filt Ultra
PURE SAFE DRINKING WATER



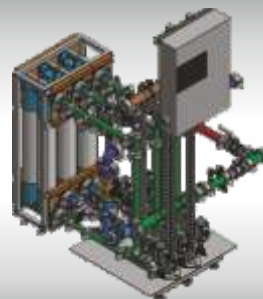
Filtration capacity
25 LPH SIBR + RO / 50 LPH SIBR
Storage capacity : 8 liter SS tank
Dispensing type : Tap



Filtration capacity
25 LPH SIBR + RO / 50 LPH SIBR
Storage capacity :
20 liter LLDPE tank for normal water
20 liter SS tank for cold water
Dispensing type : Foot operated



Filtration capacity
25 LPH SIBR + RO / 50 LPH SIBR
Storage capacity :
30 liter LLDPE tank for normal water
40 liter SS tank for cold water
5 liter SS tank for hot water
Dispensing type : Contactless

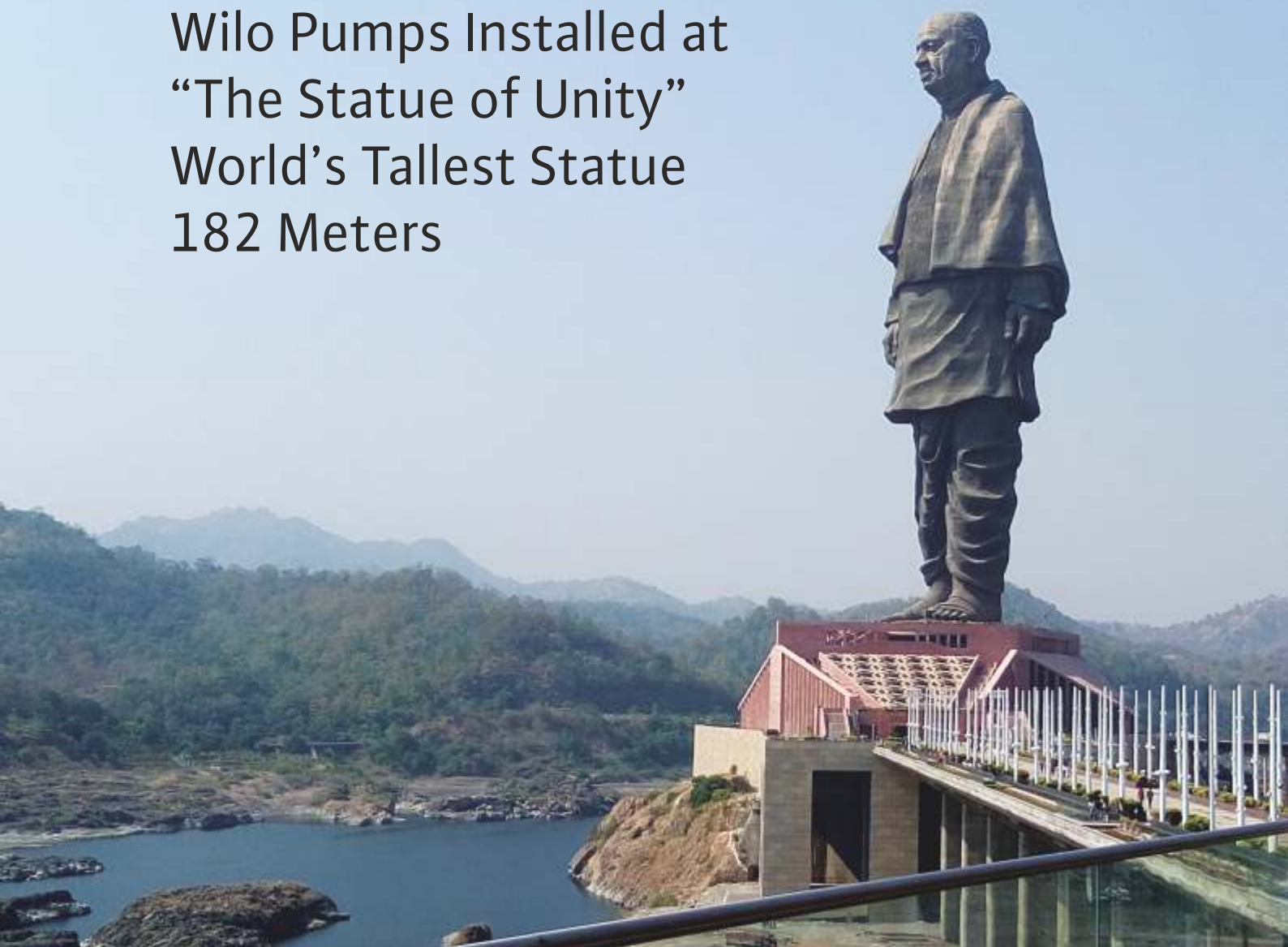


Filtration capacity
16 LPH to 1666 LPH
Storage capacity :
Safe water from
tank to taps

SUSTAINABLE DEVELOPMENT GOALS



Wilo Pumps Installed at “The Statue of Unity” World’s Tallest Statue 182 Meters



The Statue of Unity is a colossal statue of Indian statesman and independence activist Vallabhbhai Patel (1875–1950). The Statue of Unity is the world's tallest statue, with a height of 182 metres (597 feet). It is located in the state of Gujarat, India, on the Narmada River in the Kevadiya colony, facing the Sardar Sarovar Dam 100 kilometres (62 mi) southeast of the city of Vadodara and 150 kilometres (93 mi) from the city of Surat. Kevadia railway station is 5 kilometres (3.1 mi) from the statue. The statue is installed with multiple pumping systems for plumbing and it also supplied water at the viewing gallery which is located around 150 meters high.

Location: Kevadia, India. Project: Statue of Unity

Pioneering for You



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