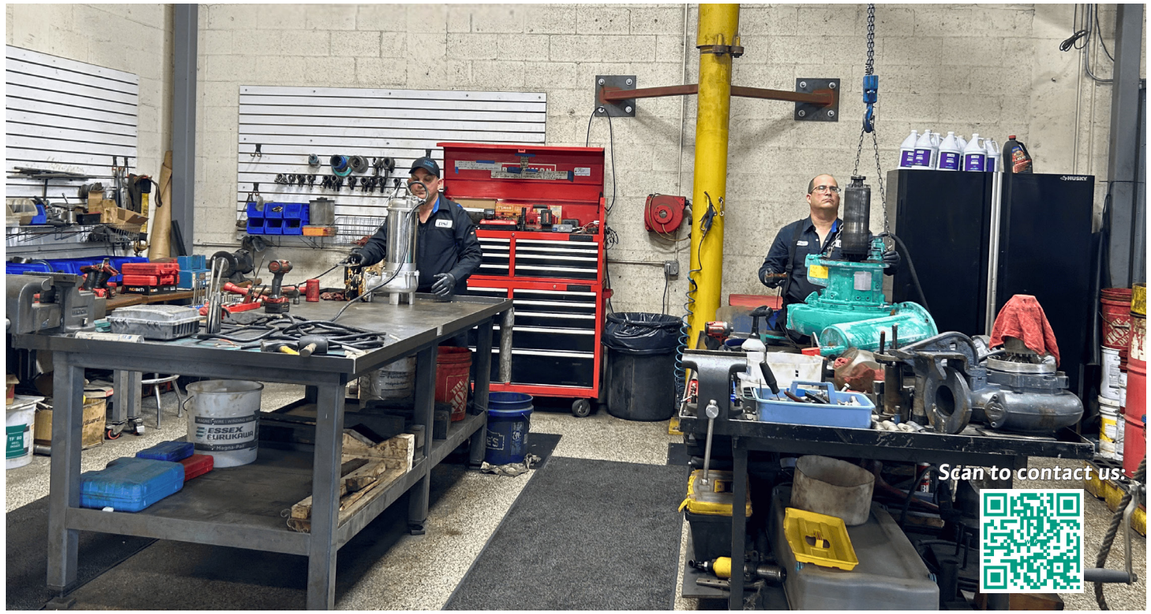
North America – 60 Hz.

Water Management Product Guide

Our Solutions for Water Supply, Wastewater Transport, and Sewage Treatment.

The Wilo-Aftermarket Service

Service Beyond Expectation



Wilo USA Aftermarket Pump Repair and Field Service Capabilities

The Aftermarket Team is designed to support users in all aspects of new, and existing, pumping equipment sales. Wilo USA's Aftermarket Team consists of sales professionals who are dedicated to helping customers source OEM parts, providing factory service & warranty support, and assisting with in-field equipment commissioning, troubleshooting, and repairs. Reach out to our skilled team of experts and experience the best service our Industry has to offer. By choosing the Wilo USA Aftermarket Team for pump service & repairs, you can rest assured that your equipment will perform to OEM standards, thereby providing your clients with the cost-savings and satisfaction guarantee they've come to expect and deserve.

Field capabilities (Wilo, American-Marsh Pumps, Scot Pump, and Weil Pump)

- → Start-up services for new installations
- → End-user training on our equipment
- → Provide regular and predictive maintenance to the installed equipment
- → Service agreements
- → Troubleshoot existing installations if necessary

Tool and Equipment Resources

- → **Wilo Care** – Field installed monitoring equipment for remote analysis of equipment.
- → **Connect Tool** – Standalone tool that tracks potential disturbances on-site (pressure, vibration, temperature, etc.). We connect to the end-user product and monitor via the cloud.
- → **Field Equipment** – Flowmeters, vibration monitors, laser alignment equipment, 3D scanning and modeling, etc.

Inhouse Pump Service Support

- → Pump repairs, rehabs, and modifications to any existing pumping equipment
- → Wilo's technical abilities involve disassembly, inspection, repair, and rebuild to extend the equipment's life

Authorized Service Centers (ASCs) are designed to be an extension of Wilo and offer repair services for the installed equipment. We are in the process of evaluating and adding additional ASCs to support the American-Marsh product lines.

Contact Us: 262-204-6600

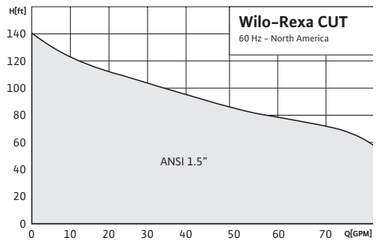
CONTENT

wilo®

The Wilo Group is a multinational technology group and one of the world's leading premium suppliers of pumps and pump systems for building services, water management and the industrial sector. The last decade has seen us move from a hidden to a visible and connected champion. Wilo currently employs more than 9,000 people around the globe. With innovative solutions, smart products and individual services, we make water move using intelligent, efficient and eco-friendly techniques. We are already digital pioneers in the industry with our products and solutions, processes and business models.. In 2017 Wilo acquired the assets of Cedarburg, WI manufacturers Weil Pump, Scot Pump, and Karak Machine Co., followed by American-Marsh Pumps in 2019, QuantumFlo, Inc. in 2021, and PLAD in 2023.

Wilo-Rexa CUT

Submersible Sewage Pumps with Macerator



Application

- → Domestic Sewage
- → Municipal Pressure Sewer
- → Residential Pressure Sewer

Max. Flow

80 GPM

Max. Head

140 feet

Features & Benefits

- → High-operational reliability through spherically-formed macerator with pulling cut
- → Cutter design yields fine solids for non-clogging operation
- → Resistant to obstructions and blockages
- → Sealing chamber
- → Long service life through a high-quality motor seal with two independent mechanical seals and optional pencil electrode for sealing chamber control
- → cCSAus approval

Technical Data

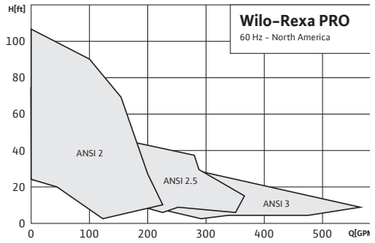
- → Power connections: 1~230 V/60 Hz, 3~230 V/60 Hz or 3~460 V/60 Hz
- → Submerged operating mode: continuous duty (S1)
- → Non-submerged operating mode: rated minutes operation (S2-15 or S3 10%)
- → Submerged under pressure (IP 68)
- → Insulation class: F
- → Max. fluid temp: 37 °F-104 °F (3°C-40 °C)

Materials of Construction

- → Cast Iron volute
- → Cast Iron impeller
- → Stainless Steel motor housing
- → Seals: SiC/SiC (pump side), C/MgSiO4 (Motor)
- → Macerator: Stainless Steel AISI 440B+Co

Wilo-Rexa PRO

Submersible Sewage Pumps



Application

- → Wastewater and Sewage
- → Domestic and Site Drainage
- → Sludges up to 8% Dry Matter
- → Municipal and Industrial Applications

Max. Flow

550 GPM

Max. Head

110 feet

Features & Benefits

- → Clog-resistant vortex and 1-vane
- → FM explosion-proof rated
- → Dual mechanical shaft seals
- → Watertight cable inlet
- → Quick and easy installation

Technical Data

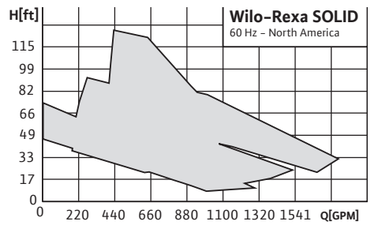
- → Electrical connections: 1~ 230v, 3~ 230v, 460v
- → Protection class: IP 68, Insulation class: F
- → Max. fluid temp: 37°F-104°F (3°C-40°C)
- → Wet pit only
- → Solids passage up to 3 in
- → Max. immersion depth: 66 ft (20m)

Materials of Construction

- → Cast Iron volute, impeller and motor housing
- → Seals: SiC/SiC (pump side), C/MgSiO4 (motor)\

Wilo-Rexa SOLID-Q

Submersible Sewage Pump with Nexos Intelligence



Application

- → Untreated Sewage
- → Wastewater
- → Process water

Max. Flow

1,805 GPM

Max. Head

124 feet

Features & Benefits

- → Integration of Nexos Intelligence
- → Self-cleaning hydraulic design in combination with automatic cleaning cycles
- → Optional Digital Data Interface (DDI) with integrated vibration monitor, data logger and web server for convenient system monitoring
- → IE4/IE5 Permanent magnet motor, adjustment of the duty point by speed variation

Technical Data

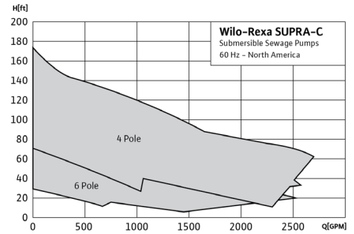
- → Immersed operating mode: S1
- → Non-immersed operating mode:
  S1 with self-cooling motor
  S2 with surface-cooled motor
- → Max. immersion depth: 66 ft (20m)
- → Fluid temperature: max. 104°F (40°C)

Materials of Construction

- → Enhanced corrosion protection with the optional Ceram coating for a longer lifetime
- → Cast Iron volute and motor housing
- → Automatic detection and removal of clogging reduce downtime and service call-outs
- → Convenient control and connectivity with the local network via the integrated web server and Ethernet interface with established protocols in the pump
- → Integrated pump control in multiple execution increase operational reliability in the event of a fault

Wilo-Rexa SUPRA

Submersible Sewage Pumps



Application

- → Untreated Sewage
- → Wastewater
- → Process water
- → Wastewater

Max. Flow

2,695 GPM

Max. Head

174 feet

Features & Benefits

- → Wet pit and dry well installation
- → High operational reliability due to hydraulic design non-susceptible to clogging
- → Easy integration into system control and monitoring of the pump with the optional Wilo-DDI
- → Long service life in abrasive and corrosive fluids thanks to different Ceram coatings
- → Customer-specific solutions thanks to comprehensive configuration options

Technical Data

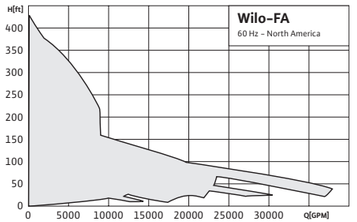
- → Pumping fluids up to 140 °F (60 °C)
- → Up to 80% hydraulic efficiency
- → Operating Mode: S1 non-immersed or immersed, depending on motor type
- → Optional Ex protection

Materials of Construction

- → Grey Cast Iron pump housing and impeller
- → Single-channel impeller
- → Optional Ceram Coatings: C0, C1, C2/C3
- → Asyrnchronous-submersible motor drive system

Wilo-FA

Submersible Sewage Pumps



Application

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

Max. Flow

40,000 GPM

Max. Head

420 feet

Features & Benefits

- → Rugged design for portable, wet pit, and dry well installation
- → Shaft-short overhang/large diameter
- → L3/D4 Shaft bending ratio lowest in industry
- → Continuous operation possible in Q vs H curve extremes
- → Internally closed loop cooled motors available
- → FM explosion-proof rated

Technical Data

- → S1 Operating mode (continuous duty)
- → Protection class: IP 68
- → Max. temp: 104°F (40°C) (higher temperatures on request)
- → Silicon carbide mechanical seals

Materials of Construction

- → Cast Iron volute (standard)
- → Stainless Steel standard shaft
- → For corrosive fluids, the external surfaces can be coated with Wilo-Ceram
- → Optional materials of construction and coatings available

Wilo-FA Options

SOLID Impeller, Block Seal, Materials, Designs

SOLID Impeller

- → Applications: high solids content (rags and fibrous), untreated sewage, local drainage
- → Smooth operation in wet and dry well installation
- → Simple installation via suspension unit or pump base
- → Impeller trimmed to specific duty point
- → Free passage: 3x4-7x7 in (78x105 - 170x170 mm).

Enclosed Block Seal

Mechanical shaft seals of high-wear resistant silicon-carbide at the motor and pump-side integrated in a Stainless Steel cartridge

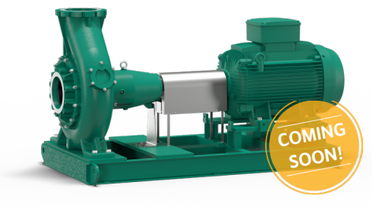
- → Short-height compact design (short-shaft overhang)
- → High operation safety
- → Durable and long life
- → Operation independent of the direction of rotation

Special Materials

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

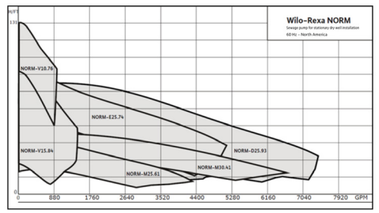
Special Designs

- → Mechanical mixing head
- → Cast Stainless Steel
- → High chrome Cast Iron



Wilo-Rexa NORM

Sewage pump for stationary dry well installation in continuous operation



Application

- → Untreated Sewage
- → Process Water
- → Wastewater

Max. Flow

7,920 GPM

Max. Head

131 feet

Features & Benefits

- → Optimized impellers and low NPSH values facilitate smooth operation – even under partial or overload conditions.
- → High overall efficiency ensures low operating costs
- → Optimized design in the bearing bracket and additional sealing gap on the mechanical seal on the fluid side provide high reliability
- → Shut "back pull out" unit: Dismantling without draining the oil in the sealing chamber.

Technical Data

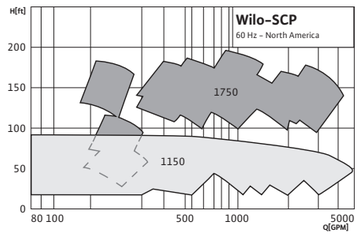
- → Fluid temperature: 37 to 158 °F
- → Ambient temperature: 37 to 104 °F

Materials of Construction

- → Hydraulics housing & Impeller: EN-GJL 250
- → Hydraulics shaft: stainless steel 1.4021
- → Bearing bracket: EN-GJL-250
- → Static gaskets: NBR
- → Sealing on pump side: SiC/SiC
- → Sealing on motor side: NBR
- → Coupling: stainless steel
- → Baseplate: EN-GJL 250 or steel (dependent on type)

Wilo-SCP

Split Case Pumps



Application

- → Transfer and Pressure Boosting
- → Boiler Feed/Condensate
- → Municipal Water Supply
- → Irrigation
- → Industrial Applications

Max. Flow

5,000 GPM

Max. Head

180 feet

Features & Benefits

- → Horizontal split casing allows replacement of bearings and mechanical seal without disturbing the system piping
- → Double suction design available for maximum efficiencies
- → Hydraulically balanced double-suction impeller for minimal axial thrust
- → Tongue and groove neck ring design eliminates seizing of rotating assembly
- → Pump shaft guards

Technical Data

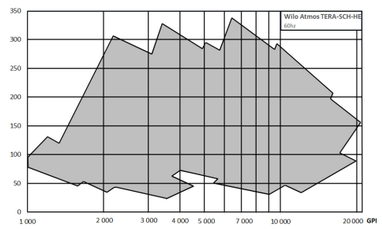
- → Fluid temp range: 18°F to 250°F (-8°C to 120°C)
- → Available in sizes up to 500HP

Materials of Construction

- → Different material specs available
- → Different seal types available
- → Standard Configuration: Cast Iron volute, Bronze impeller, stainless steel shaft, C/SiC/EPDM Mechanical seal, NEMA standard motors

Wilo-Atmos TERA-SCH-HE

Base Mounted Split Case Pump



Application

- → HVAC
- → Water Supply
- → Process

Flow Range

1,000 GPM – 20,500 GPM

Head Range

65 feet – 770 feet

Features & Benefits

- → Robust Performance: Designed for efficiency and durability, meeting the rigorous demands of municipal operations
- → Trusted Reliability: Built with state-of-the-art hydraulics to optimize low NPSH requirements
- → Welded base frame with easy alignment
- → Easy maintenance

Technical Data

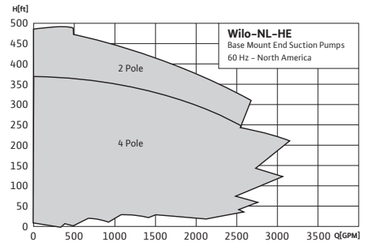
- → Fluid Temperature: 18°F to 248°F (212°F for gland packing version)
- → Max. Operating Pressure Rating: 175 PSI (12 bar) or 232 PSI (16 bar) depending on the size of pump

Materials of Construction

- → Pump Housing: ASTM 2001 A48 CLASS-35 high grade cast iron
- → Pump Shaft: ASTM A276, GR. 410 Stainless Steel
- → Impeller: ASTM A743 Gr.CF8 Stainless Steel

Wilo-NL-HE

Base Mounted End Suction Pumps



Application

- → Heating and Cooling Systems
- → Air Conditioning
- → Municipal Water Supply
- → Pressure Boosting
- → Raw Water Intake
- → Irrigation/Agriculture
- → Industrial Process

Max. Flow

3,000 GPM

Max. Head

475 feet

Features & Benefits

- → Stainless Steel impeller
- → High-efficiency
- → Improved Hydraulic design
- → Energy savings
- → Cataphoretic coating of all cast iron components
- → High corrosion resistance
- → Long service life
- → Easy maintenance
- → C-channel construction welded base

Technical Data

- → Fluid temp range: -4 °F to 284 °F
- → ANSI Class 125
- → Maximum operating pressure of 232 PSI
- → Main connections: - 3~[208-230/460V, 575V] 60Hz
- → EN 1.4408 (equivalent: AISI 316) Stainless Steel impellers
- → DIN 1.4021 (Equivalent: 420) Stainless Steel pump shaft
- → Antimony Impregnated Carbon/Silicon Carbide/EPDM(E1) Stainless Steel spring & body mechanical seal
- → NEMA Premium efficient motors

Materials of Construction

- → Stainless Steel Impeller and pump shaft
- → Carbon/silicon carbide/EPDM (E1) mechanical seal

Wilo-Vertical Turbine NSF

Open Lineshaft Pumps

Application

- → Potable Water
- → Water Well

Max. Flow

30,000 GPM

Max. Head

1,000 feet

Features & Benefits

- → Open lineshaft design
- → Packing and cartridge seal options
- → Threaded column pipe up to 12"
- → Flanged column pipe up to 24"
- → Drop in or fabricated bearing retainers
- → Threaded or keyed lineshafts up to 2-15/16"
- → Optional suction can / barrel
- → Epoxy coatings

Technical Data

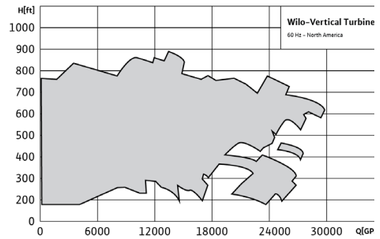
- → Certified to NSF/ANSI/CAN 61 & 372
- → Cold (73 °F / 23 °C) water contact temperature
- → Colleted impellers 6" - 15"
- → Keyed impellers 16" - 42"
- → Bowl sizes 6" - 42"

Materials of Construction

- → Lead-free construction
- → Enclosed 304 or 316 Stainless Steel impellers
- → Cast Iron bowls
- → Enamel lined bowls up to 16"
- → Fabricated Steel & Cast Iron discharge heads

Wilo-Vertical Turbine

Open & Enclosed Lineshaft and Submersible Pumps



Application

- → Steel Mill
- → Power Plant
- → Commercial
- → Municipal
- → Mining
- → Irrigation
- → Water Well

Max. Flow

30,000 GPM

Max. Head

1,000 feet

Features & Benefits

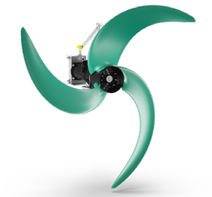
- → Modular design enameled bowls through 16" for VT
- → Cast Iron, 316 Stainless Steel fitted for VT
- → Cast Iron, Bronze fitted for axial & mixed flow pumps
- → Cast Iron or fabricated Steel discharge heads
- → Semi-open, enclosed, axial & mixed flow impellers

Technical Data

- → Temperature up to 180°F
- → Bowl diameters: 5"-42"

Materials of Construction

- → Cast Iron
- → Bronze or Stainless Steel fitted
- → Optional metallurgies available



Wilo-TR(E)

Slow-Speed Submersible Mixers with Planetary Gear

Application

- → Mixing deposits and solids in rain spillway basin and pump sump
- → Breaking down of sludge layers
- → Agriculture
- → Water supply
- → Wet wells

Thrust

32–292 lbf (145–1300N)

Features & Benefits

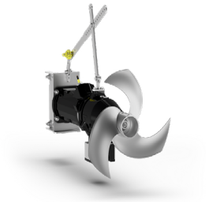
- → Compact directly driven submersible mixer
- → Stationary installation on walls and floors
- → Can be swiveled vertically and horizontally for installation with lowering device
- → ATEX and FM versions
- → Self-cleaning propeller with helix hub
- → Easy-to-install propeller attachment

Technical Data

- → Submerged operating mode: S1 (continuous duty)
- → Max. temp: 104°F (40°C)
- → Protection class: IP 68
- → Permanently lubricated anti-friction bearing

Materials of Construction

- → Stainless Steel motor shaft
- → Stainless Steel propeller
- → SiC/SiC combination mechanical seal



Wilo-TR(E)

Medium-Speed Submersible Mixers with Planetary Gear

Application

- → Mixing deposits and solids in rain spillway basin and pump sump
- → Breaking down of sludge layers
- → Agriculture
- → Water supply
- → Wet wells

Thrust

32–292 lbf (145–1300N)

Features & Benefits

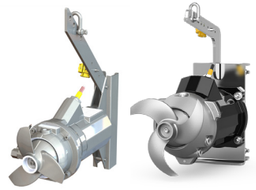
- → Compact directly driven submersible mixer
- → Stationary installation on walls and floors
- → Can be swiveled vertically and horizontally for installation with lowering device
- → ATEX and FM versions
- → Self-cleaning propeller with helix hub
- → Easy-to-install propeller attachment

Technical Data

- → Submerged operating mode: S1 (continuous duty)
- → Max. temp: 104°F (40°C)
- → Protection class: IP 68
- → Permanently lubricated anti-friction bearing

Materials of Construction

- → Stainless Steel motor shaft
- → Stainless Steel propeller
- → SiC/SiC combination mechanical seal



Wilo-Flumen OPTI-TR, EXCEL-TRE

High-Speed Submersible Mixers

Application

- → Mixing and circulation of activated sludge
- → Flow generation in water channels
- → Industry
- → Oxidation Ditches

Thrust

97–989 lbf (430–4400N)

Features & Benefits

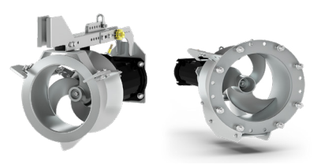
- → Slow-running submersible mixer with two-stage planetary gear
- → Flexible installation
- → 2-stage planetary gear for adjusting the propeller speed
- → Self-cleaning propeller
- → Propeller blades can be replaced individually
- → Easy-to-install blades and hub
- → ATEX and FM versions
- → "TRE" with IE3 performance optimized motors

Technical Data

- → Submerged operating mode: S1 (continuous duty)
- → Max. temp: 104°F (40°C)
- → Protection class: IP 68
- → Two-stage planetary gear with exchangeable second planetary stage
- → Permanently lubricated anti-friction bearing

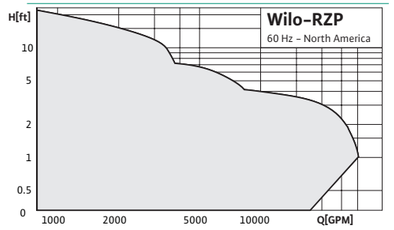
Materials of Construction

- → GFK/VE or PA6C propeller
- → Stainless Steel gear shaft
- → SiC/SiC combination mechanical seal



Wilo-Flumen OPTI-TR, EXCEL-TRE

Recirculation Pump



Application

- → Low head water/sewage delivery at high flow rates
- → Process, raw, pure, and cooling water
- → Generation of fluid current in water channels

Max. Flow

30,000 GPM

Max. Head

17 feet

Features & Benefits

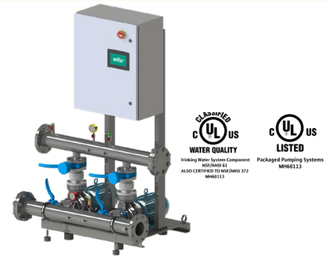
- → Submersible, compact installation unit
- → In-line design
- → Energy efficient, flow-optimized, self-cleaning propellers, partially with helix hub
- → Low cost in-basin piping
- → FM-Ex rated
- → Pump station wet wells are no longer necessary
- → Easy installation and removal
- → The special blade design provides gentle pumping of water, sewage, and activated sludge

Technical Data

- → Submerged operating mode: S1 (continuous duty)
- → Max temp: 104°F (40°C)
- → Protection class: IP 68
- → Units are planetary gear or direct driven

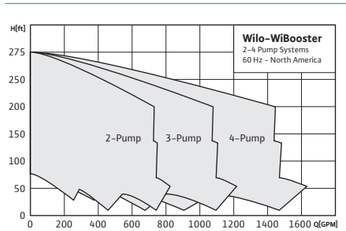
Materials of Construction

- → PUR or Stainless Steel propeller



Wilo-WiBooster

2–4 Pressure-Boosting Systems



Application

- → Water Supply
- → Pressure Boosting
- → Agriculture
- → Washing/Sprinkling Systems
- → Cooling Circuits
- → Condensate Return

Max. Flow

1,600 GPM

Max. Head

275 feet

Features & Benefits

- → Includes Scot 320–328 series Stainless Steel pumps
- → Real-time diagnostics and remote monitoring
- → Full system kWh energy reporting
- → Easy to use 7" touchscreen interface
- → Onboard Modbus and optional BACnet™, LonWorks® interface modules
- → Adjustable low pressure cut-out
- → Balanced run time for all pumps

Technical Data

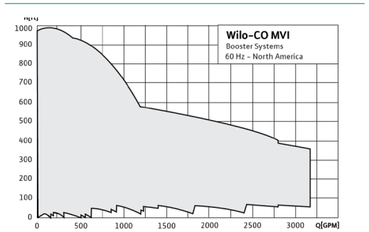
- → Fluid temp range: -4°F to 140°F (-20°C to 60°C) with a minimum of 32°F for domestic water
- → Premium efficient NEMA motors
- → VFD-Controlled system operation
- → 4–20 mA, ¼" Stainless Steel Pressure Transducers
- → Rated pressure: 150 PSI
- → Flange connection: 150 Class ANSI

Materials of Construction

- → All wetted components are of 304 Stainless Steel construction
- → Entire packaged systems are listed under UL for NSF 61 and NSF 372
- → Entire packaged systems are listed under UL for QCZJ packaged pumping systems
- → EPDM/FKM elastomers
- → Type 21 Mechanical seal

Wilo-CO-MVI

2–4 Pump Pressure-Boosting Systems



Application

- → Water Supply
- → Pressure Boosting
- → Agriculture
- → Washing/Sprinkling Systems
- → Cooling Circuits
- → Condensate Return

Max. Flow

3,160 GPM

Max. Head

989 feet

Features & Benefits

- → 33HP–100HP per pump (up to four pumps in parallel)
- → Smaller footprint allows for installations into tight areas
- → Real-time diagnostics and remote monitoring
- → Full system kWh energy reporting
- → Easy to use 7" touchscreen interface
- → Onboard Modbus and optional BACnet™, LonWorks® interface modules
- → Variable speed control per pump
- → Adjustable low pressure cut-out
- → Balanced run time for all pumps

Technical Data

- → Fluid temp range: -4°F to 248°F (-20°C to 120°C) with a minimum of 32°F for domestic water
- → Electrical connections: 3~208 230/460/575V
- → Rated pressure: 232/363 PSI
- → System flange connection: 150 Class ANSI or 300 Class ANSI
- → TEFC motors standard

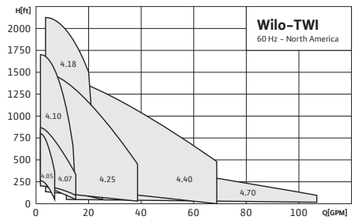
Materials of Construction

- → All 304 Stainless Steel construction
- → Entire packaged systems are listed under UL for NSF 61 and NSF 372
- → Entire packaged systems are listed under UL for QCZJ "packaged pumping systems"
- → EPDM/FKM elastomers
- → Mechanical seal options: Tungsten Carbide/EPDM, or optional Viton®/FKM

Drinking Water
NSF / ANSI 61

Wilo-TWI

4" Stainless Steel Well Pumps



Application

- → Potable Water Supply
- → Irrigation
- → Municipal
- → Pressure Boosting
- → Agriculture
- → Industrial Process

Max. Flow

110 GPM

Max. Head

2,200 feet

Features & Benefits

- → Motors and pump ends certified to NSF/ANSI 61 listed with CSA
- → Vertical and horizontal installation possible
- → Motors up to 250 HP
- → Control boxes and VFD's available
- → NEMA standard mounting specs
- → High-quality shaft bearings
- → Check valve standard on all models
- → Stainless Steel construction
- → Additional models available on request

Technical Data

- → Electrical connections: 1~115/230v 3~230/460/575v
- → Temp range: 37°F to 122°F (3°C to 50°C)
- → Max. sand content: 50 ppm
- → Max. immersion depth: 1000'
- → Protection Class: IP 68

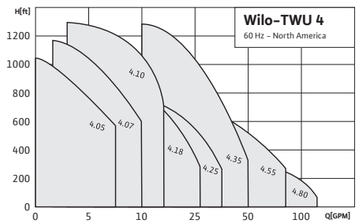
Materials of Construction

- → Stainless Steel construction
- → Carbon/Graphite/PTFE stop ring
- → Stainless Steel/NBR neck ring
- → NBR Bearing

Drinking Water
NSF / ANSI 61

Wilo-TWU

4" Stainless Steel Well Pumps with Noryl Impellers



Application

- → Potable Water Supply
- → Irrigation
- → Municipal
- → Pressure Boosting
- → Agriculture
- → Industrial Process

Max. Flow

110 GPM

Max. Head

2,400 feet

Features & Benefits

- → Motors certified to NSF/ANSI 61 listed with CSA
- → Noryl impellers for maximum wear and abrasive resistance
- → High-quality shaft bearings for long life and easy installation
- → Optional VFD's and control boxes available
- → NEMA standard mounting specifications
- → Vertical and horizontal installation possible
- → Check valve standard on all models
- → Additional models available on request

Technical Data

- → Electrical connections: 1~115/230v 3~230/460/575v
- → Temp range: 37°F to 95°F (3°C to 35°C)
- → Max. sand content: 50 ppm
- → Max. immersion depth: 1000'
- → Protection Class: IP 68

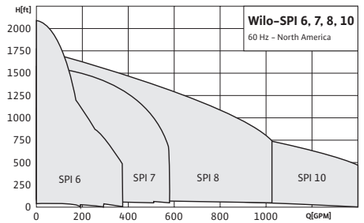
Materials of Construction

- → Stainless Steel construction
- → Noryl impellers & shaft sleeve
- → Glass-filled Polycarbonate Bearing spider & diffuser
- → NBR O-ring
- → Polyacetal Bearing

NSF
Certified to NSF/ANSI 61 & 372

Wilo-SPI

6"- 10" Stainless Steel Well Pumps



Application

- → Potable Water Supply
- → Irrigation
- → Municipal
- → Pressure Boosting
- → Agriculture
- → Industrial Process

Max. Flow

1,400 GPM

Max. Head

2,200 feet

Features & Benefits

- → Certified to NSF/ANSI 61 & 372
- → Vertical and horizontal installation possible
- → Motors up to 250 HP
- → Control boxes and VFD's available
- → NEMA standard mounting specs
- → High-quality shaft bearings
- → Check valve standard on all models
- → Stainless Steel construction
- → Additional models available on request

Technical Data

- → Electrical connections: 1~115/230v 3~230/460/575v
- → Temp range: 37°F to 122°F (3°C to 50°C)
- → Max. sand content: 50 ppm
- → Max. immersion depth: 1000'
- → Protection Class: IP 68

Materials of Construction

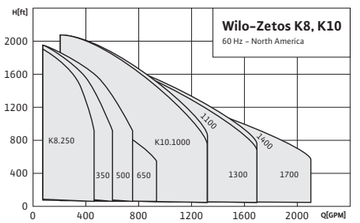
- → Carbon/Graphite/PTFE Stop ring
- → Stainless Steel/NBR neck ring
- → NBR Bearing

BEST IN CLASS EFFICIENCIES!

CLASSIFIED cULus WATER QUALITY
Drinking Water System Component
NSF/ANSI 61
ALSO CERTIFIED TO NSF/ANSI 372
MH60213

Wilo-Zetos K8, K10

8"-10" Heavy-Duty Cast Stainless Steel Submersible Pumps



Application

- → Drinking Water Supply
- → Clean Water Treatment
- → Water Supply
- → Pressure Boosting
- → Irrigation
- → Agriculture
- → Industrial Process
- → Offshore

Max. Flow

2,070 GPM

Max. Head

2,100 feet

Features & Benefits

- → NSF/ANSI 61 & 372 certified
- → M6-M8-M9-M12 motor options
- → ZK8 up to 84% hydraulic efficiency
- → ZK10 up to 88% hydraulic efficiency
- → Optional Ceram® coating (call for options)
- → Ceram® CT for higher efficiency and longer life on drinking water applications
- → Ceram® CP high-temp Teflon coating for industrial applications

Technical Data

- → Electrical connection: 3~200V-2300V
- → Liquid temp range: 32°F to 122°F (0°C to 50°C)
- → Max. sand content: 150 ppm
- → Max. immersion depth: 1000'
- → Protection class: IP 68

Materials of Construction

- → Stainless Steel housing parts and impellers (EN 1.4408)
- → K8: Threaded connection with non-return valve
  K10: Threaded connection or flange connection, each with non-return valve

Drinking Water
NSF / ANSI 61

Wilo Submersible Motors

4"-12" Motors

4" Standard Submersible Motors

- → Certified to NSF/ANSI 61
- → Stainless Steel for maximum corrosion resistance
- → Equipped with surge arrestors on 115/230v models
- → Automatic thermal overload protection
- → Efficient 2-wire motors
- → Electrical connections: 1~115/230v and 3~230/460/575v
- → Max. temp: 86°F (30°C)
- → 48" cable length for ½-1½ HP models
- → 100" cable length for 2+ HP models

4" & 6" Standard Encapsulated Motors

- → H.D. Sand Sealing System (3S)
- → Dual flange for easy connection
- → 5-60 HP
- → Available in 3~ 230/460/575v
- → NEMA standard flange
- → Durable stainless steel motor housing
- → Available 2 or 3 wire connections
- → Max temp: 95°F (35°C)
- → IP68 insulation

6"-10" Standard Submersible Motors

- → Electrical connections: 3~230/460/575/1000v
- → NEMA standard flange
- → Standard temp: 95°F (35°C)
- → High temp: 176°F (80°C)
- → NEMA splined shaft
- → pH 6.5-8.0
- → Durable Stainless Steel motor housing
- → 304 & 316 available

6"-12" NU Rewindable Submersible Motors

- → Rewindable motor stator
- → Voltages up to 6000v
- → High-temp models available
- → Custom power cable lengths
- → Cast Iron, 304 Stainless Steel, 316 Stainless Steel, Bronze, and duplex Stainless Steel configurations available
- → Optional PT100 thermistor
- → High-quality thrust bearings
- → Water-filled design

480 Series Vertical Turbine NSF

Open Lineshaft Pumps

Certified to NSF/ANSI/CAN 61 & 372

Application

→ Potable Water
→ Water Well

Max. Flow

30,000 GPM

Max. Head

1,000 feet

Features & Benefits

→ Open lineshaft design
→ Packing and cartridge seal options
→ Threaded column pipe up to 12”
→ Flanged column pipe up to 24”
→ Drop in or fabricated bearing retainers
→ Threaded or keyed lineshafts up to 2-15/16”
→ Optional suction can / barrel
→ Epoxy coatings

Technical Data

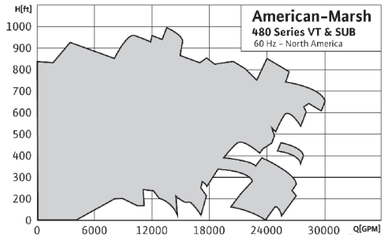
→ Certified to NSF/ANSI/CAN 61 & 372
→ Cold (73 °F / 23 °C) water contact temperature
→ Colleted impellers 6” - 15”
→ Keyed impellers 16” - 42”
→ Bowl sizes 6” - 42”

Materials of Construction

→ Lead-free construction
→ Enclosed 304 or 316 Stainless Steel impellers
→ Cast Iron bowls
→ Enamel lined bowls up to 16”
→ Fabricated Steel & Cast Iron discharge heads

480 Series Vertical Turbine

Open & Enclosed Lineshaft, Submersible, Axial & Mixed Flow Pumps



Application

→ Steel Mill
→ Power Plant
→ Commercial
→ Municipal
→ Mining
→ Irrigation
→ Water Well

Max. Flow

30,000 GPM

Max. Head

1,000 feet

Features & Benefits

→ Modular design enameled bowls through 16” for VT
→ Cast Iron, 316 Stainless Steel fitted for VT
→ Cast Iron, Bronze fitted for axial & mixed flow pumps
→ Cast Iron or fabricated Steel discharge heads
→ Semi-open, enclosed, axial & mixed flow impellers

Technical Data

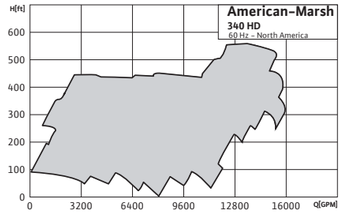
→ Temperature up to 180°F
→ Bowl diameters: 5”-42”

Materials of Construction

→ Cast Iron
→ Bronze or Stainless Steel fitted
→ Optional metallurgies available

340 Series HD

Double Suction Splt Case Pumps



Application

→ Circulation
→ Booster
→ HVAC
→ Transfer
→ Cooling Tower
→ Agriculture & Irrigation
→ Mining

Max. Flow

16,000 GPM

Max. Head

550 feet

Features & Benefits

→ Double suction impellers
→ Heavy-duty construction
→ Replaceable bearings without full disassembly
→ Case wear rings
→ Internal plan 1 flush

Technical Data

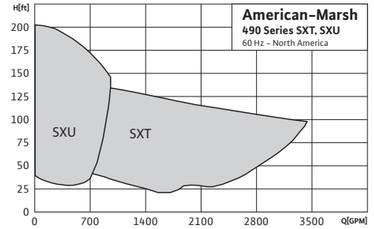
→ Temperature up to 180°F
→ Base mounted, flex-coupled
→ Discharge sizes: 2.5”-14”

Materials of Construction

→ Cast Iron
→ Bronze fitted
→ Packed or mechanical seal
→ Optional metallurgies available

490 Series SXT & SXU

Self-Priming Pumps



Application

→ Lift Station
→ Sewage
→ Storm Water
→ Sewer Bypass

Max. Flow

3,250 GPM

Max. Head

200 feet

Features & Benefits

→ Self-priming
→ Solids handling semi-open impeller
→ Replaceable wear plate
→ Wear plate clearance adjustment without disturbing rotating assembly
→ No special tools required to adjust clearance
→ Back pull-out rotating assembly
→ Belt driven & flex coupled
→ Separate seal and bearing reservoirs with 2 sight glasses

Technical Data

→ Temperature up to 160°F
→ Discharge sizes: 3”-10”

Materials of Construction

→ Cast Iron casing
→ Ductile Iron wear plates
→ Nitrile rubber gaskets
→ Ductile iron impeller
→ SilCar/SilCar/Viton/316 SS Seal

Motors

Vertical, Horizontal & Submersible

Application

→ Agriculture & Irrigation
→ Commercial/HVAC
→ Industrial
→ Municipal
→ Fire

Features & Benefits

→ Horizontal, Vertical & Submersible
→ WPI, TEFC, ODP
→ Canned style submersibles

Technical Data

→ Multiple HP ranges
→ 1/2 HP to over 1,000 HP
→ 50 Hz & 60 Hz
→ Speeds: 514-3,600 RPM

Materials of Construction

→ Industry Standard

ATL, PWS, VFD

Control Panels

Application

→ Agriculture & Irrigation
→ Commercial/HVAC
→ Industrial
→ Municipal

Features & Benefits

→ NEMA Type 1
→ NEMA Type 3
→ NEMA Type 3R

Materials of Construction

→ Cast Iron
→ Bronze or Stainless Steel fitted
→ Optional metallurgies available

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