



*2024 - North America - 60 Hz.*

## Product Guide

Our Solutions for HVAC, Water Supply, Drainage and Sewage.

# Join the evolution.



Pioneering for You

**wilo**

evolution  
ecologic  
innovation  
economic  
**ecolution**

solution  
evolution  
ecologic  
economic  
innovation  
**solution**

A dynamic splash of water with several ice cubes and numerous bubbles, set against a dark teal background. The water is captured in mid-air, creating a sense of movement and freshness.

## Join the ecolution.

In a world of constant growth, where our climate is changing and where energy and water shortages are challenging us worldwide – it is up to us to do something. But keeping up with the world's changes is not always easy. We need to find solutions that are both economic and ecological. We need to stimulate innovation and find revolutionary ways to face the challenges of our time and the future.

Our pumps, systems and solutions are characterized by a maximum of high efficiency, sustainability and operational reliability. Our customers benefit from our decades of experience and the latest know-how throughout the whole water cycle – for future-proof water supply and sewage disposal.

This is your chance! Be the person who positively shapes the future of water management.



# CONTENT

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## ■ **WILO USA LLC**

Pumps and systems for building services, water management, and groundwater applications.

30-41

## ■ **SCOT PUMP**

Close-coupled cast iron, stainless steel, bronze and marine-specific pumps for OEM applications.

42-51

## ■ **WEIL PUMP**

Heavy-duty pumps and systems for sump and sewage applications, accessories, and controls.

52-59

## ■ **AMERICAN-MARSH PUMPS**

End suction, process sump, non-clog, split-case, vertical multistage, vertical, and submersible turbines.

60-63

## ■ **QUANTUMFLO**

Prepackaged pump skids for domestic water pressure boosting.

64-69

## ■ **PLAD**

Vertical Inline pumps closed couple and spacer coupled w/ senseless technology, end suction closed coupled and frame mounted pumps, domestic water boosters, and irrigation pump assemblies.





# wilo®

WILO USA LLC, a subsidiary of WILO SE, is one of the world's leading manufacturers of pumps and pump systems for building services, the entire water management chain, and industry. The company, whose sales reached more than 1.7 billion euros in 2021, has its eyes fixed on the future and is heavily involved in research and development. Based in Dortmund, WILO SE is increasingly moving away from being just a supplier of components and moving toward being a system supplier. The Wilo name is internationally recognized as being synonymous with high-tech in the pump industry. Wilo employs around 8,000 employees in over 70 subsidiaries around the world. 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, and QuantumFlo, Inc. in 2021.





W66N1253

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# Building Services

**Pumps and systems for heating, air conditioning, cooling, pressure boosting, water supply, and sewage disposal in residential and commercial buildings.**







## Wilco-Stratos MAXO

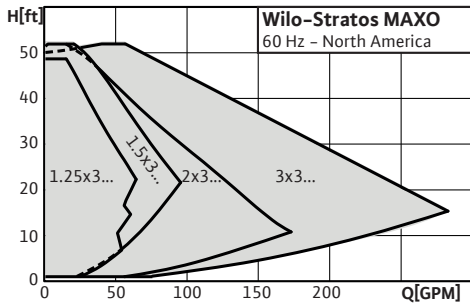
High-Efficiency Smart Circulators

## Wilco-Stratos MAXO-D

High-Efficiency Dual Smart Circulators

## Wilco-Stratos MAXO-Z

High-Efficiency DHW Smart Circulators



### Application

- Hot Water Heating Systems
- Air Conditioning Systems
- Closed Cooling Circuits
- Industrial Circulation Systems

### Max. Flow

280 GPM

### Max. Head

52 feet

### Features & Benefits

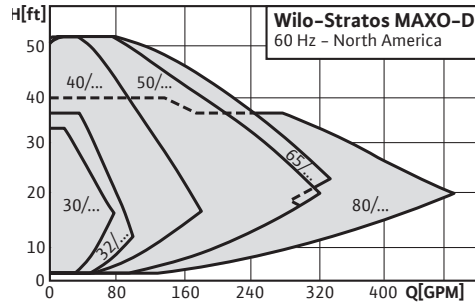
- EC motor technology
- Green Button Technology with 4.3" LED color display
- Maximum energy efficiency
- New and innovative intelligent control functions, such as Dynamic Adapt plus, multi-flow adaptation, T-const. and  $\Delta T$ -const.
- Bluetooth connection to mobile devices
- Easy electrical installation

### Technical Data

- Temp range: 14 °F to 230 °F (-10°C to +110°C)
- Electrical connection: 1~115/230V, 1~230V
- NEMA 2 enclosure protection

### Materials of Construction

- Gray Cast Iron with Cataphoretic coating
- Stainless Steel shaft
- Carbon Bearing
- Carbon Fiber composite impeller



### Application

- Hot Water Heating Systems
- Air Conditioning Systems
- Closed Cooling Circuits
- Industrial Circulation Systems

### Max. Flow

493 GPM

### Max. Head

52 feet

### Features & Benefits

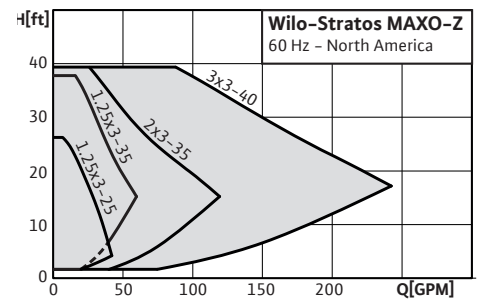
- EC motor technology
- Green Button Technology with 4.3" LED color display
- Maximum energy efficiency
- New and innovative intelligent control functions, such as Dynamic Adapt plus, multi-flow adaptation, T-const. and  $\Delta T$ -const.
- Bluetooth connection to mobile devices
- Easy electrical installation

### Technical Data

- Temp range: 14 °F to 230 °F (-10°C to +110°C)
- Electrical connection: 1~230V
- NEMA 2 enclosure protection

### Materials of Construction

- Gray Cast Iron with Cataphoretic coating
- Stainless Steel shaft
- Carbon Bearing
- Carbon Fiber composite impeller



### Application

- Drinking Water
- Domestic Hot Water Circulation Systems
- Hot Water Heating Systems
- Air Conditioning
- Closed Cooling Circuits
- Industrial Circulation Systems

### Max. Flow

240 GPM

### Max. Head

40 feet

### Features & Benefits

- EC motor technology
- Green Button Technology with 4.3" LED color display
- Highest standard of drinking water hygiene and energy efficiency
- Thermal disinfection detection
- Bluetooth connection to mobile devices
- Easy electrical installation

### Technical Data

- Certified to NSF/ANSI 61 & 372
- Drinking water temp range: 32°F to 176°F (0 °C to 80°C)
- Heating water temp range: 14°F to 230°F (-10 °C to 110°C)
- Electrical connection: 1~115/230V, 1~230V
- NEMA 2 enclosure protection

### Materials of Construction

- ANSI 304 Stainless Steel construction
- Carbon Bearing
- Carbon Fiber composite impeller



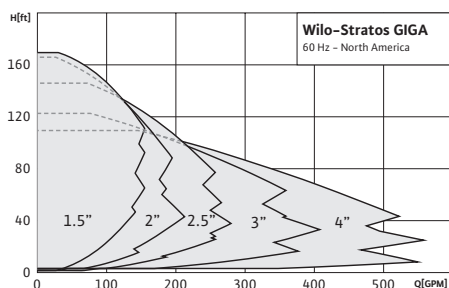


### Wilo-Stratos GIGA

High-Efficiency Inline Pumps

### Wilo-Helix EXCEL

High-Efficiency Multistage Pumps



#### Application

- Hot Water Heating Systems
- Industrial Circulation
- Closed Cooling Circuits
- Air Conditioning Systems
- Solar
- Geothermal

#### Max. Flow

550 GPM

#### Max. Head

167 feet

#### Features & Benefits

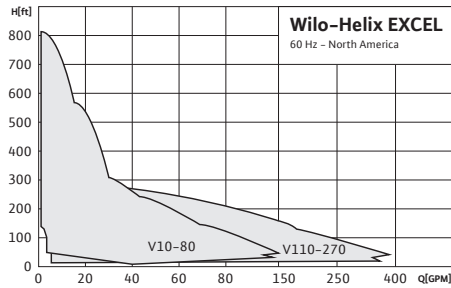
- High-efficient EC motor (IE5)
- Single-stage, low pressure, inline centrifugal pump
- Highest-efficiency motor-drive combination on the market—up to 10HP with motor efficiencies up to 96%
- Easy to operate Green Button Technology and LED display
- Extremely compact and space-saving design
- Integrated electronic power adjustment
- Control range is up to three times as high as conventional electronically controlled pumps
- Integrated full motor protection
- Multiple control modules available for integration with building management systems

#### Technical Data

- High-corrosion protection due to Cataphoretic coating
- Power supply 380/480V~3, 50/60Hz, (±10%)
- Temp range: -4°F (-20°C) to 248°F (120°C)
- Ambient temp range: 32°F (0°C) to 104°F (40°C)
- Max operating pressure: 232 PSI
- IP55 enclosure, insulation class F
- Control modes: ΔPV, ΔPC, constant speed, PID, Binary

#### Materials of Construction

- Cast Iron, Cataphoresis coated volute
- Cast Iron, volute & lantern
- Engineered composite impeller
- Stainless Steel pump shaft



#### Application

- Water Supply and Pressure Boosting
- Process Water
- Pressure Washing Systems/Sprinkling Systems
- Industrial Circulation Systems
- Cooling Circuits & Condensate Return
- Agriculture/Irrigation

#### Max. Flow

395 GPM

#### Max. Head

807 feet

#### Features & Benefits

- High-efficient EC motor (IE5)
- High-efficiency controller offers up to 70% speed reduction
- Optimized 3D impellers for improved head and flow per stage
- Cartridge mechanical seal for quick and easy maintenance
- Variable pressure, constant pressure and variable speed control modes (See kits below, footnote\*1 and footnote\*2)
- Optional BACnet™, Modbus, LonWorks® interface modules

#### Technical Data

- Voltage: 460V (+/- 10%), 60Hz
- Fluid temp range:  
Models 10-80: -22 to 248°F (-30 to 120°C)  
Models 110-270: -4 to 248°F (-20 to 120°C)
- Max operating pressure: 232/362 PSI
- Class 300 ANSI flanges standard on models ≥ 2"
- Control modes: ΔPV\*1, ΔPC\*2, constant speed, PID
- \*1 = Differential Transducer Kit available
- \*2 = Discharge Transducer available

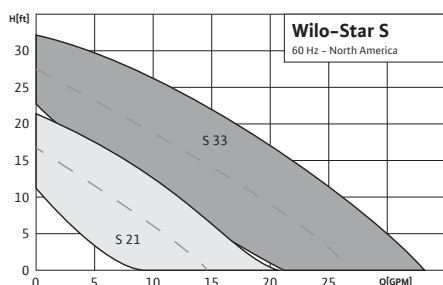
#### Materials of Construction

- Stainless Steel construction certified to NSF 61 (Models 10-80)



## Wilo-Star S

3-Speed Wet Rotor Circulators



### Application

- Hot Water Heating Systems
- Cold Water
- Air Conditioning Systems
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

### Max. Flow

35 GPM

### Max. Head

33 feet

### Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra-quiet
- Installable high-temp check (RFC model)
- RFC patented rotating flange: US 8,297,664 B2
- Integral check-valve available only for the RFC model

### Technical Data

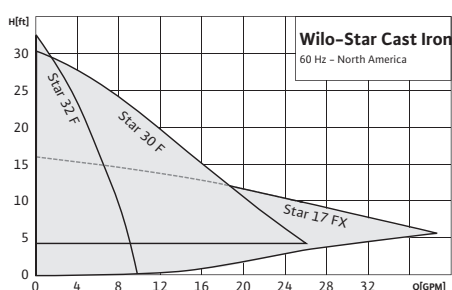
- Max. temp range: 14°F to 230°F (-10°C to 110°C)
- Max. amb temp: 104°F (40°C)
- Electrical connection: 1~115v
- Star S33 available in 1~115v, 230v
- Max. working pressure: 140 PSI (10 Bar)

### Materials of Construction

- Cast Iron volute
- Engineered composite impeller
- Stainless Steel shaft
- Carbon Impregnated Bearing
- Steel terminal box

## Wilo-Star

Residential Wet Rotor Circulators



### Application

- Hot Water Heating Systems
- Cold Water
- Air Conditioning Systems
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

### Max. Flow

38 GPM

### Max. Head

33 feet

### Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra-quiet

### Technical Data

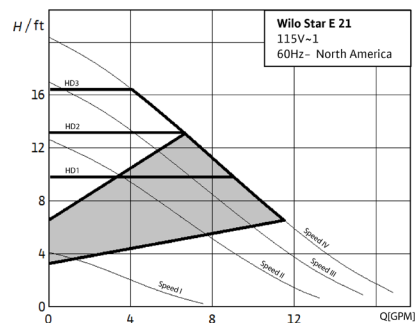
- Max. temp range: 14°F to 230°F (-10°C to 110°C)
- Max. amb temp: 104°F (40°C)
- Electrical connection: 1~115v
- Max. working pressure: 140 PSI (10 Bar)

### Materials of Construction

- Cast Iron volute
- Engineered composite impeller
- Stainless Steel shaft
- Carbon Impregnated Bearing
- Steel Terminal box

## Wilo-Star E 21

EC Motor-Driven High Efficiency Hot Water Circulators



### Application

- Heating and cooling
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

### Max. Flow

16.8 GPM

### Max. Head

20 feet

### Features & Benefits

- High-efficiency, EC Motor driven technology
- Differential temperature control
- Auto mode: Automatically adjusts to the system demand
- Three HD modes –proportional control
- Four speed control
- LED display and adjustment buttons for easy set-up and changes

### Technical Data

- Max. operating pressure: 145 PSI
- Fluid temperature range: 36°F to 230°F

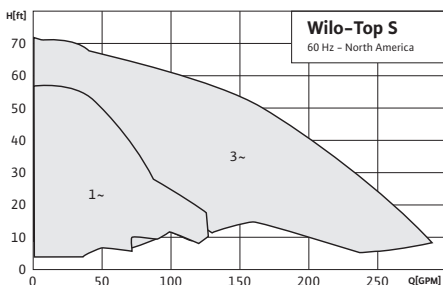
### Materials of Construction

- Cast Iron HT200 pump body
- Composite PA66+30%GF impeller
- Ceramic shaft



### Wilo-Top S

Commercial Wet Rotor Circulators



#### Application

- All types of Hot Water Systems
- Closed Cooling Circuits
- Air Conditioning Systems
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

#### Max. Flow

290 GPM

#### Max. Head

70 feet

#### Features & Benefits

- No mechanical seal
- Quiet, low maintenance wet rotor circulator
- Two-speed operation on all voltages
- Automatically vented
- Cathodically coated prevents corrosion
- Sturdy cast aluminum electrical box
- Short flange to flange dimension

#### Technical Data

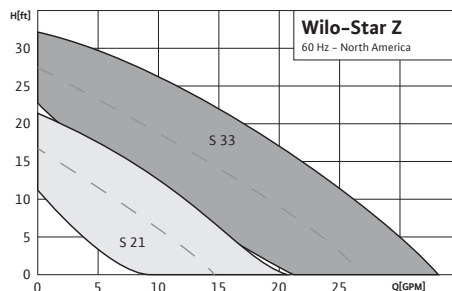
- Max. temp range: 14°F to 248°F (-10°C to 120°C)
- Amb temp range: 32°F-104°F (0°C - 40°C)
- Electrical connections: 1~115v, 230v  
3~208-230v, 460v, 575v
- Max. working pressure: 145 PSI (10 Bar)

#### Materials of Construction

- Cast Iron, Cathodically coated volute
- Engineered composite impeller
- Stainless Steel shaft
- Impregnated Carbon Bearing
- Class H insulation

### Wilo-Star Z

Stainless Steel 3-Speed Wet Rotor Circulators



#### Application

- Potable Water Systems
- Air Conditioning Systems
- Open Systems-Heating or Cooling
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

#### Max. Flow

35 GPM

#### Max. Head

33 feet

#### Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet

#### Technical Data

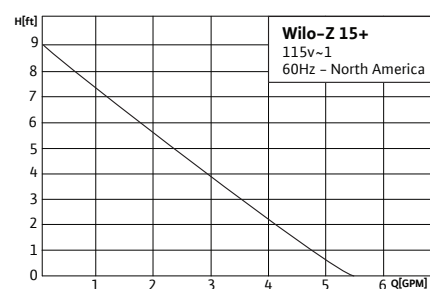
- Max. temp range: 14°F to 230°F (-10°C to 110°C)
- Max amb temp: 104°F (40°C)
- Electrical connection: 1~115v
- Max. working pressure: 140 PSI (10 Bar)

#### Materials of Construction

- Stainless Steel volute & shaft
- Engineered composite impeller
- Impregnated Carbon Bearing

### Wilo-Z 15+

Domestic Hot Water Circulators



#### Application

- Domestic Hot Water Recirculation

#### Max. Flow

5.5 GPM

#### Max. Head

9 feet

#### Features & Benefits

- Compact design
- Conserves energy and water
- CSA compliant to NSF-61 & 372
- Optional digital timer
- Quick installation
- 115V power cord included

#### Technical Data

- Water temp range: 32°F to 160°F (0°C to 71°C)
- Max. working pressure: 145 PSI (10 Bar)
- Electrical connection: 1~115v, 60Hz
- Protection class: IP54

#### Materials of Construction

- Impeller: composite/40% glass filled (PA66G40)
- Shaft: Ceramics
- Rotor core: Silicon steel sheet + copper strip



### Wilo-Z 15+ Accessories

JetValve & DHW Fitting Pack

#### Application

- Mounts under the sink for instant hot water
- Adjustable temperature setpoint screw
- 1/2" Hot and cold male IPS inlets
- 3/8" Hot and cold male compression thread outlets
- Available as standalone valve or with 20" Stainless Steel flex connectors
- Conserves water

#### DHW Fitting Pack

- Package of four (4) connectors to handle all types of piping
- Two (2) 1/2" SW x FNPT
- Two (2) 3/4" SW x FNPT
- Two (2) 3/4" SW x 1/2" SW Reducing Bushings
- Two (2) 3/4" Street Hub Copper Unions
- Less than 0.25% lead content

### Wilo Accessories

Flanges & Ball Valves

#### Application

- Residential FNPT cast iron flanges (3/4", 1", 1 1/4", 1 1/2")
- HV cast iron FNPT flanges (1", 1 1/2", 2")
- Wilo cast iron FNPT "Check Flange" kit (3/4", 1", 1 1/4")

#### Bronze Flanges

- Lead-free bronze
- Residential FNPT bronze flanges (3/4", 1", 1 1/4")
- Residential SWT bronze flanges (3/4", 1")
- HV bronze flanges (Top S, Stratos, Star 17) (1", 1 1/4", 2")

#### Swivel Flange Ball Valves

- Residential FNPT/SWT w check (3/4", 1", 1 1/4", 1 1/2")
- HV FNPT/SWT (1 1/4", 1 1/2")



### Wilo-ECC

Submersible Sump Pumps



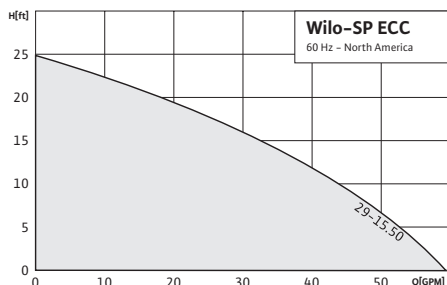
### Wilo-ECS

Submersible Sump Pumps



### Wilo-WCC

Sewage/Effluent Pumps



#### Application

- Sump & Effluent
- Dewatering
- Drainage

#### Max. Flow

58 GPM

#### Max. Head

25 feet

#### Features & Benefits

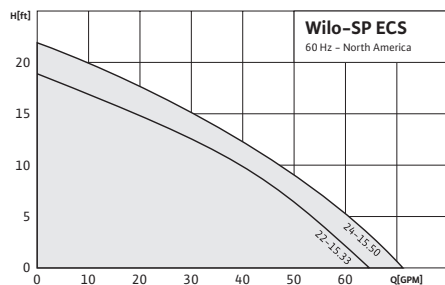
- Permanent split capacitor motor with automatic thermal overload protection
- 10' power cord included

#### Technical Data

- Max. solids size: 3/8"
- Max. fluid temp: 77°F (25°C)
- Electrical connection: 1~115v
- 1/2" NPT Discharge (1/4" with adapter)

#### Materials of Construction

- Cast Iron volute & motor housing
- Engineered composite impeller
- Stainless Steel bottom-screened Inlet



#### Application

- Sump & Effluent
- Dewatering
- Drainage

#### Max. Flow

71 GPM

#### Max. Head

23 feet

#### Features & Benefits

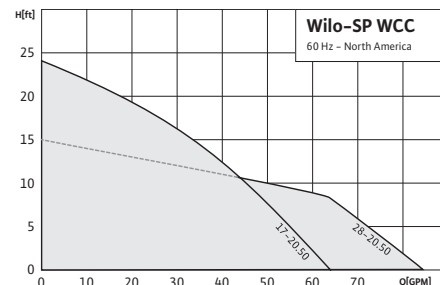
- Oil-filled motor for max heat dissipation
- Ideal for basement installations
- 10' power cord included

#### Technical Data

- Max. solids size: 1/2"
- Max. fluid temp: 77°F (25°C)
- Electrical connection: 1~115v
- 1/2" Discharge (1/4" adapter included)

#### Materials of Construction

- Cast Iron volute
- Stainless Steel motor housing
- Engineered composite impeller



#### Application

- Residential Sewage & Effluent
- Drainage

#### Max. Flow

85 GPM

#### Max. Head

24 feet

#### Features & Benefits

- Replaceable piggyback tether float switch
- Oil-filled motor for maximum heat dissipation
- Built-in thermal overload protection
- 10' power cord included

#### Technical Data

- Max. solids size: 2" (WCC17); 3/4" (WCC28)
- Max. fluid temp: 130°F (55°C)
- Electrical connections: 1~115v
- 2" NPT Discharge

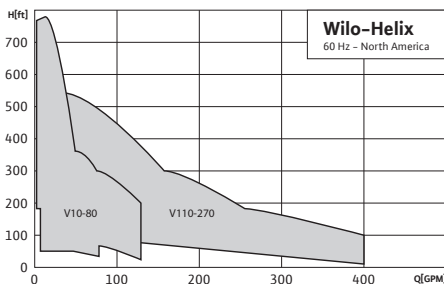
#### Materials of Construction

- Cast Iron volute & motor housing
- Engineered composite impeller



## Wilo-Helix V

High-Pressure Vertical Multistage Centrifugal Pumps



### Application

- Water Supply
- Pressure Boosting
- Condensate Return
- Boiler Feed
- Washing/Sprinkling
- Process Engineering
- Cooling Circuits

### Max. Flow

380 GPM

### Max. Head

800 feet

### Features & Benefits

- Cartridge seal design for easy serviceability
- 3D Laser welded Impellers for improved hydraulic efficiency and reduced NPSHR
- Integrated thrust bearings for reduced motor stress
- Pump lifting lugs
- Heavy-duty pump base

### Technical Data

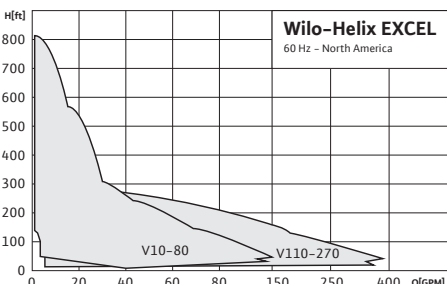
- NEMA premium efficiency motors
- Fluid temp range: -4°F to 248°F (-20°C to 120°C)
- Electrical connections: 3-208-230/460/575V
- Flange connection: Class 300 ANSI for models 10-80 or 250# ANSI split flanges for models 110-270
- Pressure range: 232 PSI or 363 PSI

### Materials of Construction

- 304 Stainless Steel construction
- Certified to NSF/ANSI 61
- Stainless Steel volute, impeller & shaft
- Mechanical seal options: Tungsten Carbide/EPDM, or optional Viton®/FKM

## Wilo-Helix EXCEL Complete

High-Efficiency, ECM Driven, Single-Pump Boosting Systems



### Application

- Water Supply
- Pressure Boosting
- Cooling Systems
- Boiler Feed
- Pressure Washing
- Irrigation

### Max. Flow

395 GPM

### Max. Head

807 feet

### Features & Benefits

- High efficient EC motor (IE5)
- High-efficiency controller offers up to 70% speed reduction
- Optimized 3D impellers for improved head, flow per stage, and reduced NPSHR
- Cartridge mechanical seal for quick and easy maintenance
- Variable pressure, constant pressure, and variable speed control modes (See footnote\*1 and footnote\*2)
- Optional BACnet™, Modbus, LonWorks® interface modules

### Technical Data

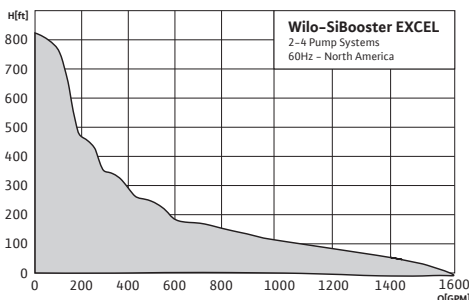
- Voltage: 460V (+/- 10%), 60Hz
- Fluid temp range: models 10-80: -22°F to 248°F (-30°C to 120°C)
- Models 110-270: -4°F to 248°F (-20°C to 120°C)
- Max operating pressure: 232/362 PSI
- Class 300 ANSI Flanges for models 10-80 or 250 Lb ANSI split flanges for models 110-270
- Control modes: ΔPV\*1, ΔPC\*2, constant speed, PID\*1

### Materials of Construction

- Stainless Steel construction certified to NSF/ANSI 61 & 372

## Wilo-SiBooster EXCEL

High-Efficiency, ECM Driven Pressure-Boosting Systems



### Application

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

### Max. Flow

1,578 GPM

### Max. Head

807 feet

### Features & Benefits

- High efficient EC motor (IE5)
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard Modbus and BACnet™, LonWorks® interface modules (optional)
- Adjustable low pressure cut-out
- Balanced run time for all pumps

### Technical Data

- Fluid temp range: -22°F to 248°F (-30°C to 120°C)
- Electrical connection: 3-460V
- Rated pressure: 232 or 363 PSI depending on number of pump stages
- System connection: 150 or 300 Class ANSI flanges depending on maximum system pressure
- TEFC motors standard

### Materials of Construction

- All 304 Stainless Steel construction
- Entire packaged systems are listed under UL for NSF/ANSI 61
- Entire packaged systems are listed under UL for Q CZJ "packaged pumping systems".
- EPDM/FKM Elastomers
- Mechanical seal options: Tungsten Carbide/EPDM, or optional Viton®/FKM





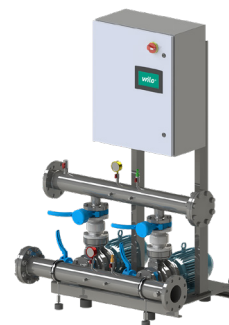
## Wilo-Helix Complete

1 Pump Pressure-Boosting Systems



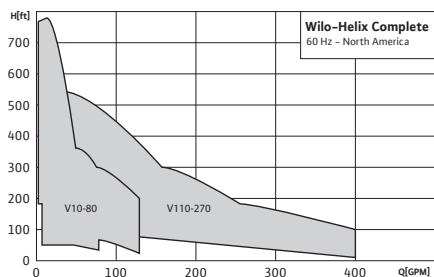
## Wilo-CO-Helix

2-4 Pump Pressure-Boosting Systems



## Wilo-WiBooster

2-4 Pressure-Boosting Systems



### Application

- Water Supply
- Pressure Boosting
- Condensate Return
- Boiler Feed
- Washing/Sprinkling
- Process Engineering
- Cooling Circuits

### Max. Flow

400 GPM

### Max. Head

780 feet

### Features & Benefits

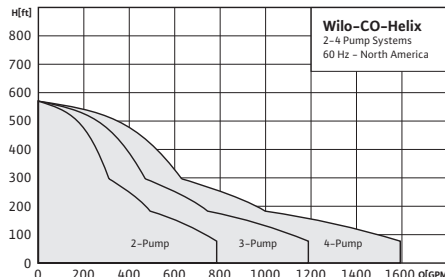
- NSF 61 and 372 rated for water quality
- UL QCZJ rated as a complete pumping package
- Optimizes energy consumption based on system requirements
- End of curve detection
- Dry run prevention
- Low flow protection
- Pipe fill mode
- Warnings & alarm indication

### 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
- Flange connection: Class 300 ANSI on models 10-80 or 250lb ANSI split flanges on models 110-270

### Materials of Construction

- Stainless Steel AISI 304 pump volute, flanges, impeller, stage housing and diffusers
- Stainless Steel AISI 304 or AISI 318LN shaft
- Stainless Steel AISI 316L shaft sleeve



### Application

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

### Max. Flow

1,600 GPM

### Max. Head

580 feet

### Features & Benefits

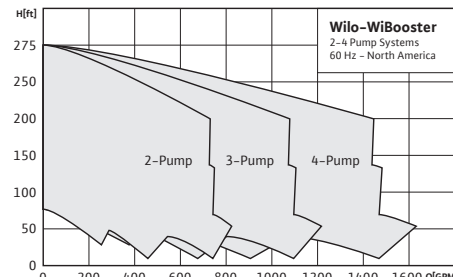
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard Modbus and optional BACnet™, LonWorks® interface modules
- Variable speed control per pump
- Adjustable low pressure cut-out
- Balanced run time for all pumps

### 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



### Application

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

### Max. Flow

1,600 GPM

### Max. Head

275 feet

### Features & Benefits

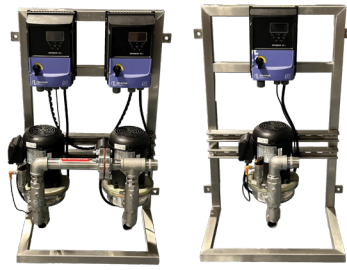
- Includes Scot 320-328 series Stainless Steel pumps
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard Modbus and optional BACnet™, LonWorks® interface modules
- Adjustable low pressure cut-out
- Balanced run time for all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

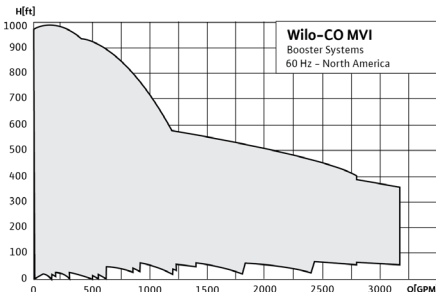
### Materials of Construction

- 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

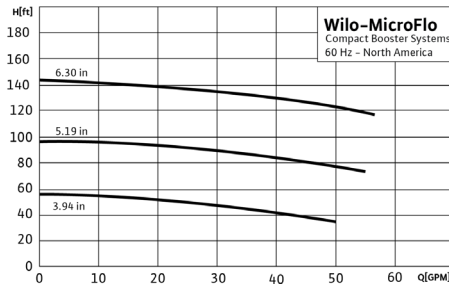
- Fluid temp range: -4°F to 248°F (-20°C to 120°C) with a minimum of 32°F for domestic water
- Electrical connections: 3~208 230/460/575V
- Rated pressure: 232/363 PSI
- System flange connection: 150 Class ANSI or 300 Class ANSI
- TEFC motors standard

### 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

## Wilo-MicroFlo

Out of The Box, High-Efficiency Compact Booster



### Application

- Strip Malls/Restaurants
- Multi-Family Housing
- Small Office Buildings
- Truck Stops/Car Washes

### Max. Flow

57 GPM

### Max. Head

140 feet

### Features & Benefits

- Plug & Play Ready Solution requiring minimal engineering
- Highly compact, 1 or 2 pump booster for low flow- low boost applications.
- Variable Frequency Drives & Master Power Switch included standard
- Multi-functional Digital Pressure Sensor with pipe break feature
- Non-Slam (Silent) Operation resilient seated check valve
- Compact Front-Side Access accommodates wall or floor anchoring
- Simplex & Duplex Vertical Mounted Pumps for easy seal maintenance
- Simple System Connections: 1.25" NPT
- 1 Year Warranty

### Technical Data

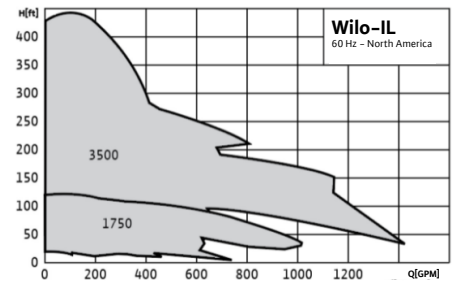
- Voltages: 230/1, 208/3, 460/3, 575/3
- IP66 Rated VFDs & TEFC Motors for indoor/outdoor locations

### Materials of Construction

- 304 Stainless Steel pumps & fittings

## Wilo-IL

Inline Centrifugal Pumps



### Application

- Hot Water Heating Systems
- Closed Cooling Circuits
- Air Conditioning
- Industrial Circulation
- Solar
- Geothermal

### Max. Flow

1,450 GPM

### Max. Head

440 feet

### Features & Benefits

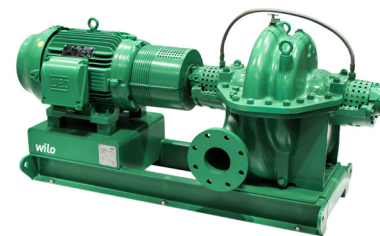
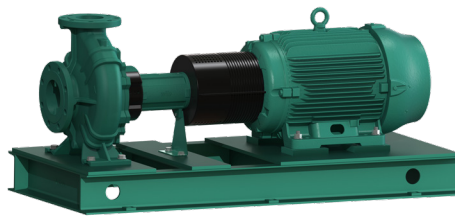
- Integral suction diffuser cast in volute inlet
- All bolts non-metric
- Pump feet drilled and tapped
- Class 125 ANSI standard flanges

### Technical Data

- TEFC motors standard (ODP available)
- Fluid temp range: -4°F to 248°F (-20°C to 120°C)
- Max. amb temp: 104°F (40 °C)
- Electrical connections: 1~115v, 230v3~208-230v, 460v, 575v

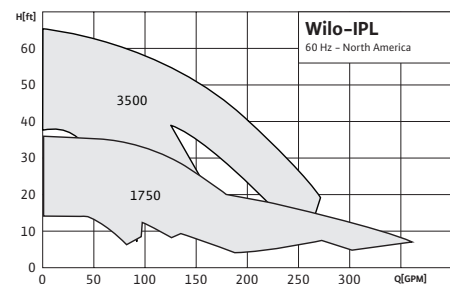
### Materials of Construction

- Cast Iron EN-GJL-250 pump volute
- Trimmable Bronze impeller
- Stainless Steel stub shaft



### Wilo-IPL

Inline Pumps



#### Application

- Hot Water Heating Systems
- Closed Cooling Circuits
- Air Conditioning
- Industrial Circulation
- Solar
- Geothermal

#### Max. Flow

400 GPM

#### Max. Head

65 feet

#### Features & Benefits

- Integrated suction straightening vane
- Pump feet drilled and tapped
- Class 125 ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Lifting eyes for easy installation

#### Technical Data

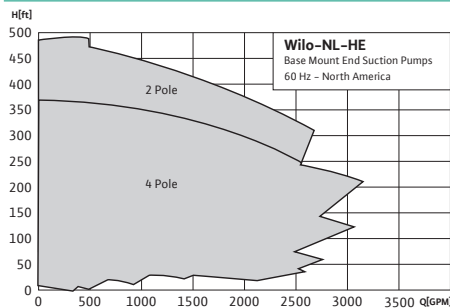
- TEFC motors standard (ODP available)
- Fluid temp range: 15°F to 250°F (-10°C to 120°C)
- Max. amb temp: 104°F (40 °C)
- Electrical connections: 1~115v, 230v  
3~208-230v, 460v, 575v

#### Materials of Construction

- Cast Iron, Cathodically coated volute
- Engineered composite impeller
- Stainless Steel stub shaft
- 2-Part Epoxy paint

### 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
- Cathodoretic coating of all cast iron components
- High corrosion resistance
- Long service life
- Easy maintenance
- C-channel construction welded base

#### Technical Data

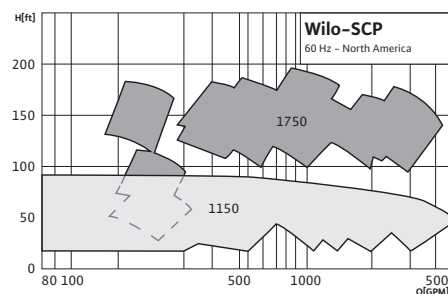
- Fluid temp range: -4 °F to 284 °F
- ANSI Class 125
- Maximum operating pressure of 232 PSI
- Main connections: - 3~[208-230/460V, 575V] 60Hz
- EN 1.4408 (equivalent: AISI 316) Stainless Steel impellers
- DIN 1.4021 (Equivalent: 420) Stainless Steel pump shaft
- Antimony Impregnated Carbon/Silicon Carbide/EPDM(E1)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

Split Case Pumps



#### Application

- Heating and Cooling Systems
- 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



# Water Management

Pumps and pump systems for water supply, sewage collection, and wastewater treatment.









# The Wilo-Aftermarket Service

## Service Beyond Expectation



**For more details contact:**  
Steve Wilson  
Aftermarket Sales Manager  
[steve.wilson@wilo.com](mailto:steve.wilson@wilo.com)  
M +1 (816) 845-0411

### 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** – A monitor installed equipment remotely.
- **Wilo Live Assistant** – A tool to remotely troubleshoot before arriving on site.
- **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 equipment, alignment equipment, 3D scanner, 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

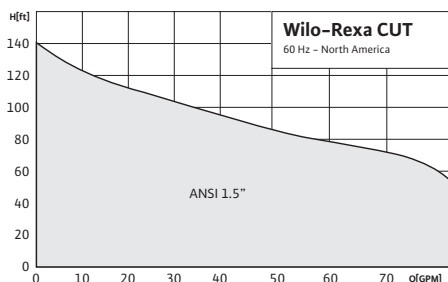
Authorized Service Centers (ASCs) are designed to be an extension of Wilo and offer repair services for the installed equipment. We are in the process of evaluating and adding additional ASCs to support the American-Marsh product lines.





### 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)

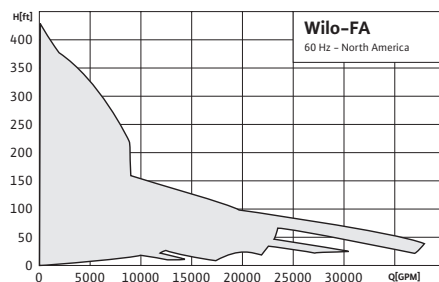
#### Materials of Construction

- Cast Iron volute
- Cast Iron impeller
- Stainless Steel motor housing
- Seals: SiC/SiC (pump side), C/MgSiO<sub>4</sub> (Motor)
- Macerator: Stainless Steel AISI 440B+Co



### 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

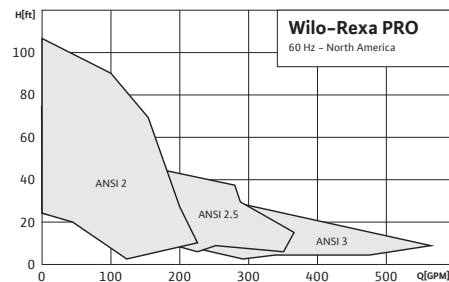
#### Materials of Construction

- Cast Iron volute (standard)
- Stainless Steel standard shaft
- For corrosive fluids, the external surfaces can be coated with Wilo-Ceram C0
- Optional materials of construction and coatings available



### 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

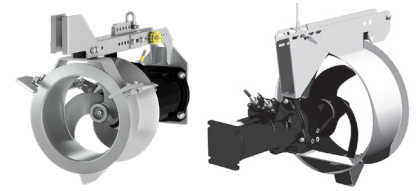
- Clog-resistant vortex and 1-vane
- FM explosion-proof rated
- Dual mechanical shaft seals
- Watertight cable inlet
- Quick and easy installation

#### 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)

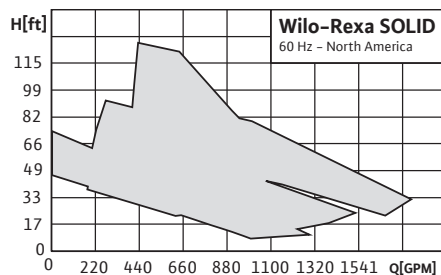
#### Materials of Construction

- Cast Iron volute, impeller and motor housing
- Seals: SiC/SiC (pump side), C/MgSiO<sub>4</sub> (motor)



## Wilo-Rexa SOLID-Q

Submersible Sewage Pump with Nexus Intelligence



### Application

- Untreated Sewage
- Wastewater
- Process water

### Max. Flow

1805 GPM

### Max. Head

124 feet

### Features & Benefits

- Integration of Nexus 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-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

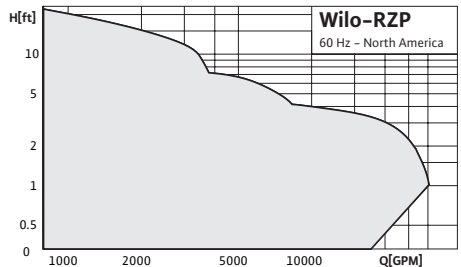
- Wear-resistant materials and coatings
- Corrosion-resistant materials and coatings
- Ceram coatings

### Special Designs

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

## Wilo-Flumen OPTI-RZP, EXCEL-RZPE

Recirculation Pumps



### 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

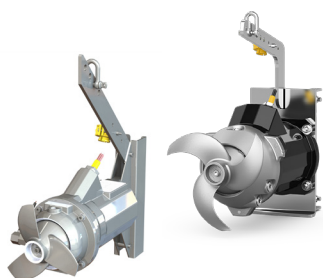
- Submersible, compact installation unit
- In-line design
- Energy efficient, flow-optimized, self-cleaning propellers, partially with helix hub
- Low cost in-basin piping
- FM-Ex rated
- Pump station wet wells are no longer necessary
- Easy installation and removal
- The special blade design provides 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-Flumen OPTI-TR, EXCEL-TRE

High-Speed Submersible Mixers

#### 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

- Creation of fluid current in activated sludge tanks
- Suspension of solids
- Prevention of floating sludge layers
- Industry & Agriculture
- Water supply
- BNR

#### Thrust

41-1,113 lbf (180-4950N)

#### Features & Benefits

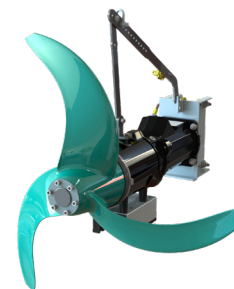
- Flexible installation
- Single-stage planetary gear for adjusting the propeller speed
- Self-cleaning propeller
- Easy-to-install propeller attachment
- Type "TRE" with IE3 performance optimized motors
- ATEX and FM versions

#### Technical Data

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

#### Materials of Construction

- Stainless Steel, PUR or PUR/GFK or PA6C propeller
- Stainless Steel gear shaft
- SiC/SiC combination mechanical seal



### Wilo-TR(E)

Slow-Speed Submersible Mixers with Planetary Gear

#### 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

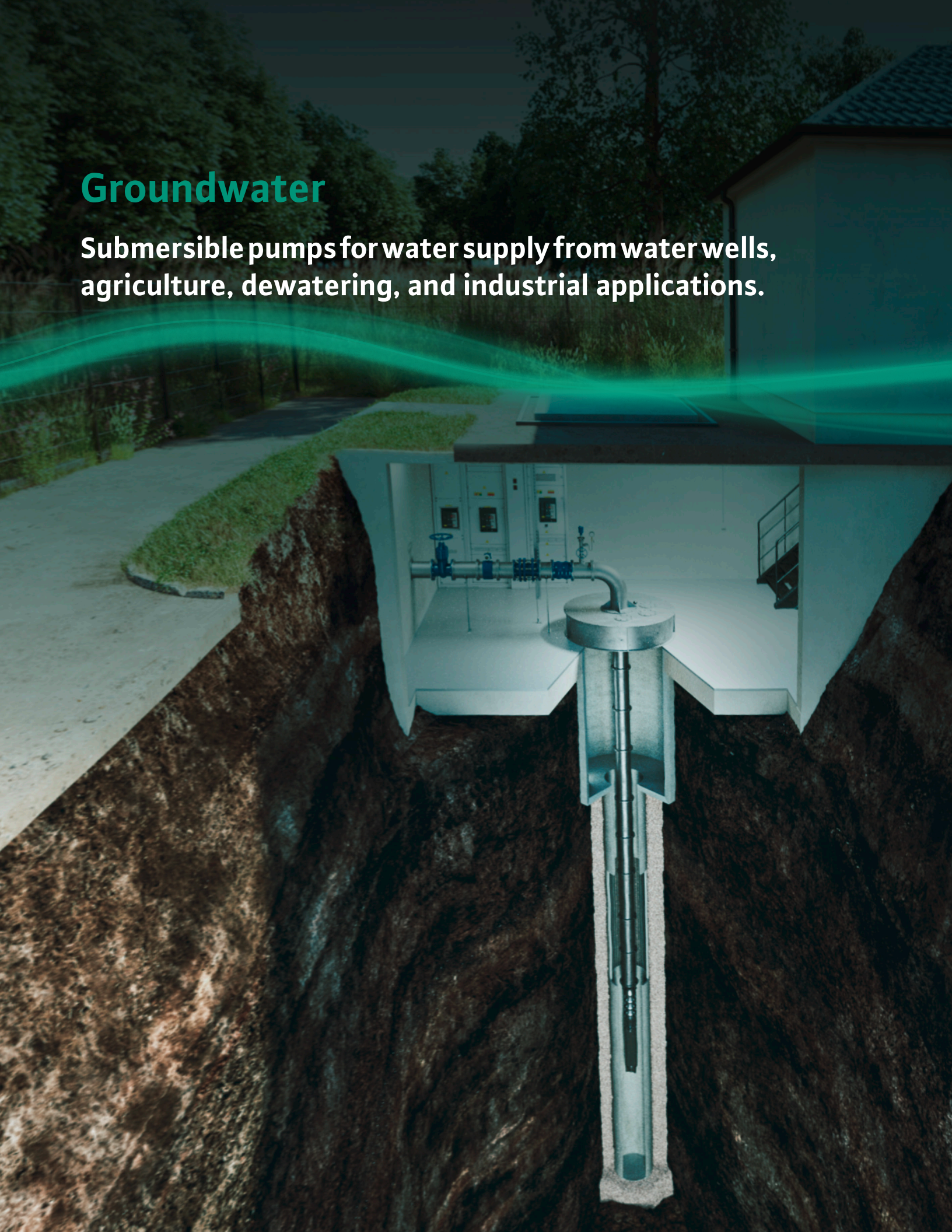
#### Materials of Construction

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

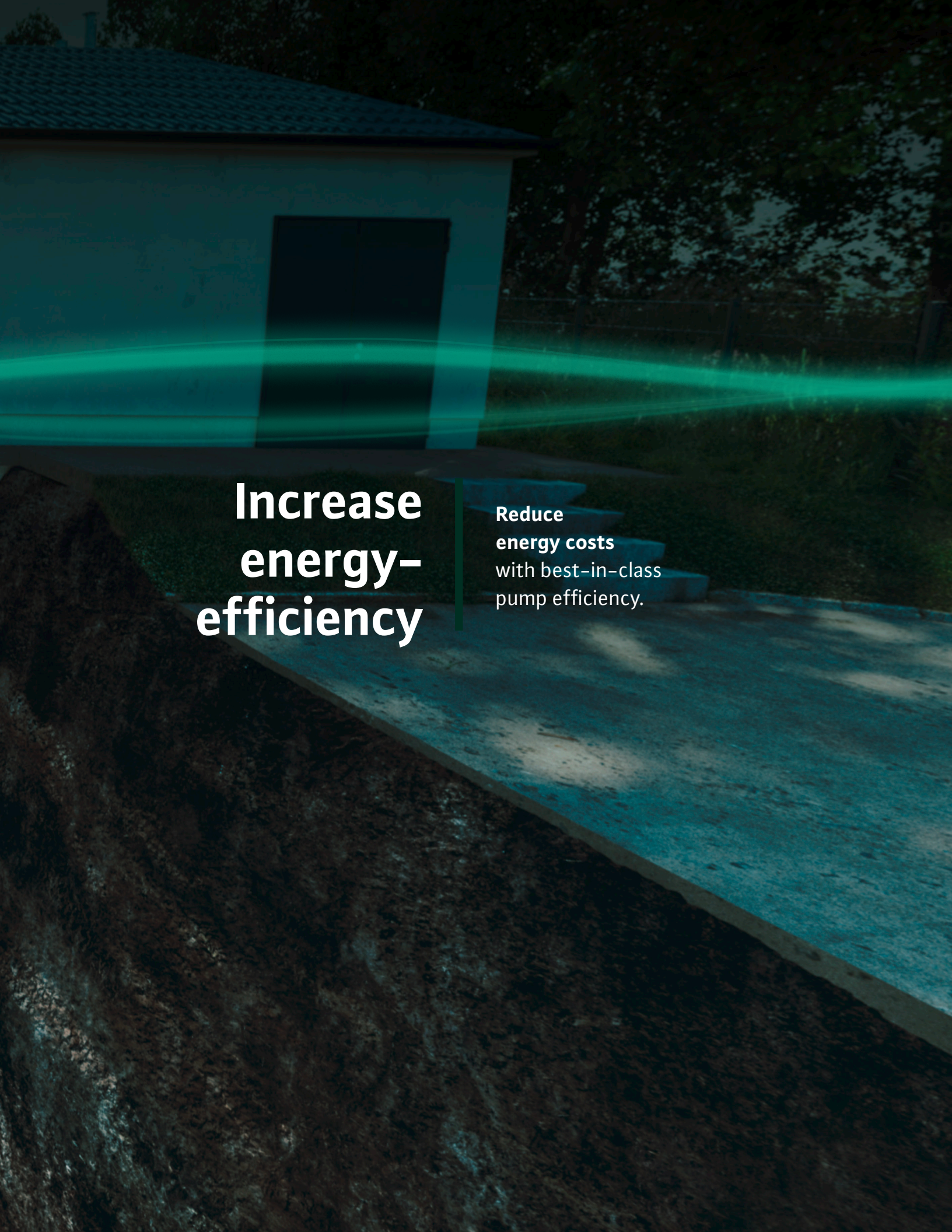


# Groundwater

Submersible pumps for water supply from water wells, agriculture, dewatering, and industrial applications.







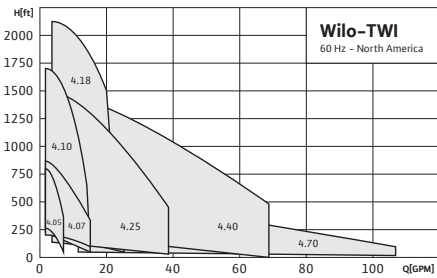
**Increase  
energy-  
efficiency**

**Reduce  
energy costs  
with best-in-class  
pump efficiency.**



## 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

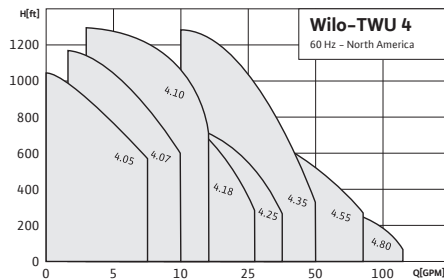
- Electrical connections: 1~115/230v  
3~230/460/575v
- Temp range: 37°F to 122°F (3°C to 50°C)
- Max. sand content: 50 ppm
- Max. immersion depth: 1000'
- Protection Class: IP 68

### Materials of Construction

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

## 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

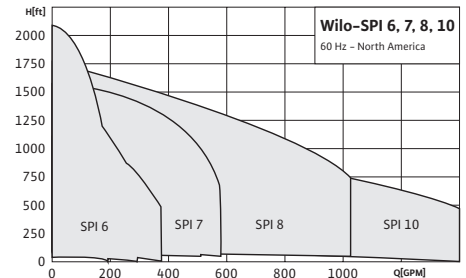
- Electrical connections: 1~115/230v  
3~230/460/575v
- Temp range: 37°F to 95°F (3°C to 35°C)
- Max. sand content: 50 ppm
- Max. immersion depth: 1000'
- Protection Class: IP 68

### Materials of Construction

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

## 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



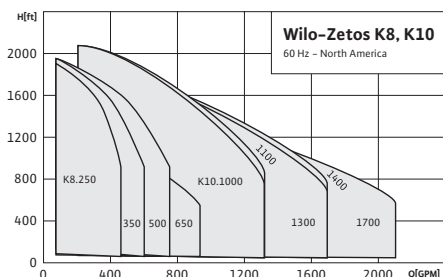


**BEST IN CLASS EFFICIENCIES!**



### 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

### 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

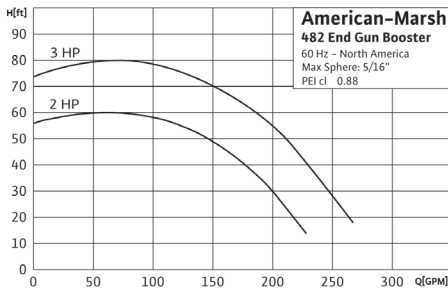
#### 6"-12" NU Rewindable Submersible Motors

- 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



## American-Marsh 482 EGB

End Gun Booster Pumps



### Application

- Center Pivot Irrigation
- End Gun Booster

### Max. Flow

260 GPM

### Max. Head

80 feet

### Features & Benefits

- Interchangeable with commonly used models
- Efficiency design:  
Higher flow rates with less HP required
- Space-saving design:  
Vertical mount minimizes overall footprint

### Technical Data

- NEMA 60Hz J56 Frame
- Available in 2HP or 3HP
- Standard, auto reset or manual reset
- Double Sealed Bearings

### Materials of Construction

- Cast Iron construction
- 2.5"x2" NPT Suction/Discharge Connections
- Mechanical seals:  
Standard: Buna-Carbon head/Ceramic seat  
Optional:  
• Viton-Carbon head/Silicon Carbide seat  
• Viton-Silicon Carbide head/Silicon



## Wilo Submersible Accessories

Control Boxes, Variable Frequency Drives, Pump Panels

### Control Boxes

- Standard
- Deluxe
- Deluxe CSCR
- Deluxe (6")

### Wilo Pump Panel

- NEMA type 3R steel enclosure with powder coating finish
- Full gasket hinged door with provision for padlocks
- UL listed and suitable for use as service equipment
- Heavy-duty flange fusible disconnect switch
- NEMA Full voltage magnetic motor starter
- Range from 2HP to 100HP



## Wilo MaxAir™

Hydropneumatic Pressure Tanks

### Application

- Water Storage
- Water Pressure Boosting
- Water Transfer

### Max. Working Pressure

150 PSI

### Max. Working Temperature

195°F

### Features & Benefits

- NSF/ANSI 61 compliant, IAPMO R&T UPC approved
- Polypropylene liner to ensure long durability
- Butyl diaphragm to assure long-life and safety
- Corrosion-resistant durable baked epoxy coating
- Leak-free, O-ring sealed air valve cap
- 100% pressure tested
- No maintenance needed
- 304 Stainless Steel water connection





# Scot Pump

*A WILO BRAND*

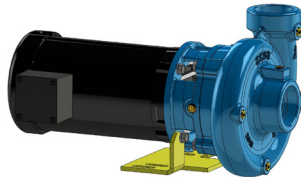
Scot's roots began as a provider to the agricultural industry, primarily for the transferring and spreading liquid fertilizers. Today, Scot has expanded their expertise to become a specialist in the manufacturing of close-coupled centrifugal pumps for the OEM, HVAC, military, and industrial markets. Scot's manufacturing facility in Cedarburg, Wisconsin is in the heartland of the some of the America's finest automated foundries, where quality castings and gray iron, bronze, stainless steel and aluminum are readily available.

Scot has a distributor network around North America which supports aftermarket and replacement demands by stocking most of the common parts and pumps they offer. Scot's commitment to quality and dedication to short lead times has cultivated a reputation of reliability and outstanding customer service.

Ft. Lauderdale, Florida is home to the Marine Division which provides all types of non-ferrous pumps and other solutions to yachts and commercial vessels.

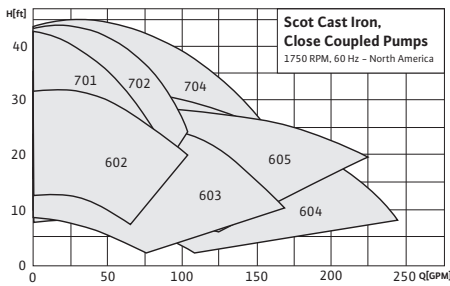






**Elite Cast Iron, Close-Coupled Pumps, 1750 RPM**

Models: 602, 603, 604, 605, 701, 702, and 704



**Application**

- Cooling Towers
- Chillers
- Plastic Injection Molding
- Process Water Filtration & Circulation
- Condensate Return
- Heat Treating

**Max. Flow**

250 GPM

**Max. Head**

45 feet

**Features & Benefits**

- Up to 2 HP and 3" Discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical Seal

**Technical Data**

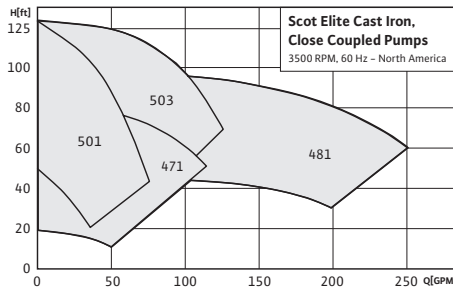
- NEMA 60HZ J56 Frame
- ODP, TEFC, Explosion-proof enclosures
- 5.5"-6.5" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

**Materials of Construction**

- NPT connections
- Standard fitted
  - 600 Series: 304SS impeller
  - 700 Series: composite impeller
- All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available

**Elite Cast Iron, Close-Coupled Pumps, 3500 RPM**

Models: 501, 503, 471, and 481



**Application**

- Cooling Towers
- Chillers
- Plastic Injection Molding
- Process Water Filtration & Circulation
- Condensate Return
- Heat Treating

**Max. Flow**

250 GPM

**Max. Head**

125 feet

**Features & Benefits**

- Up to 5 HP and 2" Discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

**Technical Data**

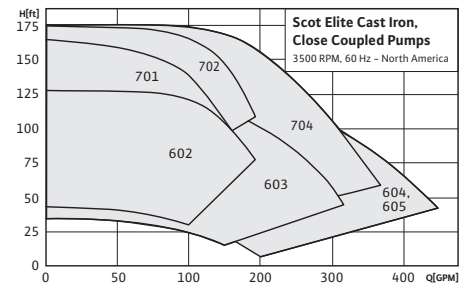
- NEMA 60HZ J56 Frames
- ODP, TEFC, Explosion-proof enclosures
- 5½" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 150 PSI

**Materials of Construction**

- NPT connections
- Standard fitted
  - 400 Series: 304SS impeller
  - 500 Series: composite impeller
- All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available

**Elite Cast Iron, Close-Coupled Pumps, 3500 RPM**

Models: 602, 603, 604, 605, 701, 702, and 704



**Application**

- Cooling Towers
- Chillers
- Plastic Injection Molding
- Process Water Filtration & Circulation
- Condensate Return
- Heat Treating

**Max. Flow**

450 GPM

**Max. Head**

175 feet

**Features & Benefits**

- Up to 15 HP and 3" Discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

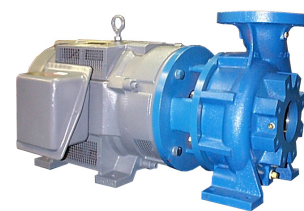
**Technical Data**

- NEMA 60HZ, JM Frames
- ODP, TEFC, Explosion-proof enclosures
- 6½" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

**Materials of Construction**

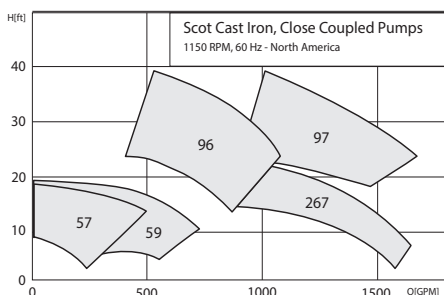
- NPT connections
- Standard fitted
  - 600 Series: 304SS impeller
  - 700 Series: composite impeller
- All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available





### Cast Iron, Close-Coupled Pumps, 1150 RPM

Models: 57, 59, 96, 97, and 267



#### Application

- Water Features
- Water Parks

#### Max. Flow

1,600 GPM

#### Max. Head

40 feet

#### Features & Benefits

- Up to 50 HP and 10" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

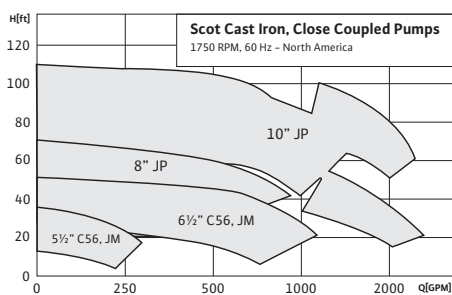
- NEMA 60HZ JM, JP, JPZ Frames
- ODP, TEFC, Enclosures
- 6½" – 13" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

- ANSI Flange connections
- Standard fitted
- Bronze fitted
- All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available

### Cast Iron, Close-Coupled Pumps, 1750 RPM

Models: 5½" C56/JM, 6½" C56/JM, 8" JP, 10" JP



#### Application

- Cooling Towers
- Chillers
- Plastic Injection Molding
- Process Water Filtration & Circulation
- Condensate Return
- Heat Treating

#### Max. Flow

2,500 GPM

#### Max. Head

110 feet

#### Features & Benefits

- Up to 150 HP and 10" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

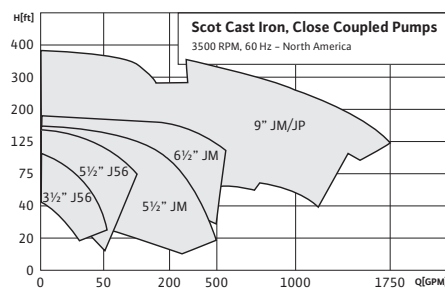
- NEMA 60HZ C56, JM, JP, JPZ Frames
- ODP, TEFC, Explosion-proof enclosures
- 5½" – 13" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and ANSI Flange connections
- Standard fitted
- Bronze
- Fitted or All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available

### Cast Iron, Close-Coupled Pumps, 3500 RPM

Models: 3½" J56, 5½" J56/JM, 6½" JM, 9" JM/JP



#### Application

- Cooling Towers
- Chillers
- Plastic Injection Molding
- Process Water Filtration & Circulation
- Condensate Return
- Heat Treating

#### Max. Flow

1,750 GPM

#### Max. Head

375 feet

#### Features & Benefits

- Up to 100 HP and 8" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

- NEMA 60HZ, J56, JM, JP Frames
- ODP, TEFC, Explosion-proof enclosures
- 3½" – 9" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and ANSI Flange connections
- Standard fitted
- Bronze fitted
- All Iron
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available



### Welded Stainless Steel, Close-Coupled Pumps, 3500 RPM

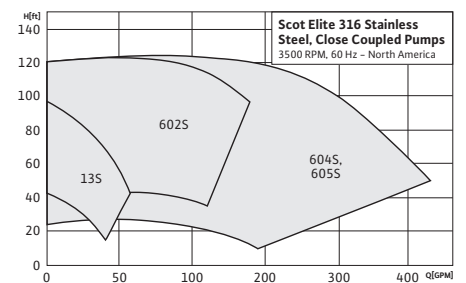
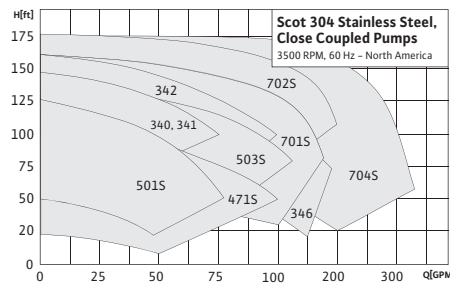
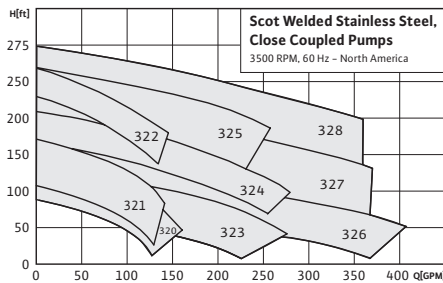
Models: 320–328

### Elite Cast 304 Stainless Steel, Close-Coupled Pumps, 3500 RPM

Models: 471S, 340 Series, 500S Series, and 700S Series

### Elite Cast 316 Stainless Steel, Close-Coupled Pumps, 3500 RPM

Models: 13S, 602S, 604S, and 605S



#### Application

- Booster Systems
- Chillers
- Plastic Injection Molding
- Process Cooling Water
- Dishwashing Equipment
- Induction Heating / Cooling Water
- Potable Water

#### Application

- Booster Systems
- Chillers
- Injection Molding Cooling
- Process Cooling Water
- Dishwashing Equipment
- Induction Heating / Cooling Water
- Potable Water

#### Application

- Chiller
- Dishwashers
- Washing Equipment
- Process Cooling Water

#### Max. Flow

400 GPM

#### Max. Flow

325 GPM

#### Max. Flow

450 GPM

#### Max. Head

275 feet

#### Max. Head

175 feet

#### Max. Head

125 feet

#### Features & Benefits

- NSF/ANSI 61 & 372 certified
- Up to 25 HP and 2" discharge
- Cast Iron adapter supports seal and prevents flexing of pump
- Close-coupled back pull-out design
- Centerline discharge
- Mechanical seal

#### Features & Benefits

- NSF/ANSI 61 & 372 certification pending
- Up to 3 HP and 2" discharge
- Cast Iron adapter supports seal and prevents flexing of pump
- Close-coupled back pull-out design
- Mechanical seal

#### Features & Benefits

- NSF/ANSI 61 & 372 certification pending
- Up to 15 HP and 3" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

- NEMA 60HZ J56, JM, TC Frames
- ODP, TEFC, Explosion-proof enclosures
- 4.50" – 8.00" Max impeller
- Temp range: 0°F to 225°F
- Max working pressure: 175 PSI

#### Technical Data

- NEMA 60HZ J56 Frames
- ODP, TEFC, Explosion-proof enclosures
- 4.50" – 6.50" Max impeller
- Temp range: 0°F to 225°F
- Max working pressure: 150 PSI

#### Technical Data

- NEMA 60HZ J56, TC Frames
- ODP, TEFC, Explosion-proof enclosures
- 5.63" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

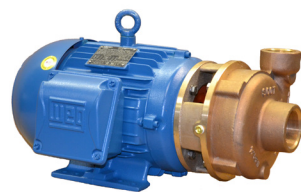
- NPT and Flange connections
- 304 Stainless Steel casing, impeller and seal Plate. Cast Iron adapter
- Buna Carbon Ceramic seal standard
- EPDM, Viton & Silicon Carbide available

#### Materials of Construction

- NPT connections
- 304 Stainless Steel casing and adapter
- 400 Series: 304SS impeller
- 340, 500, 700 Series: composite impeller
- Buna Carbon Ceramic seal is standard
- EPDM, Viton & Silicon Carbide available

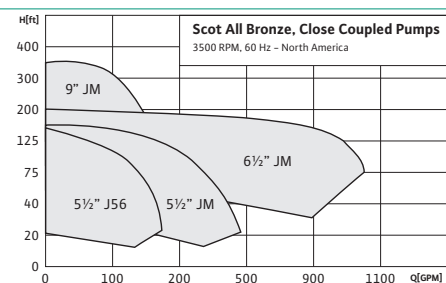
#### Materials of Construction

- NPT connections
- 316 Stainless Steel wetted components
- Viton Silicon Carbide Seal is standard



### All Bronze, Close-Coupled Pumps 3500 RPM

Models: 5½" J56/JM, 6½" JM and 9" JM



#### Application

- Induction Heating Cooling Water
- Heat Exchanger
- Pressure Boosting
- Raw Water Supply

#### Max. Flow

1000 GPM

#### Max. Head

375 feet

#### Features & Benefits

- Up to 40 HP and 3" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

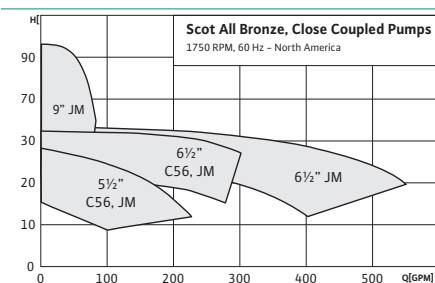
- NEMA 60HZ J56, JM Frames
- ODP, TEFC, Explosion-proof enclosures
- 5.00" – 9.00" Max impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and ANSI flange connections
- 836 Bronze Case impeller and adapter
- Buna Carbon Ceramic seal is standard
- EPDM, Viton & Silicon Carbide available

### All Bronze, Close-Coupled Pumps 1750 RPM

Models: 5½" C56/JM, 6½" C56/JM and 9" JM



#### Application

- Induction Heating Cooling Water
- Heat Exchanger
- Water Recirculation Systems
- Raw Water Supply

#### Max. Flow

550 GPM

#### Max. Head

95 feet

#### Features & Benefits

- Up to 20 HP and 4" discharge
- Heavy-duty construction
- Close-coupled back pull-out design
- Mechanical seal

#### Technical Data

- NEMA 60HZ C56, JM Frames
- ODP, TEFC, Explosion-proof enclosures
- 5.50" – 9.00" Max Impeller
- Temp range: 0°F to 250°F
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and ANSI flange connections
- 836 Bronze Case impeller and adapter
- Buna Carbon Ceramic seal is standard
- EPDM, Viton & Silicon Carbide available

### Specialty Products

Hot Oil, Low Temp Chiller, Self-Priming, Vertical Flange, Vertical Floor Mounted, Vertical Sealless

#### Application

- Parts Washers
- Condensate Return
- Dewatering
- Water Features
- Refrigeration
- Heat Transfer

#### Max. Flow

6,000 GPM

#### Max. Head

180 feet

#### Features & Benefits

- Custom mounting configurations and features for unique applications

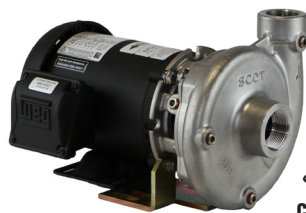
#### Technical Data

- NEMA 60HZ J56, JM, JP, JPZ, TCZ Frames
- ODP, TEFC, Explosion-proof enclosures
- 4.50" – 13.00" Max impeller
- Temp range: -30°F to 400°F

#### Materials of Construction

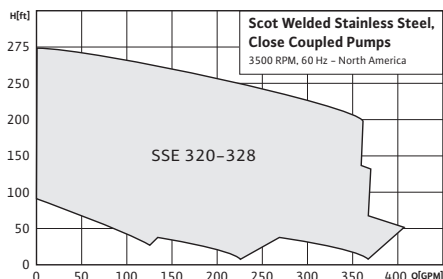
- NPT and flange connections
- Standard fitted
- Bronze fitted
- All Bronze
- All Iron
- Cast 316SS





### MotorPump™

Close-Coupled Pumps in Welded Stainless Steel, 3500 RPM



#### Application

- Irrigation
- Liquid Fertilizer Transfer
- Bulk Tank Systems
- Potable Water

#### Max. Flow

400 GPM

#### Max. Head

275 feet

#### Features & Benefits

- NSF/ANSI 61 & 372 certified
- Up to 25 HP and 2" discharge
- Cast Iron adapter supports seal and prevents flexing of pump
- Close-coupled back pull-out design
- Centerline discharge
- Mechanical seal

#### Technical Data

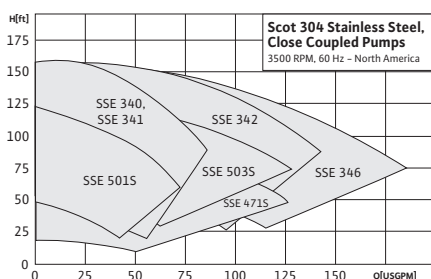
- NEMA 60HZ J56, JM Frames
- ODP, TEFC, Explosion-proof enclosures
- 4.50" – 8.00" Max impeller
- Temp range: 0F to 225°F
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and flange connections
- 304 Stainless Steel casing, impeller and seal Plate. Cast Iron adapter
- Viton Carbon Ceramic seals standard, Viton SiC/SiC available

### MotorPump™ Elite Series

Close-Coupled Pumps in Cast 304 Stainless Steel, 3500 RPM



#### Application

- Irrigation
- Liquid Fertilizer Transfer
- Bulk Tank Systems

#### Max. Flow

200 GPM

#### Max. Head

160 feet

#### Features & Benefits

- Up to 15 HP and 3" discharge
- Cast 304 or 316 Stainless Steel construction
- Close-coupled back pull-out design

#### Technical Data

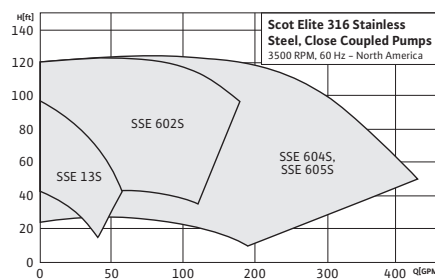
- NEMA 60HZ J56, TC Frames
- TEFC, Explosion-proof enclosures
- 4.50" – 5.5" Max Impeller
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT connections standard
- 304/316 Stainless Steel casing and adapter
- Composite or 304/316 impellers
- Viton Carbon Ceramic seal on 304SS models, Viton SiC/SiC on 316SS models

### MotorPump™ Elite Series

Close-Coupled Pumps in Cast 316 Stainless Steel, 3500 RPM



#### Application

- Irrigation
- Liquid Fertilizer Transfer
- Bulk Tank Systems

#### Max. Flow

450 GPM

#### Max. Head

125 feet

#### Features & Benefits

- Up to 100 HP and 6" discharge
- Heavy-duty Cast Iron construction
- Close-coupled back pull-out design

#### Technical Data

- NEMA 60HZ J56, JM, JP frames
- TEFC, Explosion-proof enclosures
- 4.50" – 11.00" Max impeller
- Max working pressure: 175 PSI

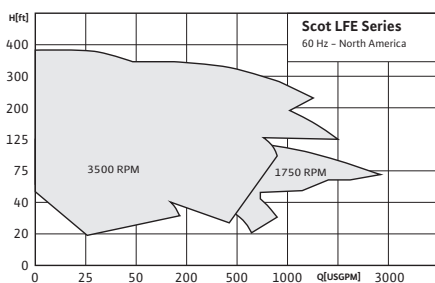
#### Materials of Construction

- NPT and flange connections
- All Cast Iron construction
- Viton Carbon Ceramic seal standard
- Viton SiC/SiC mechanical seals optional



### MotorPump™ LFE Series

Cast Iron, Close-Coupled Pumps  
1750/3500 RPM



#### Application

- Irrigation
- Liquid Fertilizer Transfer
- Bulk Tank Systems

#### Max. Flow

2500 GPM

#### Max. Head

375 feet

#### Features & Benefits

- Up to 100 HP and 6" discharge
- Heavy-duty Cast Iron construction
- Close-coupled back pull-out design

#### Technical Data

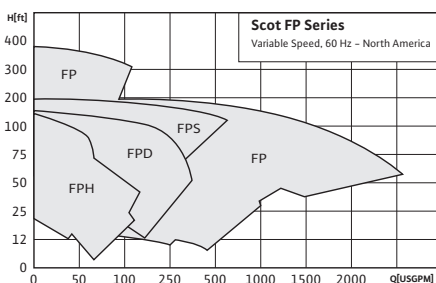
- NEMA 60HZ J56, JM, JP Frames
- TEFC, Explosion-proof enclosures
- 4.50" – 11.00" Max impeller
- Max working pressure: 175 PSI

#### Materials of Construction

- NPT and flange connections
- All Cast Iron construction
- Viton Carbon Ceramic seal standard
- Viton SiC/SiC mechanical seals optional

### FramePumps™

Models: FPH, FPD, FP, Pressure Seal



#### Application

- Sprayer Systems
- Bulk Tank Systems
- Liquid Fertilizer Transfer

#### Max. Flow

2500 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Heavy-duty bearing frames
- Pressure seal doubled sealed with 50/50 water glycol solution

#### Technical Data

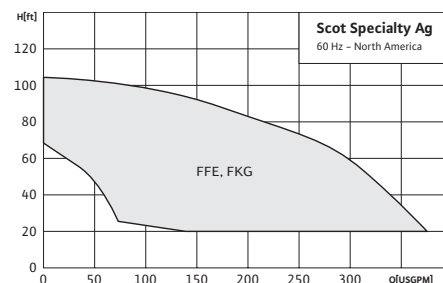
- Drive shafts 5/8" to 1 3/8"
- Pully, PTO, Hydraulic or Clutch

#### Materials of Construction

- Cast Iron or 316 Stainless Steel construction
- Viton Carbon Ceramic mechanical seal, other options available

### MotorPump™, EnginePump™

Self-Priming Pumps, Engine Pumps



#### Application

- Portable Utility
- Liquid Fertilizer Transfer
- Irrigation
- Nurse Tank Applications

#### Max. Flow

450 GPM

#### Max. Head

100 feet

#### Features & Benefits

- Self-Priming design
- EnginePump™ uses Honda® OHC Engines
- Pump kits (less engine) available

#### Technical Data

- Suction Lift 25'
- NEMA 60Hz J56, JM Frames
- TEFC Motors

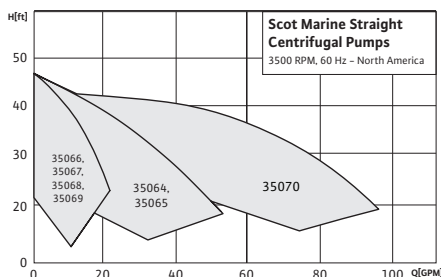
#### Materials of Construction

- Cast Iron or Stainless Steel construction
- Viton Carbon Ceramic mechanical seal



### Marine Straight Centrifugal Pumps

35000 Series



#### Application

- Air Conditioning
- Refrigeration
- Cooling Water Circulation

#### Max. Flow

95 GPM

#### Max. Head

50 feet

#### Features & Benefits

- Heavy-duty cast construction
- Close-coupled back pull-out design
- Enclosed & semi-open impeller
- Continuous duty motor

#### Technical Data

- NEMA 50/60HZ motors
- TEFC motor is standard
- NPT connections

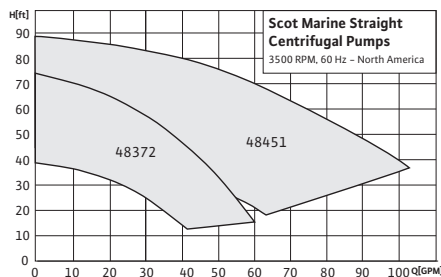
#### Materials of Construction

- Marine Bronze Case, impeller and adapter



### Marine Straight Centrifugal Pumps

48000 Series



#### Application

- Air Conditioning
- Refrigeration
- Cooling Water Circulation

#### Max. Flow

110 GPM

#### Max. Head

90 feet

#### Features & Benefits

- Heavy-duty cast construction
- Close-coupled back pull-out design
- Semi-open impeller
- Continuous duty motor

#### Technical Data

- NEMA 50/60HZ motors
- TEFC motor is standard
- NPT connections

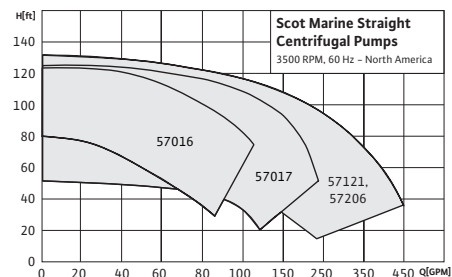
#### Materials of Construction

- Marine Bronze Case, impeller and adapter



### Marine Straight Centrifugal Pumps

57000 Series



#### Application

- Air Conditioning
- Refrigeration
- Chilled Water Circulation

#### Max. Flow

450 GPM

#### Max. Head

130 feet

#### Features & Benefits

- Heavy-duty cast construction
- Close-coupled back pull-out design
- Enclosed & semi-open impeller
- Continuous duty motor

#### Technical Data

- NEMA 50/60HZ motors
- TEFC motor is standard
- NPT connections

#### Materials of Construction

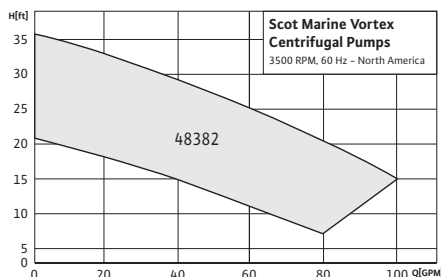
- Marine Bronze Case, impeller and adapter





### Marine Sewage & Wastewater Centrifugal Pumps

48382 Series



#### Application

- Sewage Transfer
- Wastewater

#### Max. Flow

100 GPM

#### Max. Head

40 feet

#### Features & Benefits

- Heavy-duty cast construction
- Close-coupled back pull-out design
- Vortex impeller
- Continuous duty motor

#### Technical Data

- NEMA 50/60HZ motors
- TEFC motor is standard
- 2" NPT connections

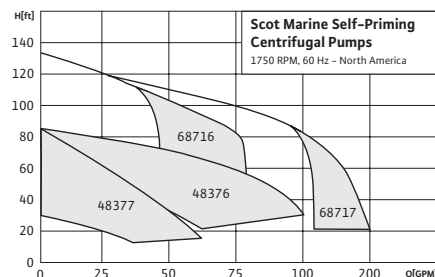
#### Materials of Construction

- Marine Bronze Case, impeller and adapter



### Marine Self-Priming Centrifugal Pumps

48000 and 68000 Series



#### Application

- Raw Water Intake
- Air Conditioning
- Refrigeration
- Bilge/Ballast
- Fire Fighting/Washdown

#### Max. Flow

200 GPM

#### Max. Head

130 feet

#### Features & Benefits

- Heavy-duty cast construction
- Close-coupled back pull-out design
- Enclosed & semi-open impeller
- Self-priming up to 20' lift
- Continuous duty motor

#### Technical Data

- NEMA 50/60HZ motors
- TEFC motor is standard
- NPT connections

#### Materials of Construction

- Marine Bronze Case, impeller and adapter



### Marine Vented Loops

20913 Series

#### Models and Sizes Vented Loop with Vacuum Breaker

Loop Model No.	Size-D	Wt. (Lbs.)	Includes Vacuum Breaker Item
20913-VL-05	1/2	0.05	20913-VB-18F
20913-VL-06	5/8	0.06	20913-VB-18F
20913-VL-07	3/4	0.07	20913-VB-18F
20913-VL-09*	7/8	1.00	20913-VB-18F
20913-VL-10	1	1.10	20913-VB-18F
20913-VL-11**	1-1/8	1.20	20913-VB-38
20913-VL-15	1-1/2	1.30	20913-VB-38
20913-VL-20	2	1.70	20913-VB-38

\*Same as 1/2" pipe O.D.  
\*\*Fits rule bilge pump hose

#### Application

- Head Flushing Discharge Line
- Engine Wet Exhaust Line
- Bilge Pump Out Line

#### Features & Benefits

- Stops Back Siphonage
- Sizes 1/2"-2"
- SAE Hose Barb connection

#### Technical Data

- Delrin Vacuum Breaker included
- Corrosion-proof construction

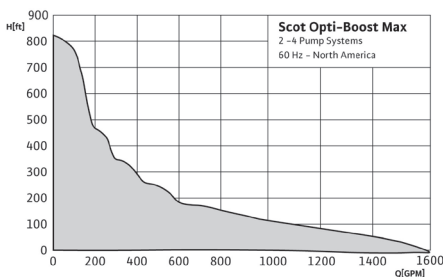
#### Materials of Construction

- 316 Stainless Steel



### Opti-Boost Max

1-4 Pump Pressure Boosting Systems



#### Application

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

#### Max. Flow

1,578 GPM

#### Max. Head

807 feet

#### Features & Benefits

- High efficient EC motor (IE5)
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard Modbus and BACnet™, LonWorks® interface modules (optional)
- Adjustable low pressure cut-out
- Balanced run time for all pumps

#### Technical Data

- Fluid temp range: -22°F to 248°F (-30°C to 120°C)
- Electrical connection: 3~460V
- Rated pressure: 232 or 363 PSI depending on number of pump stages
- System connection: 150 or 300 Class ANSI flanges depending on maximum system pressure
- TEFC motors standard

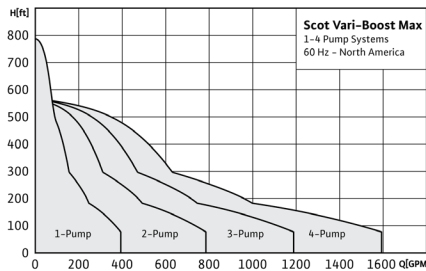
#### Materials of Construction

- All 304 Stainless Steel construction
- Entire packaged systems are listed under UL for NSF/ANSI 61
- 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



### Vari-Boost Max

1-4 Pump Pressure Boosting Systems



#### Application

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

#### Max. Flow

1,600 GPM

#### Max. Head

580 feet

#### Features & Benefits

- 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

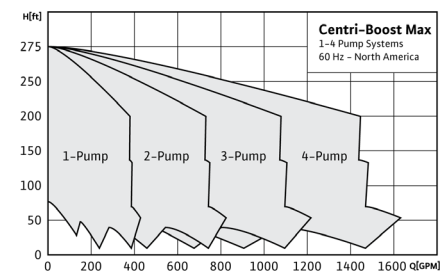
#### Materials of Construction

- 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



### Centri-Boost Max

1-4 Pump 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, 1/4" Stainless Steel Pressure Transducers
- Rated pressure: 150 PSI
- Flange connection: 150 Class ANSI

#### Materials of Construction

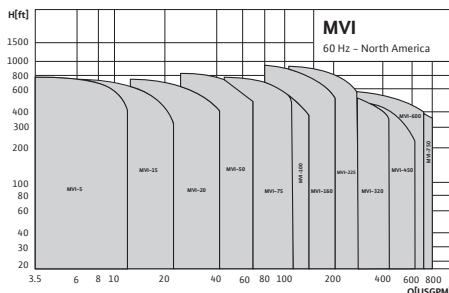
- All wetted components are of 304 Stainless Steel construction
- Entire packaged systems are listed under UL for NSF 61 and NSF 372
- Entire packaged systems are listed under UL for QCZJ packaged pumping systems
- EPDM/FKM elastomers
- Type 21 Mechanical seal





## MVI

### High-Pressure Vertical Multistage Centrifugal Pumps



#### Application

- Water Supply
- Pressure Boosting
- Industrial Circulation Systems
- Process Water
- Cooling Water Circulation Systems
- Washing Systems
- Irrigation

#### Max. Flow

800 GPM

#### Max. Head

950 feet

#### Features & Benefits

- Non-self-priming, high pressure, vertical multistage centrifugal pump with inline connections
- The MVI is equipped with cartridge mechanical seal which enables quick and easy maintenance
- The spacer coupling allows the mechanical seal to be replaced without removing the motor
- The MVI series is also available with variable frequency drive upon request

#### Technical Data

- NSF/ANSI 372 and 61 certified
- Power connections: 1~115/230 V  
3~ 230/460/575 V
- Fluid temperature range determined by liquid type
- Ambient temperature: 5°F to 104°F
- Max. operating pressure: 145 PSI, 232 PSI, 363 PSI and 435 PSI  
(Depending on number of stages)

#### Materials of Construction

- ANSI CLASS flanges connection
- 304 and 316 Stainless Steel construction
- Stainless Steel impellers, chambers, and casing



# WEIL

## Pump

*A WILO BRAND*

Weil has long been at the forefront in the design and manufacturing of centrifugal pumps for construction, industrial, commercial, and municipal applications.

Dedicated to building a product that engineers can specify, and contractors can sell and install with confidence, quality has always come first. In addition to pumps, Weil manufactures removal systems and controls, ensuring single-source accountability and trouble-free start-up and operation.

Weil's insistence on high-quality, rugged designs ensures the least maintenance over the life of the pump and yields the lowest lifecycle cost of any pump available. Additionally, Weil has an exclusive, national network of sales representatives whose interests and efforts continue even after the sale.





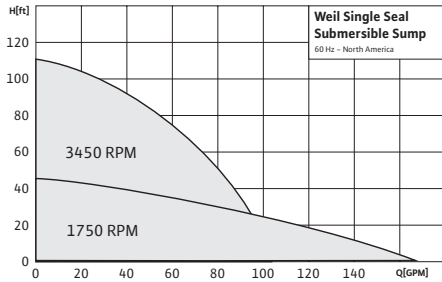






## Single Seal Submersible Sump Pumps

Series 1400



### Application

- Elevator Pits
- Below Ground Vaults
- Process Water
- Storm Water
- Runoff
- Drainage

### Max. Flow

165 GPM

### Max. Head

105 feet

### Features & Benefits

- Long-duty life
- Heavy-duty, rugged, industrial grade construction
- Air-filled motor
- NPT/ANSI Flange and discharge connections
- Customizable construction

### Technical Data

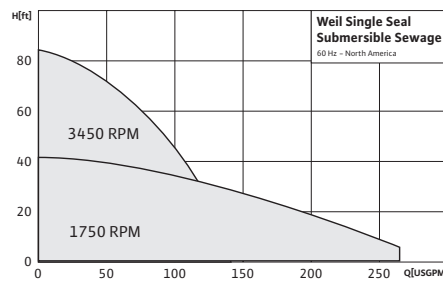
- Class F Insulation
- Double-sealed ball bearings
- Up to 180°F operation
- Copper motor windings
- ½ to 2 HP
- 1 & 3 phase, 115/208-230/460 Volts

### Materials of Construction

- Cast Iron—standard
- Optional Bronze or 316 Stainless Steel impellers
- Optional 316 Stainless Steel cases
- SOOW Cable
- Buna/Viton Seals and O-rings
- Cast Iron or Cast 316 Stainless Steel

## Single Seal Submersible Sewage Pumps

Series 2400



### Application

- Below Ground Vaults
- Effluent & Wastewater
- Clear and Grey water with solids, ideal for sewage pits

### Max. Flow

260 GPM

### Max. Head

85 feet

### Features & Benefits

- Heavy-duty, rugged, construction floor mount or quick removal style
- Long-duty life
- Air-filled motor
- Customizable options

### Technical Data

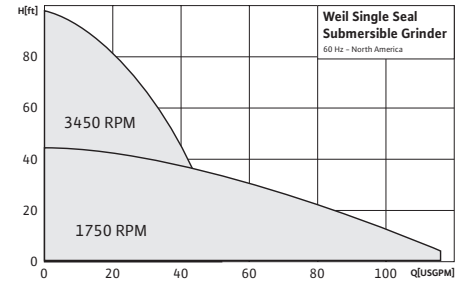
- Class F Insulation
- Thick gauge copper windings
- Type 21 mechanical seal
- Double-sealed ball bearings
- SOOW power and sensor cable
- ½ to 2 ½ HP
- 1 & 3 phase 115/208-230/460 Volts

### Materials of Construction

- Cast Iron motor and pump housings
- Optional Bronze and 316 Stainless Steel Impellers and 316 Stainless Steel cases
- Buna/Viton Seals and O-rings
- Stainless hardware
- Cast Iron or Cast 316 Stainless Steel

## Single Seal Submersible Grinder Pumps

Series 2400



### Application

- Residential sewage basins
- Commercial & Industrial sewage pit
- Underground Vaults
- Process water with debris

### Max. Flow

125 GPM

### Max. Head

100 feet

### Features & Benefits

- Reduces sewage solids and debris to 3/8" diameter or less
- Long-life Stainless Steel cutting components hardened to Rockwell 58C

### Technical Data

- Class F Insulation
- Thick gauge copper windings
- Type 21 mechanical seal
- Double-sealed ball bearings
- SOOW power and sensor cable
- ½ to 2 ½ HP
- 1 & 3 phase 115/208-230/460 Volts

### Materials of Construction

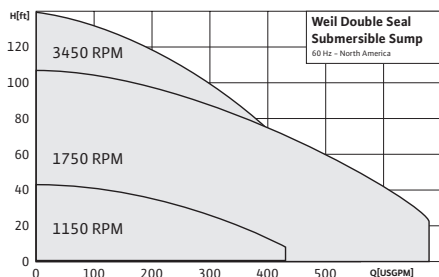
- Cast Iron motor and pump housings
- Optional Bronze and 316 Stainless Steel Impellers and 316 Stainless Steel cases
- Buna/Viton Seals and O-rings
- Cast Iron or Cast 316 Stainless Steel





### Double Seal Submersible Sump Pumps

#### Series 1600



#### Application

- Commercial & Industrial Pits
- Pump Clear and Grey Water
- Effluent & Wastewater with some solids
- Loading docks, washdown, parking lots, flood vaults

#### Max. Flow

675 GPM

#### Max. Head

145 feet

#### Features & Benefits

- Double-sealed ball bearings
- Heavy-duty, rugged, Cast Iron construction
- Long-duty life
- Double-mechanical seal –type 21
- UL/CUL listed explosion-proof designs for class 1, div 1 applications

#### Technical Data

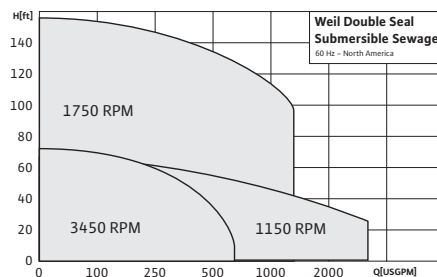
- Class F Insulation
- Thick gauge copper windings
- Double-sealed ball bearings
- SOOW power and sensor cable
- 1/2 to 15 HP
- 1 & 3 phase 115/208-230/460/575 Volts

#### Materials of Construction

- Cast Iron motor and pump housings
- Optional Bronze and 316 Stainless Steel Impellers and 316 Stainless Steel cases
- Buna/Viton seals and O-rings
- Stainless hardware
- Cast Iron or Cast 316 Stainless Steel

### Double Seal Submersible Sewage Pumps

#### Series 2500



#### Application

- Passes sewage/solids up to 4" diameter for use in sanitary, wastewater, effluent process fluids
- Vaults and pits, stormwater/runoff, flood

#### Max. Flow

2,500 GPM

#### Max. Head

155 feet

#### Features & Benefits

- Semi-open and enclosed impeller designs
- Double-sealed ball bearings
- Heavy-duty, rugged, Cast Iron construction
- Long-duty life
- Double-mechanical seal –type 21
- UL/CUL listed explosion-proof designs for class 1, div 1 applications

#### Technical Data

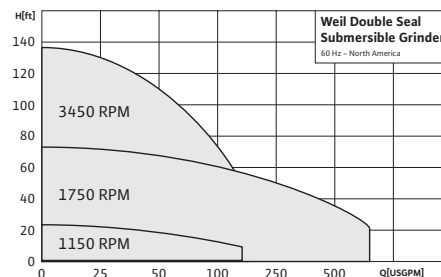
- Class F Insulation
- Thick gauge copper windings
- Double-sealed ball bearings
- SOOW power and sensor cable
- 1/2 to 50 HP - 50-60hz
- 1 and 3 phase 115/208-230/460/575 Volt
- 1150/1750/3500 RPM

#### Materials of Construction

- Cast Iron motor and pump housings
- Optional Bronze and 316 Stainless Steel Impellers and 316 Stainless Steel cases
- Buna/Viton Seals and O-rings
- Stainless hardware
- Cast Iron or Cast 316 Stainless Steel

### Double Seal Submersible Grinder Pumps

#### Series 2500



#### Application

- Residential sewage basins, commercial and industrial sewage pit, underground vaults, process water with debris

#### Max. Flow

660 GPM

#### Max. Head

135 feet

#### Features & Benefits

- Reduces sewage solids and debris to 3/8" diameter or less
- Long-life Stainless Steel cutting components hardened to Rockwell 58C
- Double-mechanical seal –type 21
- UL/CUL listed explosion-proof designs for class 1, div 1 applications
- 440 C stainless Grinder/Cutter components

#### Technical Data

- Class F Insulation
- Thick gauge copper windings
- Double-sealed ball bearings
- SOOW power and sensor cable
- 3/4 to 6 HP
- 1 & 3 phase 115/208-230/460/575 Volts

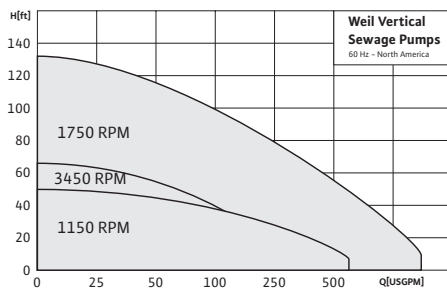
#### Materials of Construction

- Cast Iron motor and pump housings
- Optional Bronze and 316 Stainless Steel Impellers and 316 Stainless Steel cases
- Buna/Viton seals and O-rings
- Cast Iron or Cast 316 Stainless Steel



## Vertical Sewage Pumps

Series 2100, 2200



### Application

- Passes sewage/solids up to 4" diameter for use in sanitary, wastewater, effluent process fluids
- Vaults and pits, stormwater/runoff, flood

### Max. Flow

875 GPM

### Max. Head

130 feet

### Features & Benefits

- Column style sewage/solids handling pumps in 2–6" discharge
- 2ft – 16ft build lengths
- Flexible coupled
- Customizable construction
- NEMA C–Face TEFC motor
- Heavy-duty, rugged, Cast Iron pump and bearing housings
- Precision machined and polished shaft

### Technical Data

- ½–30HP – 50/60hz
- 1 & 3 phase 115/208–230/460/575 volts
- 1150/1750 RPM

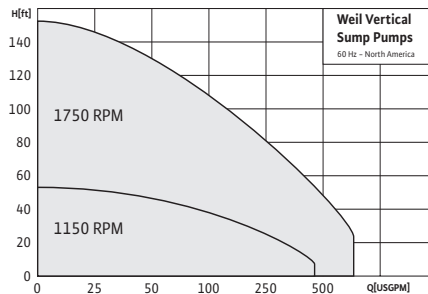
### Materials of Construction

- Cast Iron pump and bearing housings
- Optional Bronze impeller
- Bronze sleeve bearings–grease lubricated
- Double-sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate
- Cast Iron or Cast 316 Stainless Steel



## Vertical Sump Pumps

Series 1100, 1200, 1300



### Application

- Residential, commercial, industrial sump pits, process fluids, underground vaults
- Clear and grey water with small strained solids

### Max. Flow

675 GPM

### Max. Head

155 feet

### Features & Benefits

- Column style clear/grey water sump pumps in 1.25–4" discharge
- 2ft – 16ft build lengths
- Flexible coupled
- Customizable construction
- NEMA C–Face TEFC motor
- Heavy-duty, rugged, Cast Iron pump and bearing housings
- Precision machined and polished shaft

### Technical Data

- ½–15 HP – 50/60hz
- 1 & 3 phase 115/208–230/460/575 Volt
- 1150, 1750, 3500 RPM

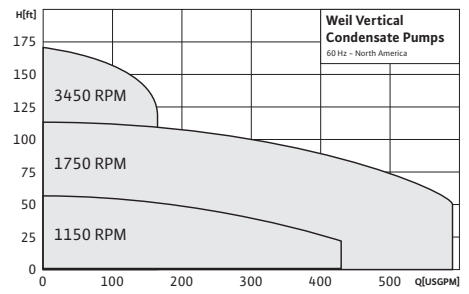
### Materials of Construction

- Cast Iron pump and bearing housings
- Optional Bronze impeller
- Bronze sleeve bearings–grease lubricated
- Double-sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate
- Cast Iron or Cast 316 Stainless Steel



## Vertical Condensate Pumps

Series 4500



### Application

- Hot water condensate (210°F), cold water condensate, moderate acidic or alkaline process water, grease-free pits

### Max. Flow

600 GPM

### Max. Head

175 feet

### Features & Benefits

- Column style clear condensate water pump in 1.5–3" discharge
- Stainless Steel shaft, bronze impeller, and graphite sleeve bearings able to withstand high temperatures and slightly corrosive environments
- NEMA C Face TEFC motor

### Technical Data

- ½–5HP – 50/60hz
- 1 & 3 phase 115/208–230/460/575 Volts
- 1150, 1750, 3500 RPM Motor

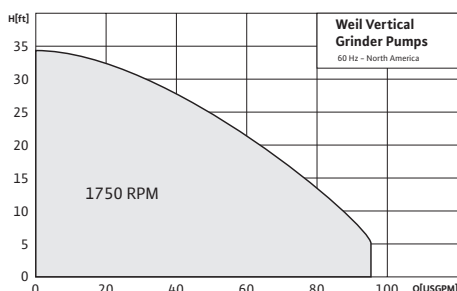
### Materials of Construction

- 416 Stainless Steel shaft
- Graphite sleeve bearings
- Bronze enclosed impeller
- Heavy-duty, rugged, cast pump housings/ bearings



## Vertical Grinder Pumps

Series 2100



### Application

- Residential sewage basins, commercial and industrial sewage pit, underground vaults, process water with debris

### Max. Flow

90 GPM

### Max. Head

34 feet

### Features & Benefits

- Column style sewage/solids grinder pump –2" discharge
- Reduces sewage solids and debris to 3/8" diameter or less
- Long-life Stainless Steel cutting components hardened to Rockwell 58C

### Technical Data

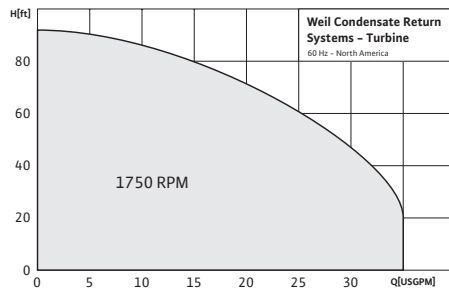
- 1/2-5HP – 50/60hz
- 1 & 3 phase 115-208-230/460/575 Volts
- 1750-3500RPM

### Materials of Construction

- Cast Iron pump and bearing housings
- Optional bronze impeller
- Bronze sleeve bearings—grease lubricated
- Double-sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate
- 440C Stainless Steel Grinder/Cutter components
- Cast Iron or Cast 316 Stainless Steel

## Weil Condensate Return Systems – Turbine Pumps

Series 4100



### Application

- Cold and hot water condensate recovery system
- Simplex or duplex

### Max. Flow

35 GPM

### Max. Head

90 feet

### Features & Benefits

- Condensate return system includes tank, pump and control
- Close tolerance regenerative turbine pump
- Simple pump pull-out design

### Technical Data

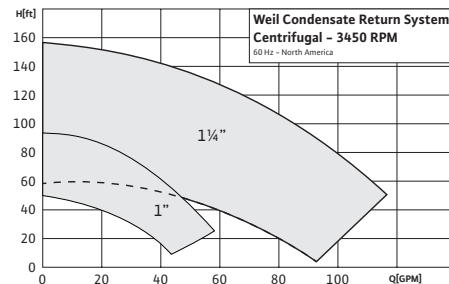
- 1 & 3 phase, 50/60 hz
- 115/208-230/460/575 volt
- 1750 RPM

### Materials of Construction

- Steel receiver
- Cast Iron pumps/Bronze option
- Stainless Steel float
- 304 Stainless Steel Receiver

## Weil Condensate Return Systems – Centrifugal Pumps

Series 4200



### Application

- Cold and hot water condensate recovery system
- Simplex or duplex

### Features & Benefits

- Condensate return system includes tank, pump, & control
- End suction centrifugal close-coupled pump design
- Mechanical alternator

### Technical Data

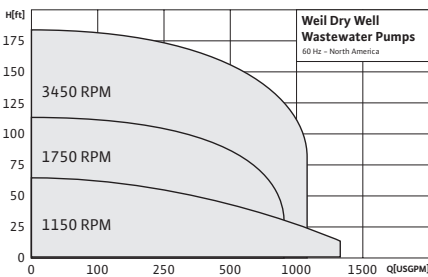
- 1 & 3 phase, 50/60 hz
- 115/208-230/460/575 volt
- 3500 RPM
- Cast or 316 Stainless Steel Pumps
- Steel painted or 304 Stainless Steel Receivers





## Dry Well Wastewater Pumps

Series 2800



### Application

→ Above ground tank with pipe connection, clear or grey water collection tanks, sewage, and solids tanks, where pump and motor must be easily visible and accessible

### Max. Flow

1,300 GPM

### Max. Head

185 feet

### Features & Benefits

- Close-coupled end suction sump/sewage pumps
- Close-coupled back pull-out design, horizontal or vertical mount, sump sewage, and grinder models

### Technical Data

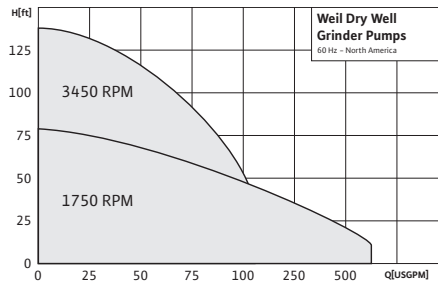
- NEMA JM frame TEFC motor
- ANSI flange and NPT connections
- 2-4" discharge
- ¾-10HP – 50/60hz
- 1 & 3 phase, 115-208-230/460/575 Volt
- Type 21 mechanical seal

### Materials of Construction

- Cast Iron pump construction
- Bronze and Stainless Steel options
- Bronze or Stainless Steel shaft sleeve
- Buna mechanical seal and O-rings

## Dry Well Grinder Pumps

Series 2800



### Application

→ Above ground tank with pipe connection, clear or grey water collection tanks, sewage, and solids tanks, where pump and motor must be easily visible and accessible

### Max. Flow

660 GPM

### Max. Head

135 feet

### Features & Benefits

- Close-coupled end suction grinder pump 2" discharge
- Close-coupled back pull-out design, horizontal or vertical mount, sump sewage and grinder models

### Technical Data

- NEMA JM Frame TEFC motor
- 1-7.5HP – 50/60hz
- 1750, 3500 RPM
- 1 & 3 phase 115/208-230/460/575 Volt
- Type 21 mechanical seal

### Materials of Construction

- Cast Iron pump construction
- Bronze and Stainless Steel options
- Bronze or Stainless Steel shaft sleeve
- Buna mechanical seal and O-rings
- 440C Stainless Steel Grinder/Cutter components

## Pump Accessories

Series 2600

### Includes:

- Quick Removals
- Valve Systems
- Reverse Flow Systems
- Agitator

### Application

→ Sump and sewage pit, fiberglass basins, concrete vault

### Max. Flow

N/A

### Max. Head

N/A

### Features & Benefits

- Quick removal systems and accessories
- Facilitate the installation and removal of submersible sump, sewage, grinder, and vortex pumps

### Technical Data

- Simplex and duplex sub base plate
- Simplex and duplex floor elbows and sliding brackets
- Floor elbow and flange kits

### Materials of Construction

- Cast Iron standard
- Bronze sliding brackets—optional
- 316 stainless systems—optional cast



## Packaged Systems

Series 2640

### Includes:

- Basin
- Basin cover
- Sub base
- Removal system
- Pumps
- Valves
- Piping
- Floats
- Junction box
- Control panel

### Application

- Below ground sump and sewage pits
- Below cover or through-cover designs

### Max. Flow

N/A

### Max. Head

N/A

### Features & Benefits

- Fiberglass basin package systems with pumps, valves, piping, and cover
- Thick-walled basin with anti-float flange and lift lugs
- Studded for quick remove systems
- Discharge coupling plates

### Technical Data

- Through sidewall bolted plates for discharge and electrical cables
- Oversized anti-float plate

### Materials of Construction

- Fiberglass basin
- Galvanized piping
- Cast Iron valve assembly
- Aluminum or Steel cover

## Booster Systems

Series 5000 – Vertical Multistage & Horizontal End Suction

### Capabilities:

- 5100 Co Helix VMX to 20 HP
- 5300 Horizontal Single Stage to 25 HP
- 5400 Co MVI VMS to 100 HP
- UL NSF 61/372 Rated
- UL QCZJ/7

### Application

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

### Max. Flow

3,200 GPM

### Max. Head

1,000 feet

### Features & Benefits

- 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

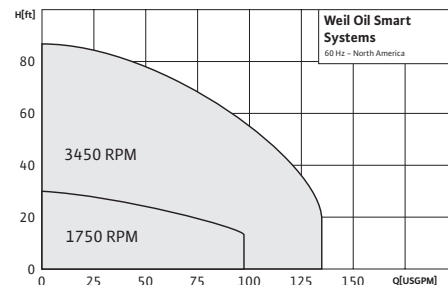
- Certified to NSF/ANSI 372 & 61
- Temp range: 4°F to 248°F (-15°C to 120°C)
- Electrical Connections: 3~208-230/460/575v
- Rated pressure: 232 PSI or 363 PSI
- Flange connection: 300 class ANSI
- TEFC motors standard

### Materials of Construction

- All 304 Stainless Steel construction
- EPDM/FKM Elastomers
- Mechanical seal options
- Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical seal

## Oil Smart Systems

Series 8400



### Application

- Elevator pits, containment sites, transformer pits
- Curve shown above represents stocked units

### Max. Flow

2,500 GPM

### Max. Head

155 feet

### Features & Benefits

- Submersible pump, oil sensor, and alarm package
- Single seal submersible floor mount pump
- Piggyback and direct control designs
- Conductive pump control sensor
- Conductive oil alarm sensor

### Technical Data

- 1 & 3 phase
- 115/208-230/460 volt
- 1750 and 3500 RPM pumps
- Simplex and duplex designs

### Materials of Construction

- Cast Iron pump
- Type 4 plastic control box
- SOOW cables



## Weil Basin Covers, Floor Plates, Curb Rings and Frames

Series 8800

### Application

- Round basins for vertical or submersible pumping applications
- Square basins for vertical or submersible pumping applications

### Features & Benefits

- Thick steel cover with flange kits, float plates, and cable plates

### Technical Data

- Up to 78" OD, 3/8" or 1/2" thick steel

### Materials of Construction

- Zinc-plated floor plates and flanges, rubber gaskets
- Steel, Zinc dichromate-plated steel, BUNA rubber, Gastight sealant

## Weil Level Controls, Junction Boxes, and Alarms

Series 8200, 8300

### Application

- Clear water pits, sewage pits, SS models for corrosive pits

### Features & Benefits

- High-quality sealed housings that ensure trouble-free operation
- Variable BUNA power cable

### Technical Data

- 115 volt typical, DC for ISR applications
- Pilot-duty and full HP models

### Materials of Construction

- Housing: plastic, delrin, ABS, Stainless Steel
- Buna power cable and seals

## Weil Control Panels – PLC & PLC/VFD

Series 8100

### Application

- Turns pumps on & off via level controls, including transducers or floats
- Status indicators, fault indicators for alarm conditions, audible alarms
- Controls pumps used in sump and sewage pumping application

### Features & Benefits

- Smart control panels to operate from 1-4 pumps
- PLC technology, transducer capable, failsafe circuits, advanced communications

### Technical Data

- 1 & 3 phase, 50/60 hz
- 115/208-230/460/575 volt
- UL 508 and UL 698 listed

### Materials of Construction

- Steel and coated
- Fiberglass, Stainless Steel





## Weil Control Panels–Electromechanical

Series 8100

### Application

- Turns pumps on & off via level controls,
- Status indicators, fault indicators for alarm conditions, audible alarms

### Features & Benefits

- Control panels to operate from 1 to 4 pumps
- Controls pumps used in sump and sewage pumping application

### Technical Data

- 1 & 3 phase, 50 & 60 hz
- 115/208–230/460/575 volts
- UL 508 and UL 698 listed

### Materials of Construction

- Steel and coated
- Fiberglass, Stainless Steel



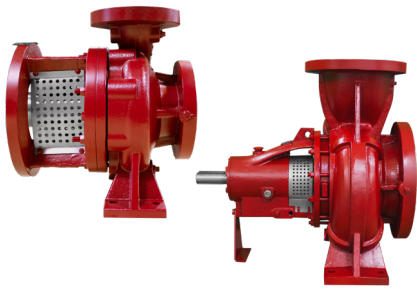
# AMERICAN-MARSH PUMPS

*A WILO BRAND*

For over 150 years, American-Marsh Pumps has provided pumps for the industrial, municipal, agricultural, commercial and fire protection markets. The pump offerings include end suction, process sump, non-clog self-priming, split-case and ANSI process as well as vertical and submersible turbines. The American-Marsh campus, featuring a 300,000-gallon HI certified test laboratory, located in Collierville, Tennessee, was acquired by WILO USA LLC in 2019.

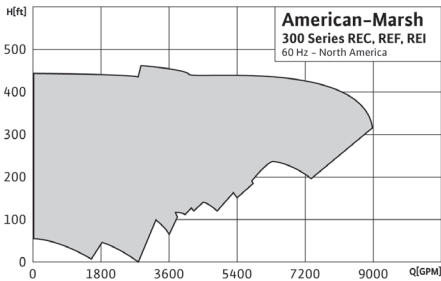






### 300 Series REC, REF

REC Close-Coupled & REF Flex-Coupled End Suction Pumps



#### Application

- Agriculture & Irrigation
- Commercial
- Industrial
- Municipal
- Circulation
- Booster
- HVAC

#### Max. Flow

9,000 GPM

#### Max. Head

450 feet

#### Features & Benefits

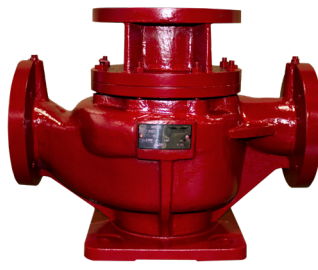
- Back pull-out design
- Replaceable case wear rings
- Internal plan 1 seal flush
- CL 250 cast flanges drilled to CL 125
- Centerline discharge
- Integral feet on casing
- Suction & discharge flanges drilled & tapped for gauges
- Standard T-frame motors on flex-coupled models
- REC close-coupled utilize standard C-face T-frame motors
- REF base mounted, flex-coupled

#### Technical Data

- Temperatures up to 180°F
- Discharge sizes: 1.25" - 12"

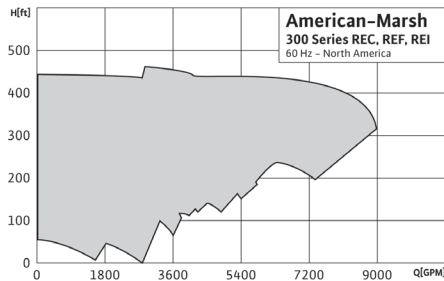
#### Materials of Construction

- Cast Iron
- Stainless Steel fitted
- 810 Component seal



### 300 Series REI

Vertical Inline Pumps



#### Application

- Commercial
- Industrial
- Municipal
- Circulation
- Booster
- HVAC

#### Max. Flow

9,000 GPM

#### Max. Head

450 feet

#### Features & Benefits

- Back pull-out design
- Replaceable case wear rings
- Internal plan 1 seal flush
- CL 250 cast flanges drilled to CL 125
- Centerline discharge
- Integral feet on casing
- Suction & discharge flanges drilled & tapped for gauges
- REI close-coupled utilize standard C-face T-frame motors

#### Technical Data

- Temperatures up to 180°F
- Discharge sizes: 2" - 12"

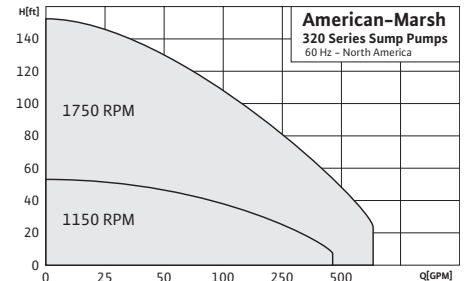
#### Materials of Construction

- Cast Iron
- Stainless Steel fitted
- 810 Component seal



### 320 Series Sump

Model 711200 & 711300 Vertical Column Sump Pumps



#### Application

- Residential, commercial, industrial sump pits, process fluids, underground vaults
- Clear and grey water with small strained solids

#### Max. Flow

675 GPM

#### Max. Head

155 feet

#### Features & Benefits

- Column style clear/grey water sump pumps in 1.25-4" discharge
- 2ft - 16ft build lengths
- Flexible coupled
- Customizable construction
- NEMA C-Face TEFC motor
- Heavy-duty, rugged, Cast Iron pump and bearing housings
- Precision machined and polished shaft

#### Technical Data

- ½-15 HP - 50/60hz
- 1 & 3 phase 115/208-230/460/575 Volt
- 1150, 1750, 3500 RPM

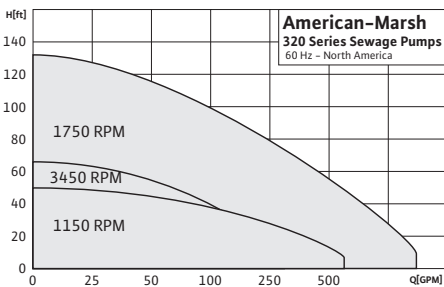
#### Materials of Construction

- Cast Iron pump and bearing housings
- Optional Bronze impeller
- Bronze sleeve bearings-grease lubricated
- Double-sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate
- Cast Iron or Cast 316 Stainless Steel



### 320 Series Sewage

Model 712100 & 712200  
Vertical Column Sewage Pumps



#### Application

- Passes sewage/solids up to 4" diameter for use in sanitary, wastewater, effluent process fluids
- Vaults and pits, stormwater/runoff, flood

#### Max. Flow

875 GPM

#### Max. Head

130 feet

#### Features & Benefits

- Column style sewage/solids handling pumps in 2-6" discharge
- 2ft – 16ft build lengths
- Flexible coupled
- Customizable construction
- NEMA C-Face TEFC motor
- Heavy-duty, rugged, Cast Iron pump and bearing housings
- Precision machined and polished shaft

#### Technical Data

- ½-30HP – 50/60hz
- 1 & 3 phase 115/208-230/460/575 volts
- 1150/1750 RPM

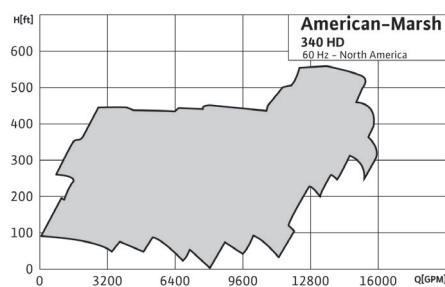
#### Materials of Construction

- Cast Iron pump and bearing housings
- Optional Bronze impeller
- Bronze sleeve bearings—grease lubricated
- Double-sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate
- Cast Iron or Cast 316 Stainless Steel



### 340 Series HD

Double Suction Split Case Pumps



#### Application

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

#### Max. Flow

16,000 GPM

#### Max. Head

550 feet

#### Features & Benefits

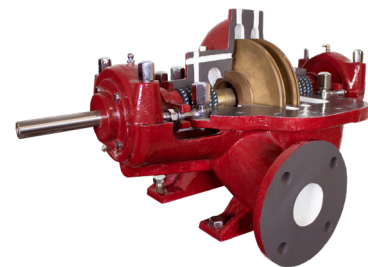
- Double suction impellers
- Heavy-duty construction
- Replaceable bearings without full disassembly
- Case wear rings
- Internal plan 1 flush

#### Technical Data

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

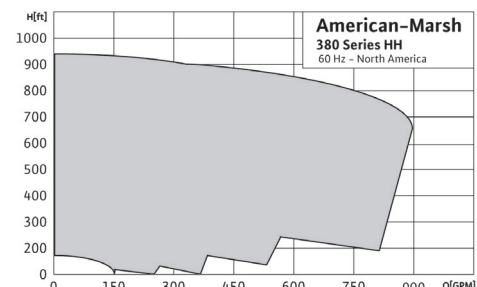
#### Materials of Construction

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



### 380 Series HH

Two-Stage Horizontal Split Case Pumps



#### Application

- Boiler Feed
- Condensate
- High Pressure Booster
- Mining

#### Max. Flow

900 GPM

#### Max. Head

950 feet

#### Features & Benefits

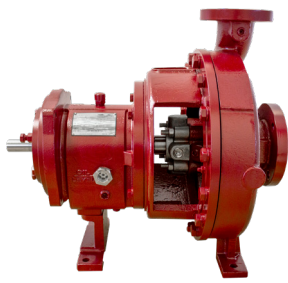
- High head
- Opposed impellers
- Optional ring-oiled lubrication

#### Technical Data

- Temperature up to 220°F
- Base mounted, flex-coupled
- Discharge sizes: 1.5" to 4"

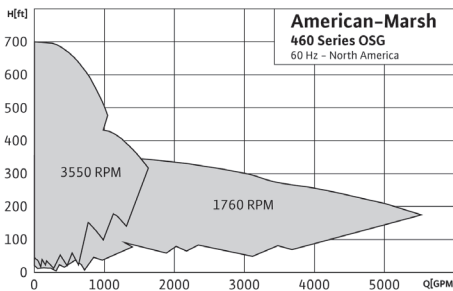
#### Materials of Construction

- Cast Iron
- Bronze fitted



### 460 Series OSG

ANSI B73.1 Process End Suction Pumps



#### Application

- Process
- Petrochemical
- Pulp & Paper
- Steel Mills
- Municipal
- Mining

#### Max. Flow

5,500 GPM

#### Max. Head

700 feet

#### Features & Benefits

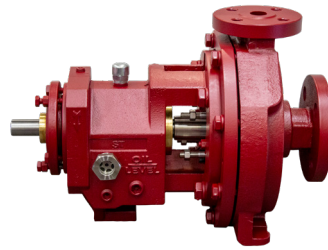
- Back pull-out design
- Open, adjustable impellers
- Heavy walled casing
- Heavy duty shaft and bearings
- Oil lubricated bearings
- Labyrinth oil seals
- Base mounted, flex-coupled
- Multiple stuffing box configurations
- Multiple sealing options
- Multiple materials of construction options

#### Technical Data

- Max. Temperature (standard): 300°F
- Max. Temperature (modified): 350°F
- Discharge Sizes: 1"-8"
- Suction & Discharge Flange Rating: 150# flat face

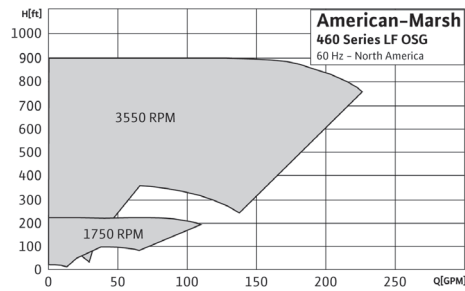
#### Materials of Construction

- 316 SS / 316 SS fitted
- Sleeved 4140 steel shaft with 316 SS sleeve
- Standard bore stuffing box
- Elastomer bellows mechanical seal with silicon carbide faces



### 460 Series LF OSG

ANSI B73.1 Process End Suction Pumps



#### Application

- Process
- Petrochemical
- Pulp & Paper
- Steel Mills
- Municipal

#### Max. Flow

220 GPM

#### Max. Head

925 feet

#### Features & Benefits

- Designed for low flow services
- Back pull-out design
- Open radial vane adjustable impellers
- Concentric circular casing
- Heavy walled casing
- Heavy duty shaft and bearings
- Oil lubricated bearings
- Labyrinth oil seals
- Base mounted, flex-coupled
- Multiple stuffing box configurations
- Multiple sealing options
- Multiple materials of construction options

#### Technical Data

- Max. Temperature (standard): 300°F
- Max. Temperature (modified): 350°F
- Discharge Sizes: 1"-1.5"
- Suction & Discharge Flange Rating: 150# raised face (300# raised face for the 1.5x3-13)

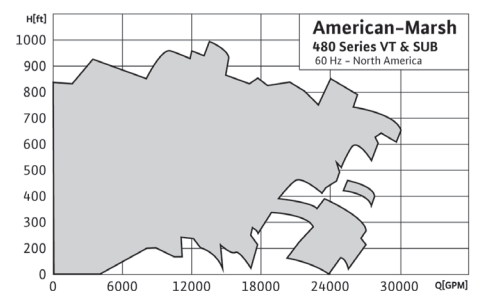
#### Materials of Construction

- 316 SS / 316 SS fitted
- Sleeved 4140 steel shaft with 316 SS sleeve
- Standard bore stuffing box
- Elastomer bellows mechanical seal with silicon carbide faces



### 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

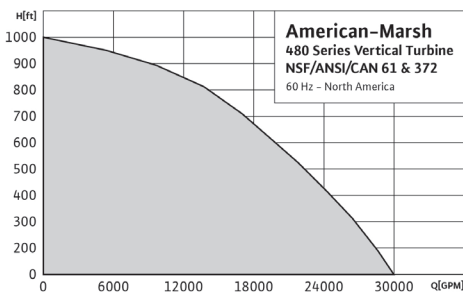
- Cast Iron
- Bronze or Stainless Steel fitted
- Optional metallurgies available





### 480 Series Vertical Turbine NSF

Open Lineshaft Pumps



#### Application

- Potable Water
- Water Well

#### Max. Flow

30,000 GPM

#### Max. Head

1,000 feet

#### Features & Benefits

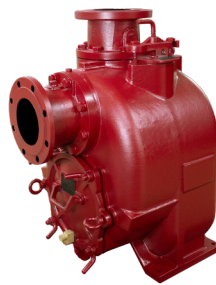
- Open lineshaft design
- Packing and cartridge seal options
- Threaded column pipe up to 12"
- Flanged column pipe up to 24"
- Drop in or fabricated bearing retainers
- Threaded or keyed lineshafts up to 2-15/16"
- Optional suction can/barrel
- Epoxy coatings

#### 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"

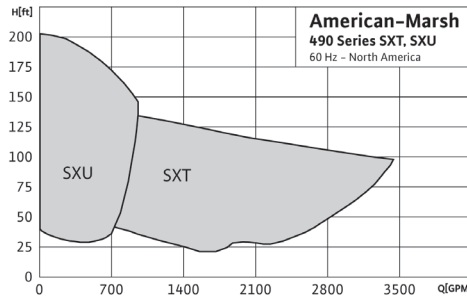
#### Materials of Construction

- 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



### 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



### 500 Series FP-VT Fire

Vertical Turbine Fire Pumps



#### Application

- Fire Protections

#### Max. Flow

4,500 GPM

#### Max. Head

840 feet

#### Features & Benefits

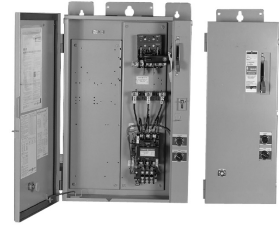
- UL/FM certification
- Cast Iron/Bronze fitted
- Packed
- Packaged with driver & controller

#### Technical Data

- Temperature up to 120°F
- 1500 to 1800 RPM

#### Materials of Construction

- Cast Iron
- Bronze fitted
- Bronze impellers



### Right Angle Gear Drives

For 480 Series Vertical Turbine Pumps

#### Application

- Agricultural & Irrigation
- Industrial
- Municipal
- Fire

#### Features & Benefits

- Cooling coils available
- Non-reverse clutches
- Rigid castings designed to insure correct alignment
- Gears are case hardened alloy steel, lapped in pairs
- Positive pressure oil distribution systems
- Bearings exceed AGMA recommendations

#### Technical Data

- Gear drives rated from 30 HP to over 1,000 HP

#### Materials of Construction

- Industry Standard

### 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







# QuantumFlo

*A WILO BRAND*

QuantumFlo was established to design, manufacture and deliver the best packaged technologies to the pump systems market.

The worldwide leader of variable speed packaged pump systems for domestic water and water reclamation solutions, QuantumFlo offers the industry's most advanced technologies for commercial plumbing, industrial applications, and rainwater harvesting for irrigation and facilities management.

Super system design makes it easy to upgrade and retrofit aging or obsolete systems. From modifications and retrofits to full system upgrades, QuantumFlo's highly intelligent, lightning-fast responsive operating system and top-of-the-line craftsmanship are the preferred solution for efficiently moving water horizontally and vertically.

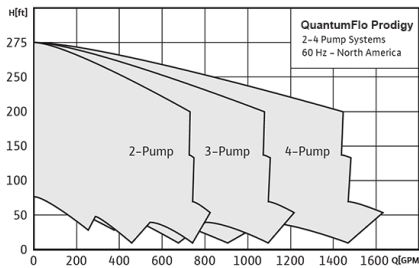
QuantumFlo offers a range of solutions from pre-packaged pump systems to custom designs. Our products are driven by advanced intelligence algorithms and a finely tuned booster operating system software (B.O.S.S.) called iQFlo™. Built from superior quality components and carrying a 5 Year Limited Warranty on the entire 3rd party certified system - QuantumFlo delivers reliability, efficiency and peace of mind.





## Prodigy

End Suction Pumps Mounted Vertically or Horizontally



### Application

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

### Max. Flow

1,600 GPM

### Max. Head

275 feet

### Features & Benefits

- Includes Scot 320–342 series Stainless Steel pumps
- Full system kWh energy reporting
- Easy to use 7" touchscreen
- Integrated iQFlo 3.0 B.O.S.S. (Booster Operating System Software) with troubleshooting wizards and user-friendly format
- Modbus or optional BACnet™ available
- 20–50% energy savings over standard systems
- Every unit factory flow tested 0–100%
- 5-year warranty on the entire unit

### Technical Data

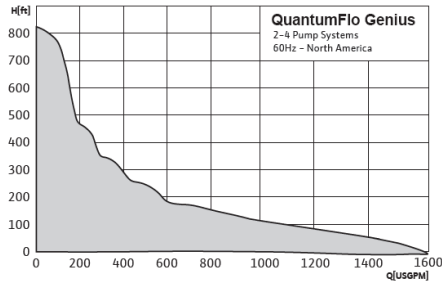
- Fluid temp range: up to 140°F (60°C)
- Electrical connections: 208/230/460–3–60
- Rated pressure: up to 363 PSI depending on number of pump stages
- System connection: grooved or flanged 150 or 300 Class ANSI
- TEFC motors standard
- Rated pressure: 150 PSI

### Materials of Construction

- All 304 Stainless Steel construction
- Entire packaged system: IAPMO NSF/ANSI 61 3rd party certified
- Entire packaged system: UL 508A and QCZJ packaged pumping systems

## Genius

Vertical Multi-Stage Pumps



### Application

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

### Max. Flow

1,578 GPM

### Max. Head

807 feet

### Features & Benefits

- Full system kWh energy reporting
- Easy to use 7" touchscreen
- Integrated iQFlo 3.0 B.O.S.S. (Booster Operating System Software) with troubleshooting wizards and user-friendly format
- Modbus or optional BACnet™ available
- 20–50% energy savings over standard systems
- Every unit factory flow tested 0–100%
- 5-year warranty on the entire unit

### Technical Data

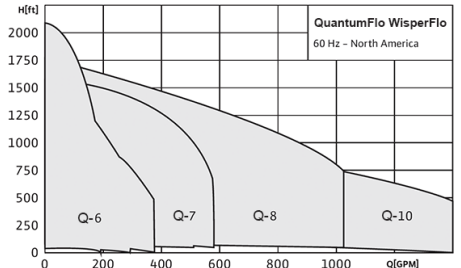
- Fluid temp range: –22°F to 248°F (–30°C to 120°C)
- Electrical connections: 208/230/460–3–60
- Rated pressure: up to 363 PSI depending on number of pump stages
- System connection: grooved or flanged 150 or 300 Class ANSI
- TEFC motors standard

### Materials of Construction

- All 304 Stainless Steel construction
- Entire packaged system: IAPMO NSF/ANSI 61 3rd party certified
- Entire packaged system: UL 508A and QCZJ packaged pumping systems

## WisperFlo

6–10" Submersible 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
- NEMA standard mounting specs
- High-quality shaft bearings
- Check valve standard on all models
- 304 Stainless Steel construction
- Additional models available on request
- Full system kWh energy reporting
- Easy to use 7" touchscreen
- Integrated iQFlo 3.0 B.O.S.S. (Booster Operating System Software) with troubleshooting wizards and user-friendly format
- Modbus or optional BACnet™ available
- 20–50% energy savings over standard systems
- Every unit factory flow tested 0–100%
- 5-year warranty on the entire unit

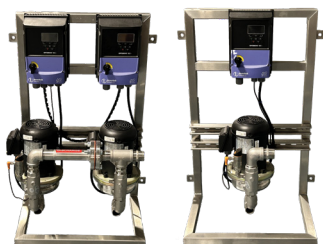
### Technical Data

- Electrical connections: 1~115/230V 3~230/460/575V
- Temp range: up to 95°F (35°C)

### Materials of Construction

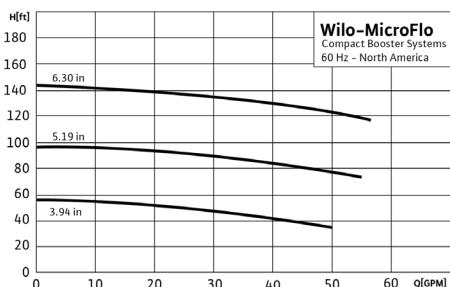
- All 304 Stainless Steel construction
- Entire packaged system: IAPMO NSF/ANSI 61 3rd party certified
- Entire packaged system: UL 508A and QCZJ packaged pumping systems





## MicroFlo

Out of The Box, High-Efficiency Compact Booster



### Application

- Strip Malls/Restaurants
- Multi-Family Housing
- Small Office Buildings
- Truck Stops/Car Washes

### Max. Flow

57 GPM

### Max. Head

140 feet

### Features & Benefits

- Plug & Play Ready Solution requiring minimal engineering
- Highly compact, 1 or 2 pump booster for low flow- low boost applications.
- Variable Frequency Drives & Master Power Switch included standard
- Multi-functional Digital Pressure Sensor with pipe break feature
- Non-Slam (Silent) Operation resilient seated check valve
- Compact Front-Side Access accommodates wall or floor anchoring
- Simplex & Duplex Vertical Mounted Pumps for easy seal maintenance
- Simple System Connections: 1.25" NPT
- 1 Year Warranty

### Technical Data

- Voltages: 230/1, 208/3, 460/3, 575/3
- IP66 Rated VFDs & TEFC Motors for indoor/outdoor locations

### Materials of Construction

- 304 Stainless Steel pumps & fittings

## TransferFlo

Accessory

### Application

- Sewage
- Condensate
- Tank Fill

## QuantumFlo Software

Software

### calQflo®

- Efficient online booster system sizing and selection software
- 100% Control and spec guarantee
- Auto-redundancy calculator
- CAD Drawing library
- Easy-to-use
- Built-in energy saving calculators
- Intuitive kWh calculations
- Lightning-fast submittal creation
- Mobile-friendly
- Ensures product longevity through properly sized systems



### iQFlo™ 3.0

- Booster operating system software for variable speed boosters
- Accurately control pressure without hunting
- Responds lightning-fast to demand without the use of remote sensors
- Recognizes & reacts to pipe fill conditions
- Sensorless shutdown without hydro-tanks
- How-to "Wizards" for all alarm & emergency conditions
- Self-diagnosing





A WILO BRAND

PLAD is a leader in the pump industry with the broadest range of pump selection, types and models, marketed primarily under the tradenames of PLAD and GPM. Our control panel is under the tradename of VARIFLO.

Principal markets served by PLAD include those of: chemicals, paint, food processing, electronics, construction, industrial maintenance, pulp and paper, utilities, process industries, wastewater, sludge processing, mining and golf course irrigation pumping systems.

PLAD products are sold worldwide through a wide network of independent, authorized distributors. PLAD is well represented in most major trading area in North America. PLAD products are manufactured in a wide variety of materials and configurations with energy-efficient design features.



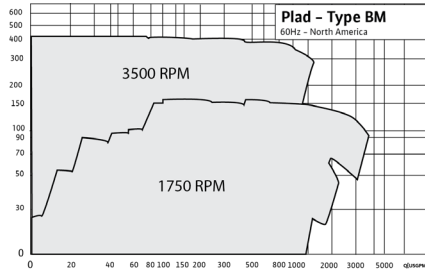






### Type BM

Base Mounted End Suction Pump



#### Application

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

#### Max. Flow

2500 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Back-pull out design for quick removal
- Double volute design
- 95% recyclable material
- Replaceable wear rings

#### Technical Data

- Pump Sizes: 1.0" - 8"
- Max 175 PSI
- Fluid Temp Range: -23°F to 275°F
- 1750 or 3500 RPM Options
- Horsepower to 125 HP

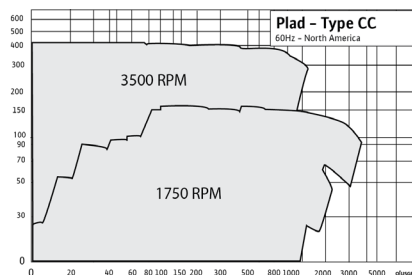
#### Materials of Construction

- Cast Iron Casing ASTM A48, CL30
- Impeller Stainless Steel 304
- Sleeve Bronze SAE 660
- Wear Ring Tin Bronze ASTM B584-90500



### Type CC

Close Coupled Pump



#### Application

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

#### Max. Flow

2500 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Back pull-out design for quick removal
- Double volute design
- 95% recyclable material
- Replaceable wear rings

#### Technical Data

- Pump Sizes: 1.0" - 8"
- Max 175 PSI
- Fluid Temp Range: -23°F to 275°F
- 1750 or 3500 RPM Options

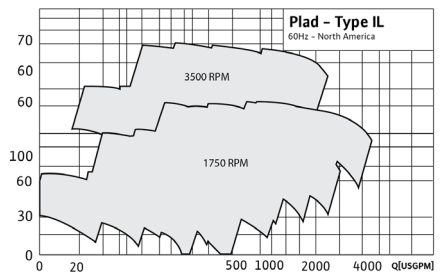
#### Materials of Construction

- Cast Iron Casing ASTM A48, CL30
- Impeller Stainless Steel 304
- Sleeve Bronze SAE 660
- Wear Ring Tin Bronze ASTM B584-90500



### Type IL

Vertical In-line Close-Coupled Pump



#### Application

- Heating and Cooling Systems
- Pressure Boosting
- Municipal Water Supply

#### Max. Flow

4000 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Back pull-out design for quick removal
- Quiet, vibration-free operations
- 95% recyclable material
- Energy Saving - optimized hydraulics
- Double volute design (3" and up)

#### Technical Data

- Pump Sizes: 1.25" - 10"
- Max 262 PSI
- Fluid Temp Range: -23°F to 275°F
- 1750 or 3500 RPM Options

#### Materials of Construction

- Cast Iron Casing ASTM A48, CL30
- Impeller Stainless Steel 304
- Sleeve Bronze SAE 660
- Wear Ring Tin Bronze ASTM B584-90500



### Type IS

Spacer Coupling Vertical In-Line Pump



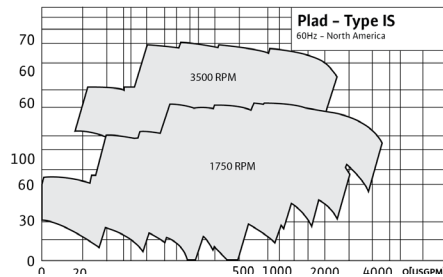
### Variflo

Commercial Water Booster Systems



### Electrical Vertical In-Line

Fire Pumps and Systems



#### Application

- Heating and Cooling Systems
- Pressure Boosting
- Municipal Water Supply

#### Max. Flow

4000 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Back pull-out design for quick removal
- Quiet, vibration-free operations
- 95% recyclable material
- Energy Saving - optimized hydraulics
- Double volute design (3" and up)

#### Technical Data

- Pump Sizes: 1.25" - 10"
- Max 262 PSI
- Fluid Temp Range: -23°F to 275°F
- 1750 or 3500 RPM Options

#### Materials of Construction

- Cast Iron Casing ASTMA48, CL30

#### Application

- Domestic Water

#### Max. Flow

3,250 GPM

#### Max. Head

200 feet

#### Features & Benefits

- Customer design per order
- Minimum Speed Algorithm
- Hi-Speed Switching
- Exclusive Varitimer
- Maximum Speed Setting
- Back-Up Mode
- Dual PID control
- Field Adjustable System Curve Setting
- Alternation Modes
- Anti-Cycling Timers
- Alarm Log

#### Technical Data

- Up to 4 pumps in parallel within 3 groups: Jockey, Booster & Fire
- Each group has proprietary PID controls setting and minimum speed algorithm

#### Materials of Construction

- Built and designed to your specification

#### Application

- Fire Protections

#### Max. Flow

1000 GPM

#### Max. Head

155 PSI

#### Features & Benefits

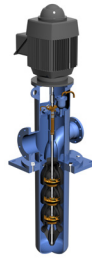
- Fire pump is ULC listed
- Packaged system for easy installation
- UL-FM OS & Y gate valves
- UL-FM butterfly valves
- Spool with by-pass connection
- UL-ULC & FM fire panel

#### Technical Data

- Pump sizes: 2" - 6"

#### Materials of Construction

- Impeller Stainless Steel 304
- Sleeve bronze SAE 660
- Wear Ring Tin Bronze ASTM B584-90500



## Varimax

Irrigation Water Booster Systems

### Application

- Irrigation
- Agriculture
- Golf
- Municipal

### Max. Flow

4000 GPM

### Max. Head

200 PSI

### Features & Benefits

- Custom design per order
- Pre-fabricated irrigation pump systems
- Variflo control panel
- Assembled with American-Marsh Pumps
- Featuring fabricated steel discharge heads
- Standardized VFD check valves
- Engineered reinforced fabricated steel base with integral sole plate
- Pressure relief valve assembly
- Remote SMS via relays
- Secured & encrypted VPN server communication
- Built-in filtration control algorithms

### Technical Data

- Up to 4 pumps in parallel within 3 groups (jockey, booster, & fire flow pumps)

### Materials of Construction

- Polyurethane baked paint coating on all steel components

## VIP Pump

High Capacity Vertical Turbine-in-a-Can Multi-stage In-Line Pump

### Application

- Irrigation
- Commercial
- Municipal
- Mining

### Max Flow

14,200 GPM

### Max Head

300 PSI

### Features & Benefits

- Hi-capacity vertical turbine-in-a-can pump
- Featuring PLAD FTH Fabricated Steel Tee Head
- Hi-efficiency low speed booster pump
- Space saving vertical in-line multi-stage pump design
- VHS or VSS Premium efficiency motors
- Steel, SS304 or SS316 construction
- Packing or mechanical seal configuration

### Technical Data

- Bowl assembly diameter from 6 to 24 inches from American-Marsh Pumps
- Can pump diameter from 10 to 42 inches
- HP rating from 10 to 600 HP

### Materials of Construction

- Pumping well in schedule 40 steel with machined base plate with interior and exterior NSF-61 type baked paint
- Pump Shaft: Polished and ground 416 stainless steel, with 316 stainless steel coupling

## Variflo Smart Gateway

VSD Control Panel

### Application

- Commercial Water Booster
- Golf Course Irrigation
- Agriculture System
- Municipal Water Booster System

### Features & Benefits

- Quadruplex VSD booster control panel
- Equipped with PLAD smart Gateway IOT module
- VPN/VNC ready
- 120 VAC power supply panel for remote hi-voltage drive control
- Variflo Version 7 powerful booster software by PLAD
- VPN secured connectivity via an Ethernet connection or a 4G LTE cellular modem
- VNC HMI remote viewer via the VPN server
- Real time outgoing SMS alarms notifications
- Incoming SMS relays functionalities
- Wi-Fi pump house ready
- 5-year graphical data acquisition
- UPS ready to send SMS power failure notification and power return SMS
- ModBus communication drivers to ABB ACQ/H 550 or 580 drives
- 6-Mode of pump configuration with JP, Booster and Fire flow functionalities
- Profibus, Modbus TCP/IP, EtherNet I/P, BACbet UDP/IP communication protocols





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