

Pioneering for You

**WEIL**  
Pump  
A WILO COMPANY

**Scot**  
Pump  
A WILO COMPANY

**wilo**®

**2019 - North America - 60 Hz.**

**PSI Prolew Inc.**

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## Product Guide

Pumps and systems for HVAC, water supply, drainage and sewage.





# COMING FALL 2019

## STRATOS MAXO

### WILO -STRATOS MAXO, THE WORLD'S FIRST SMART PUMP

The Wilo-Stratos MAXO delivers the easiest solution for increasingly complex market demands. The pumps sets new standards for systems efficiency, convenience and flexibility: the perfect fit for every application, it also ensures optimal efficiency in building complexes thanks to its innovative energy saving functions. Installation and operation are also incredibly easy with the Wilo-Stratos MAXO. Experience the future of pump technology which we are harnessing to make your life easier today.



## **Wilo USA**

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

**8**

## **Scot Pump**

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

**26**

## **Weil Pump**

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

**32**





An aerial photograph of a modern city with white buildings, green spaces, and a road. A yellow circle is positioned on the left side of the image, with a white line extending from it towards the center. The text "DISCOVER WILLO SOLUTIONS." is overlaid in the center of the image.

# DISCOVER WILLO SOLUTIONS.

We offer a wide variety of intelligent pumps and systems to make our users' everyday lives simply more pleasant. Our energy-efficient solutions are suitable for residential, public and commercial properties. Wilo products are used in heating, air-conditioning, cooling and water supply applications as well as for drainage and sewage.



An aerial photograph of a city with a mix of urban buildings, green spaces, and a waterfront area with a port. A yellow dot is placed on a building in the upper right quadrant, with a white line extending from it towards the first text box.

### 1 HEATING, AIR-CONDITIONING, COOLING

Wilo delivers individual solutions and highly efficient technology for applications in heating, air-conditioning, cooling and domestic hot water.

An aerial photograph of a city with a mix of urban buildings, green spaces, and a waterfront area with a port. A yellow dot is placed on a building in the upper right quadrant, with a white line extending from it towards the second text box.

### 2 WATER SUPPLY

Innovative products and systems from Wilo support applications in rainwater utilisation, water supply and pressure boosting, fire fighting and raw water intake.

An aerial photograph of a city with a mix of urban buildings, green spaces, and a waterfront area with a port. A yellow dot is placed on a building in the upper right quadrant, with a white line extending from it towards the third text box.

### 3 DRAINAGE AND SEWAGE

Wilo pumps and lifting units ensure safe and reliable operation in drainage and sewage disposal.







The background of the advertisement is a night sky filled with stars, with the Milky Way galaxy clearly visible as a bright, hazy band of light stretching across the frame. In the lower portion of the image, a highway is shown with a long-exposure light trail of a car, appearing as a series of parallel lines of light that curve along the road. The overall scene is dark, with the light from the stars and the car providing the primary illumination.

# wilo®

Wilo USA LLC is a subsidiary of Wilo SE, headquartered in Dortmund, Germany. Wilo is one of the leading manufacturers of pumps and pump systems for heating, cooling and air-conditioning technology for water supply, sewage and drainage. The company is represented worldwide in over 90 countries by more than 60 subsidiaries, including 21 production sites, and employs more than 7,700 people globally. In 2017 Wilo acquired Scot Pump, Weil Pump and component manufacturer Karak Machine Corporation.





### Get Boosted

Ask us about our newly-designed range of single to four-pump booster systems. With NSF/ANSI 61 certified pumps, touch screen interface, and high-efficiency pump options to handle all your boosting applications. Contact your Regional Sales Manager today for more information!

That's what we call **Pioneering for You**

888-945-6872 | [www.wilo-usa.com](http://www.wilo-usa.com)



Co-Helix



SiBooster



Excel Complete



WeBooster

Pioneering for You

**wilo**®



## Building Services

Pumps and systems for heating, air conditioning, cooling, pressure boosting, water supply and sewage disposal in domestic households, rented accommodation, administrative and commercial buildings.

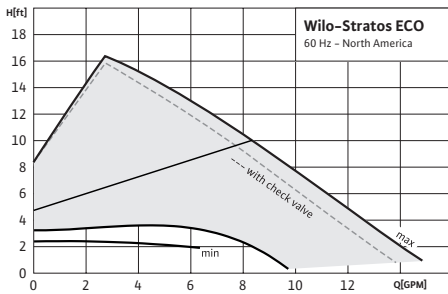






### Wilo-Stratos ECO RFC

High Efficiency Wet Rotor Circulators



#### Application

- Hot Water Heating Systems
- HVAC Applications
- Residential Heating
- Water/Glycol up to 50%
- Solar / Geothermal

#### Max. Flow

14 GPM

#### Max. Head

16 feet

#### Features & Benefits

- Patented 360° Flange rotates to 12/6 or 3/9 o'clock positions (US 8,297,664 B2)
- Installable hi-temp check valve included
- EC motor technology reduces energy consumption by up to 80%
- Automatically adjusts to system demands
- No more over-pumped, noisy zones
- Easy wiring quick connectors

#### Technical Data

- Temp Range: 60°F to 230°F (15°C to 115 °C)
- Amb Temp Range: 14°F to 104°F (-10°C to 40 °C)
- Electrical Connection: 1~115v
- Max Working Pressure: 145 PSI

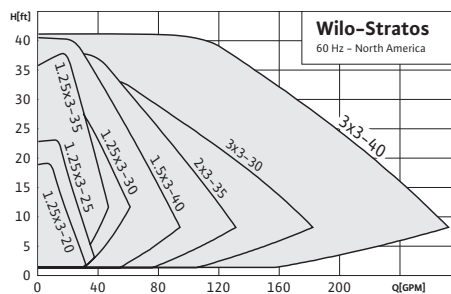
#### Materials of Construction

- Cast Iron Volute
- Cast Iron Rotating Flange
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing



### Wilo-Stratos

High Efficiency Circulators



#### Application

- Hot Water Heating Systems
- Closed Cooling Circuits
- Air Conditioning systems
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

#### Max. Flow

285 GPM

#### Max. Head

43 feet

#### Features & Benefits

- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- 3 times higher starting torque than a standard circulator
- On-board diagnostics and data logger
- Multiple control modules available for integration with building management systems

#### Technical Data

- ΔP-V, ΔP-C, ΔP-T speed control or external signals with IF module.
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~230v (±10%)

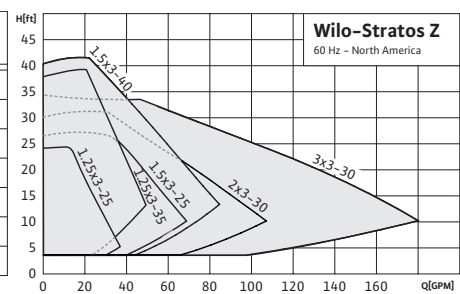
#### Materials of Construction

- Cast Iron, Cathaphoretically Coated Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing



### Wilo-Stratos Z

High Efficiency DHW Circulators



#### Application

- Domestic Hot Water
- Closed Cooling Circuits
- HVAC Systems
- Industrial Circulation
- Solar
- Geothermal

#### Max. Flow

180 GPM

#### Max. Head

43 feet

#### Features & Benefits

- Certified to NSF / ANSI 61
- ECM motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- Interface modules available for external control
- Remote access to on-board data logger with optional USB IR device
- Built-in overload fault contacts

#### Technical Data

- ΔP-V or ΔP-C constant speed control modes standard. ΔP-T available with IR device
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~230v (±10%)

#### Materials of Construction

- Stainless Steel Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing





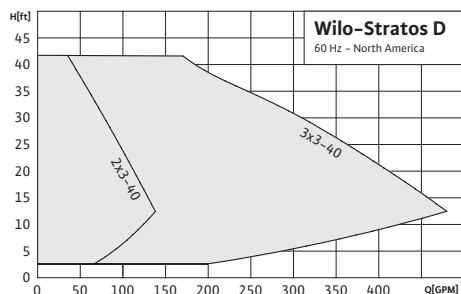
**Wilo-Stratos D**  
High Efficiency Circulators



**Wilo-Stratos GIGA**  
High Efficiency In-line Pumps



**Wilo-Helix EXCEL / EXCEL Complete**  
High Efficiency Multistage Pumps



**Application**

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

**Max. Flow**

480 GPM

**Max. Head**

43 feet

**Features & Benefits**

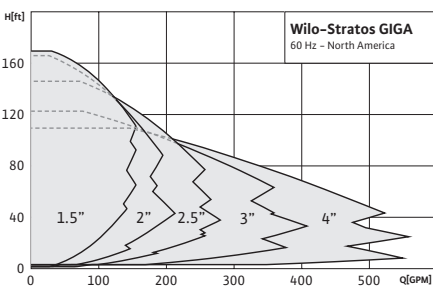
- ECM motor technology reduces energy consumption by up to 80%
- 3x higher starting torque
- Lead/Lag operation with auto 24-hr alternation
- 'Red Button' technology and LED display
- On-board diagnostics and data logger
- 6 different control modules available
- Dual-volute design cuts installation costs by up to 50%
- Optimized peak load operation

**Technical Data**

- ΔP-V, ΔP-C, ΔP-T speed control or external signals with IF module.
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~230v (±10%)

**Materials of Construction**

- Cast Iron, Cataphoretically Coated Volute
- Composite Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing



**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**

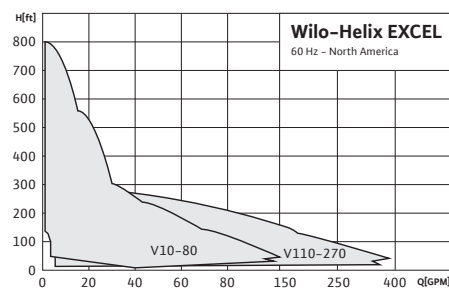
- Highest efficiency motor-drive combination on the market up to 7.5HP
- Compact, Space-saving design
- 'Red Button' technology and LED display
- Various control modes: ΔPV, ΔPC, speed, PID
- Multiple control modules available for integration with building management systems

**Technical Data**

- Temp Range: -4°F to 284°F (-20°C to +140°C)
- Max Amb Temp: 104°F (40°C)
- Max Operating Pressure: 232 PSI
- Electrical Connection: 3~460v
- IP 55 Enclosure

**Materials of Construction**

- Cast Iron, Cataphoretically Coated Volute
- Cast Iron Lantern
- High-Temp, High-Pressure 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**

360 GPM

**Max. Head**

800 feet

**Features & Benefits**

- Certified to NSF 61
- Highest efficiency motor-drive combination on the market
- Cartridge-style seal for easy maintenance
- 'Red Button' technology and LED display
- Capable of accepting various control modes with the purchase of kits: ΔPV, ΔPC, speed, PID
- Optional communication protocol gateways for BACnet, Modbus and Lonworks

**Technical Data**

- Certified to NSF/ANSI 372 & 61
- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Max Amb Temp: 104°F (40°C)
- Max Operating Pressure: 232/363 PSI
- Electrical Connection: 3~460v
- 1¼"-3" NPT connections
- IP 55 Enclosure

**Materials of Construction**

- 304 or 316 stainless steel construction
- Stainless Steel Volute, Impeller & Shaft
- Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical Seal





### Wilo-Star S

3-Speed Wet Rotor Circulators



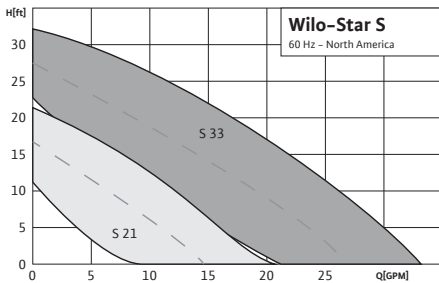
### Wilo-Star

Residential Wet Rotor Circulators



### Wilo-Top S

Commercial 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

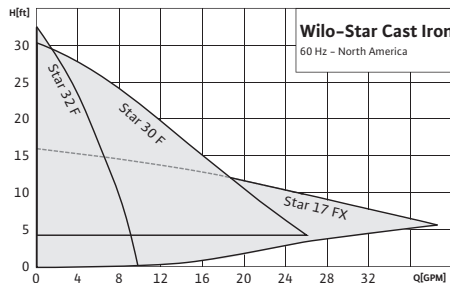
- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet
- Installable hi-temp check (RFC model)
- RFC Patented Rotating Flange: US 8,297,664 B2

#### 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



#### 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

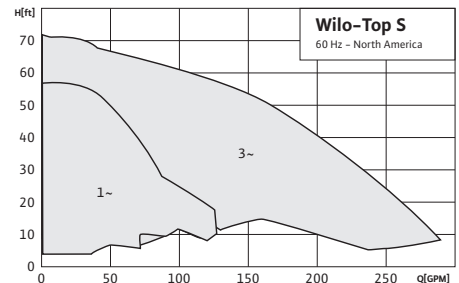
- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet

#### 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



#### 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
- Cathoretically coating 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 Connection: 1~115v, 230v  
3~208-230v, 460v, 575v
- Max Working Pressure: 145 PSI (10 Bar)

#### Materials of Construction

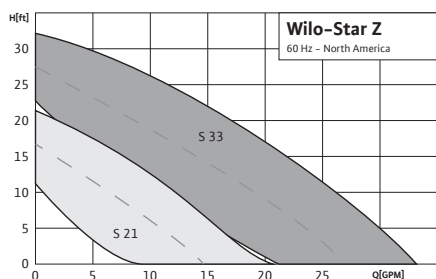
- Cast Iron, Cathoretically Coated Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Impregnated Carbon Bearing
- Class H Insulation





### 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

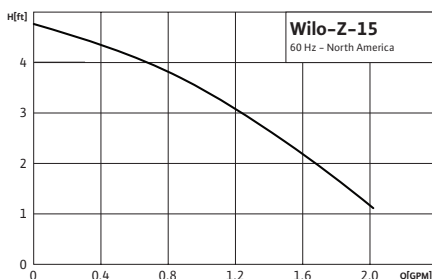
- Max Temp Range: 14°F to 230°F (-10°C to 110°C)
- Max Amb Temp: 104°F (40°C)
- Electrical Connections: 1~115v
- Max Working Pressure: 140 PSI (10 Bar)

#### 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

2 GPM

#### Max. Head

5 feet

#### Features & Benefits

- NSF 61 / Annex G Certified / ANSI 61
- Compact design
- 115v power cord included
- Magnetic drive design
- Jet Connect™ fitting pack included
- Optional digital timer available
- Conserves energy and water
- Safe and quick installation
- Available in ¼" SWT, ½" SWT and ½" NPT

#### Technical Data

- Max Temp Range: 68°F to 150°F (20°C to 65°C)
- Max Amb Temp: 104°F (40°C)
- Max Working Pressure: 145 PSI (10 Bar)

#### Materials of Construction

- NSF/ANSI 61 Certified Brass Volute
- Stainless Steel Shaft
- Engineered Composite Impeller
- Impregnated Carbon Bearing

### Wilo-Z-15 Accessories

JetValve, Digital Timer, DHW Fitting Pack & Aquastat

#### JetValve

- 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" SS flex connectors
- Conserves water

#### Digital Timer

- Weekly digital timer
- Large LCD display
- Conserves energy

#### DHW Fitting Pack

- Package of four (4) connectors to handle all types of piping
- Two (2) ½" SW x FNPT
- Two (2) ¾" SW x FNPT
- Two (2) ¾" SW x ½" SW Reducing Bushings
- Two (2) ¾" Street Hub Copper Unions
- Less than 0.25% Lead content

#### Aquastat

- Clips directly on the ¾" pipe to control your DHW circulator
- 8' Line cord
- Turns on at 98°F (36°C)
- Turns off at 114°F (46°C)





### Wilo Accessories

Flanges and Ball Valves



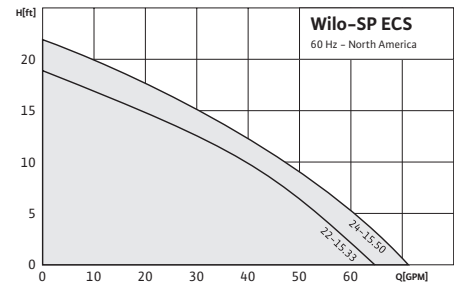
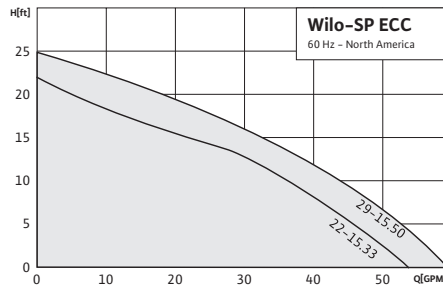
### Wilo-ECC

Submersible Sump Pumps



### Wilo-ECS

Submersible Sump Pumps



#### Cast Iron Flanges

- 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")

#### Application

- Sump & Effluent
- Dewatering
- Drainage

#### Application

- Sump & Effluent
- Dewatering
- Drainage

#### Max. Flow

58 GPM

#### Max. Flow

71 GPM

#### Max. Head

25 feet

#### Max. Head

23 feet

#### Features & Benefits

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

#### Features & Benefits

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

#### 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")

#### Technical Data

- Max Solids Handling: 3/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" NPT Discharge (1 1/4" with adapter)

#### Technical Data

- Max Solids Handling: 1/2"
- Max Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" Discharge (1 1/4" adapter included)

#### 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")

#### Materials of Construction

- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller
- Stainless Steel Bottom-Screened Inlet

#### Materials of Construction

- Cast Iron Volute
- Stainless Steel Motor Housing
- Engineered Composite Impeller





### Wilo-WCC

Sewage/Effluent Pumps



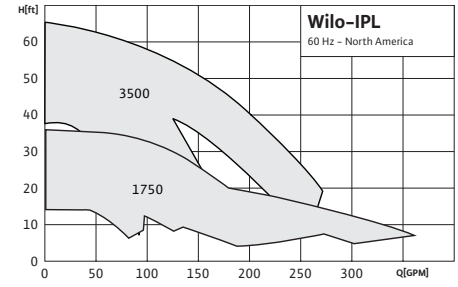
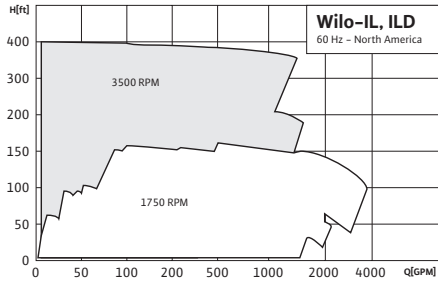
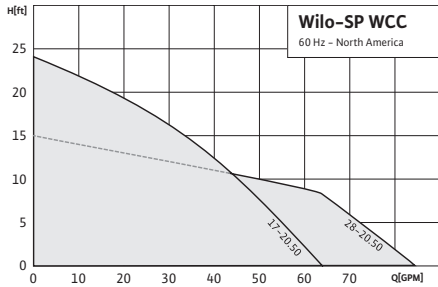
### Wilo-IL, ILD

In-line Centrifugal Pumps



### Wilo-IPL

In-line Pumps



#### Application

- Residential Sewage & Effluent
- Drainage



#### Max. Flow

85 USGPM

#### 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
- CSA certified

#### Technical Data

- Max Solids Handling: 2" (WCC17); ¾" (WCC28)
- Max fluid temperature 130°F (55°C)
- Electrical Connections: 1~115v
- 2" NPT Discharge

#### Materials of Construction

- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller

#### Application

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

#### Max. Flow

3900 GPM

#### Max. Head

400 feet

#### Features & Benefits

- Integrated suction straightening vane on certain models
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Lifting eyes for easy installation
- Sensorless drive models available

#### Technical Data

- TEFC motors standard (ODP available)
- Temp Range: -5°F to 285°F (-20°C to 140°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connection: 1~115v, 230v
- 3~208-230v, 460v, 575v

#### Materials of Construction

- Cast Iron, Cataphoretically Coated Volute
- Trimmable Bronze Impeller
- Stainless Steel Stub Shaft

#### Application

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

#### Max. Flow

410 GPM

#### Max. Head

65 feet

#### Features & Benefits

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

#### Technical Data

- TEFC motors standard (ODP available)
- Temp Range: 15°F to 250°F (-10°C to 120°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connection: 1~115v, 230v
- 3~208-230v, 460v, 575v

#### Materials of Construction

- Cast Iron, Cataphoretically Coated Volute
- Engineered Composite Impeller
- Stainless Steel Stub Shaft
- 2-Part Epoxy Paint



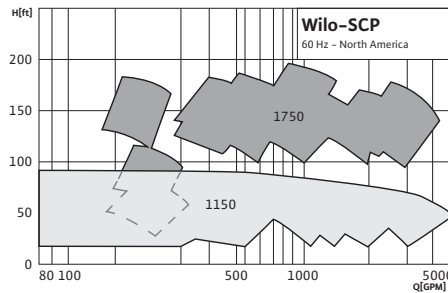
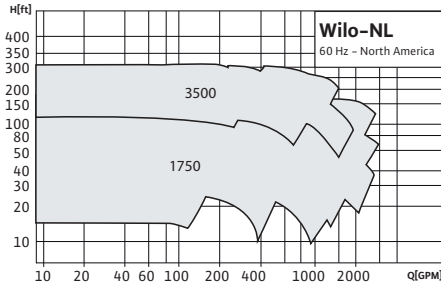


### Wilo-NL

Base Mounted End Suction Pumps

### Wilo-SCP

Split Case Pumps



#### Application

- Heating and Cooling Systems
- Transfer and Pressure Boosting
- Boiler Feed/Condensate
- Irrigation
- Industrial Applications

#### Application

- Heating and Cooling Systems
- Transfer and Pressure Boosting
- Boiler Feed/Condensate
- Municipal Water Supply
- Irrigation
- Industrial Applications

#### Max. Flow

2,500 GPM

#### Max. Flow

5,000 GPM

#### Max. Head

300 feet

#### Max. Head

180 feet

#### Features & Benefits

- Back pullout design allows replacement of bearings and seals without disturbing the piping
- Three bearing bracket sizes for all models
- Confined gasket between cover and casing
- Maintenance-free ZZ bearings
- Improved hydraulics for reduced vibration
- Over 50 models available

#### 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 & groove neck ring design eliminates seizing of rotating assembly
- Pump shaft guards

#### Technical Data

- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Horsepower Range: 1-75HP (3500RPM)  
½-200HP (1750RPM)
- Flange Size Range: 1¼" to 8"
- Max Pressure: 250 PSI

#### Technical Data

- Temp Range: 18°F to 250°F (-8°C to 120°C)
- Available in sizes up to 500HP
- Different material and seal types available

#### Materials of Construction

- Cast Iron Volute
- Bronze Impeller
- Stainless Steel Shaft
- C/SiC/EPDM Mechanical Seal (other seals available upon request)
- NEMA Standard Motors

#### Materials of Construction

- Standard Configuration: Cast Iron Volute, Bronze Impeller, Stainless Steel Shaft, C/SiC/EPDM Mechanical Seal, NEMA Standard Motors



**Wilco-SiBooster EXCEL**

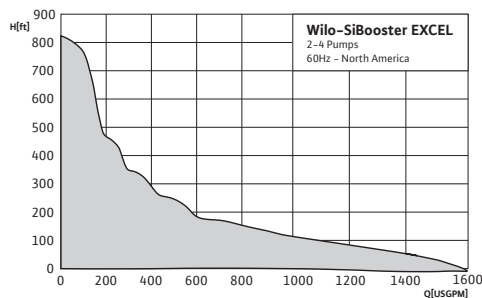
2-4 Pump Pressure Boosting Systems

**Wilco-CO-Helix**

2-4 Pump Pressure Boosting Systems

**Wilco-Helix**

Vertical Multistage Pumps

**Application**

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

**Max. Flow**

1,600 GPM

**Max. Head**

825 feet

**Features & Benefits**

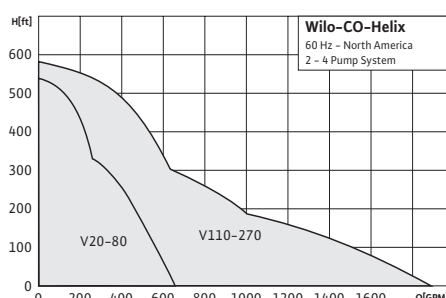
- Includes Helix EXCEL high-efficiency ECM pumps
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard MODbus and optional BACnet and LONworks interface
- ECM control per pump
- Adjustable low pressure cut-out
- Balanced run time for all pumps

**Technical Data**

- Certified to NSF/ANSI 372 & 61
- CC Controller - NEMA 12
- VFD-Controlled Base Load Pump
- 4-20 mA, 1/4" SS Pressure Transducers
- Max System Pressure: 363 PSI
- Fluid Temp Range: 30°F to 200°F (-1°C to 120°C)

**Materials of Construction**

- All 304 Stainless Steel Construction, 316 available
- EPDM/FKM Elastomers
- Mechanical Seal Options
- Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical Seal

**Application**

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

**Max. Flow**

1,900 GPM

**Max. Head**

600 feet

**Features & Benefits**

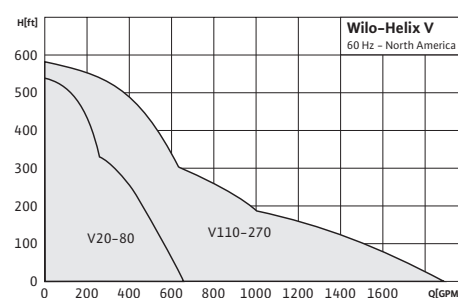
- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard MODbus and optional BACnet and LONworks interface
- Variable speed control per pump
- Adjustable low pressure cut-out
- Balanced run time for all pumps

**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

**Application**

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

**Max. Flow**

1,900 GPM

**Max. Head**

600 feet

**Features & Benefits**

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

**Technical Data**

- NEMA Premium Efficiency Motors
- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Electrical Connections: 3~208-230/460/575V
- Flange Connection: 300-class ANSI
- Pressure Range: 232 PSI or 363 PSI

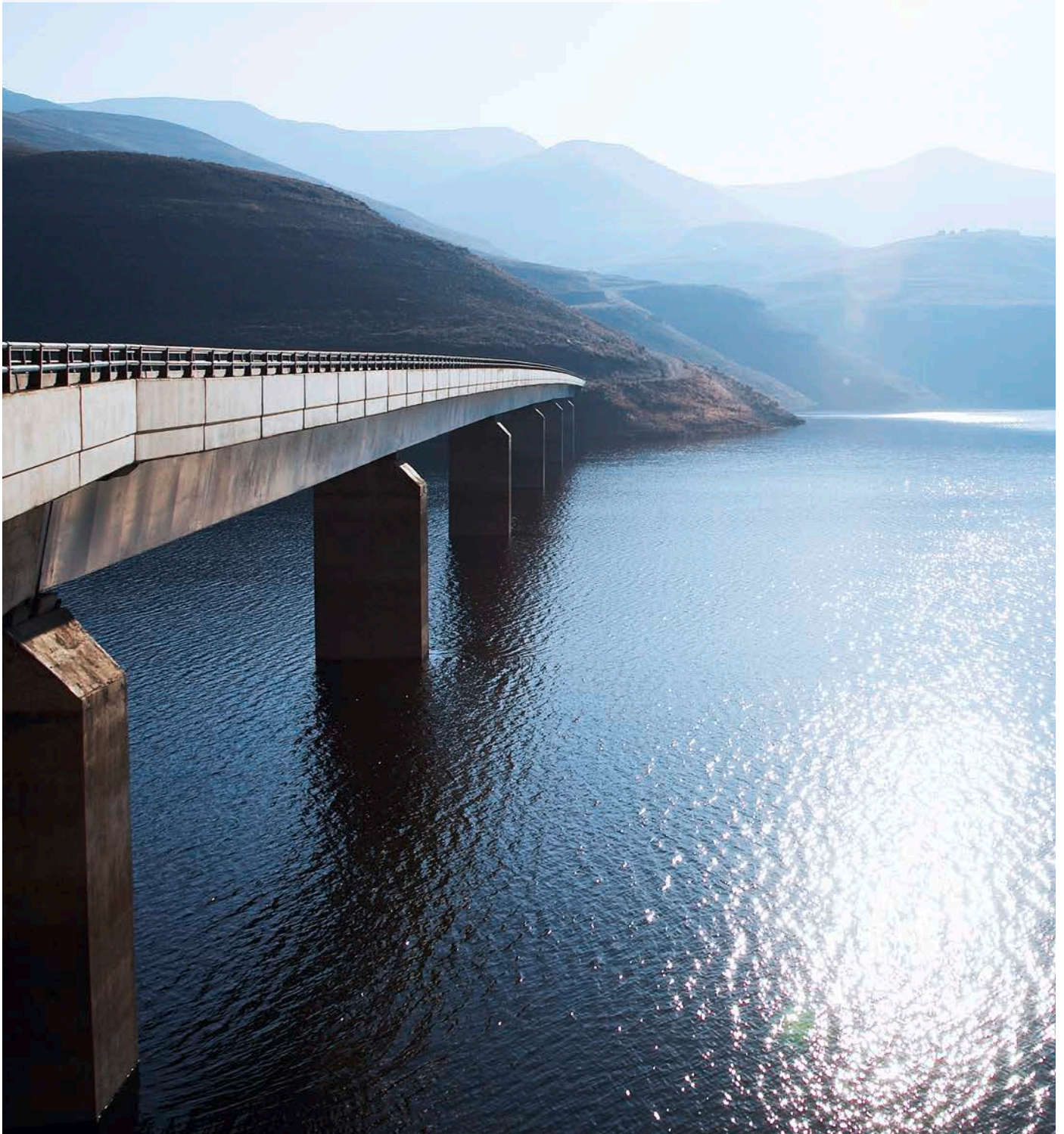
**Materials of Construction**

- 304 Stainless Steel Construction
- Certified to NSF/ANSI 61
- Stainless Steel Volute, Impeller & Shaft
- Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical Seal



## Water Management

Pumps and pump systems for water supply, sewage disposal and sewage treatment in municipal buildings.

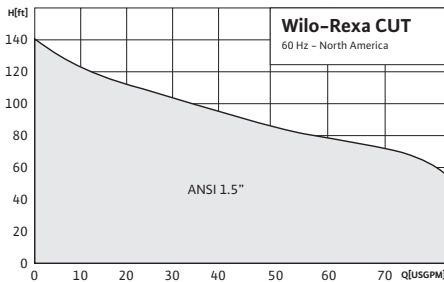






### Wilo-Rexa CUT

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

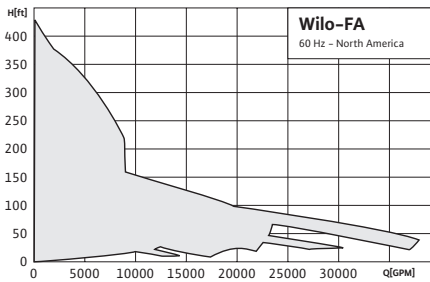
- Power connection: 1~230 V/60 Hz, 3~230 V/60 Hz or 3~460 V/60 Hz
- Submerged operating mode: continuous duty (S1)
- Non-submerged operating mode: rated minutes operation (S2-15 or S3 10%)
- Submerged under pressure (IP 68)
- Insulation class: F
- Max. fluid temperature: 37-104 °F (3-40 °C)

#### Materials of Construction

- Pump housing: ASTM A48 Class 35/40B (EN-GJL-250)
- Impeller: ASTM A48 Class 35/40B (EN-GJL-250)
- Motor housing: Stainless steel AISI 304 (1.4301)
- Seals: SiC/SiC (pump side), C/MgSiO<sub>4</sub> (Motor)

### 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

#### Technical Data

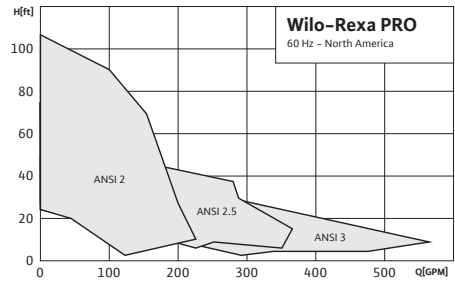
- S1 Operating Mode (continuous duty)
- Protection class: IP 68
- Max Temp: 104 °F (40 °C) (higher temperatures on request)
- Silicon carbide mechanical seals

#### Materials of Construction

- Cast Iron Volute (standard)
- Stainless Steel Standard Shaft
- 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 impeller
- 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: 37-104 °F (3-40 °C)
- Wet pit only
- Solids passage up to 3 in
- Max immersion depth: 66 ft (20m)

#### Materials of Construction

- Heavy-duty cast iron construction (ASTM A48 Class 35/40B)
- SiC/SiC pump seal, C/MgSiO<sub>4</sub> motor seal





## 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

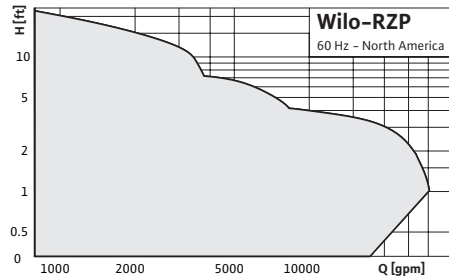
- Wear-resistant materials and coatings
- Corrosion-resistant materials and coatings
- Ceram coatings

### Special Designs

- Mechanical mixing head
- Grinder pumps
- Cast stainless steel
- High chrome cast iron

## Wilo-RZP

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 USGPM

### Max. Head

17 feet

### Features & Benefits

- Submersible, compact installation unit
- Vertical or 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

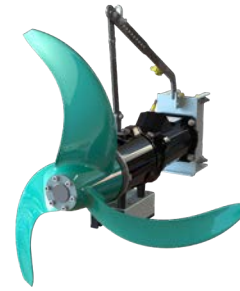
### Technical Data

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

### Materials of Construction

- PUR or Stainless Steel Propeller



**Wilo-TR(E)**

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**

11–74 lbf (45 – 330 N)

**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 (optional)
- PUR or Stainless Steel Propeller
- SiC/SiC Combination Mechanical Seal

**Wilo-TR(E)**

Medium-Speed Submersible Mixers with Direct Drive or 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**

78 – 886 lbf (350 – 3940 N)

**Features & Benefits**

- Stationary installation on walls
- 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**

- Steel, PUR or PUR/GFK 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**

406 – 976 lbf (470 – 4340 N)

**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

**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

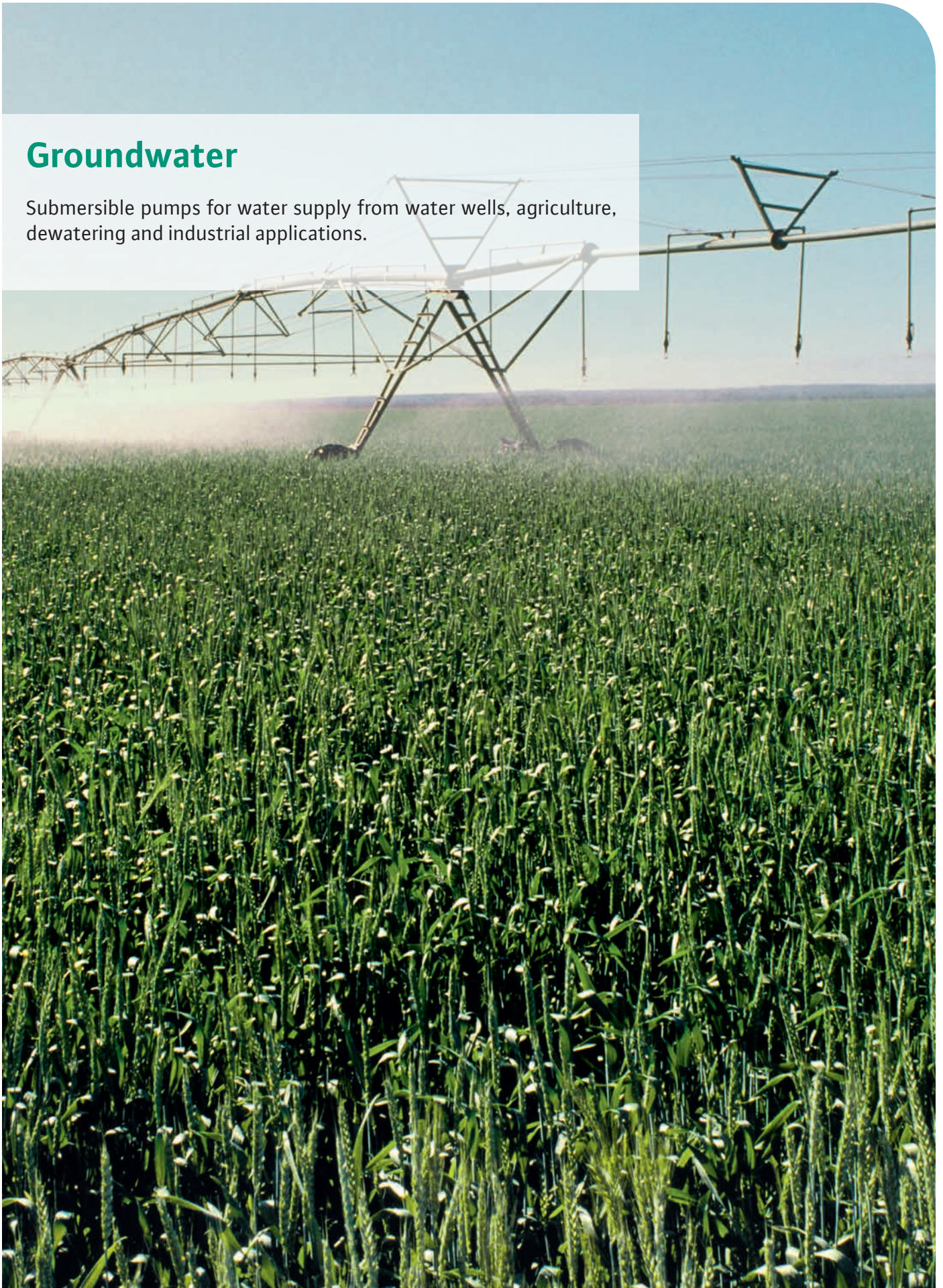
**Materials of Construction**

- GFK Propeller
- Stainless Steel Gear Shaft
- SiC/SiC Combination Mechanical Seal



## Groundwater

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

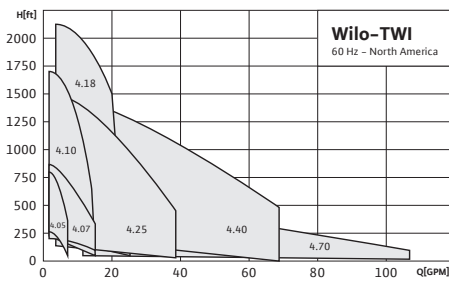






## Wilo-TWI

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
- 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

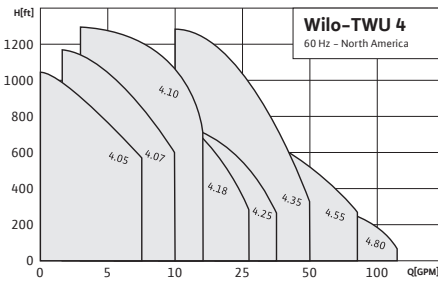
- Electrical Connection: 1~115/230v  
3~230/460/575v
- Temp Range: 37°F to 122°F (3°C to 50°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

### Materials of Construction

- Stainless Steel Construction
- Carbon / Graphite / PTFE Stop Ring
- Stainless Steel / NBR Neck Ring
- NBR Bearing

## Wilo-TWU

4" - 6" 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
- 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

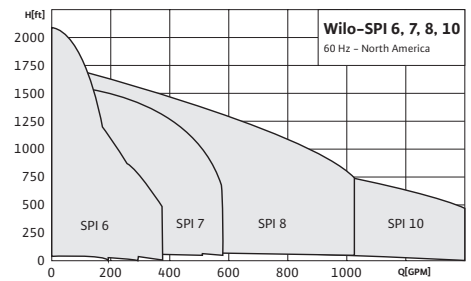
- Electrical Connection: 1~115/230v  
3~230/460/575v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

### 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

- 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 model
- Stainless Steel Construction
- Additional models available on request

### Technical Data

- Electrical Connection: 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

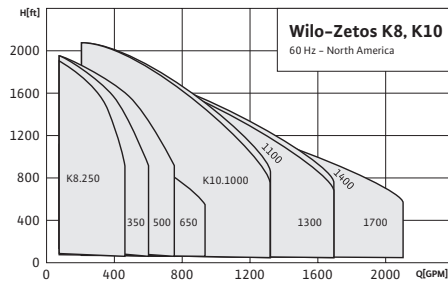


**BEST IN CLASS EFFICIENCIES!**



### Wilo-Zetos K8, K10

Heavy-Duty Cast Stainless Steel Submersible Pumps



#### Application

- Water Supply from boreholes and cisterns
- Process water supply
- Municipal & industrial water supply
- Sprinkling, Irrigation, Geothermal & Offshore
- Pressure boosting
- Dewatering

#### Max. Flow

6,500 GPM

#### Max. Head

990 feet

#### Features & Benefits

- Up to 24" diameters available
- Water pumping with large volume flows
- Trimmable impellers
- Motors with CoolAct™ technology for high power density (from 10" motors on)
- High voltage up to 6000v possible
- Vertical and horizontal installation possible
- Pressure shroud installation option

#### Technical Data

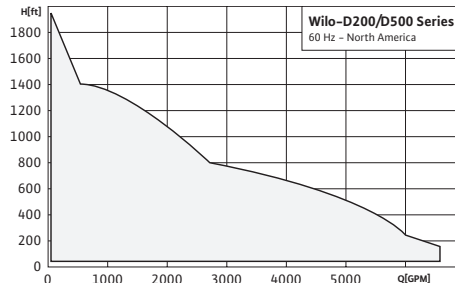
- Immersed Operating Mode: S1
- Max Temp: 122°F (50°C)
- Min Flow at Motor: 0.33...1.64 f/s
- Max Immersion Depth: 100 or 300/350 %
- Protection Class: IP 68

#### Materials of Construction

- Ceram Coating available for increased durability
- Corrosion-Resistant Impellers
- Wear-Resistant GI Bushing (depending on type)
- Special Materials Available

### Wilo-D200/D500 Series

Borehole Pumps



#### Application

- Water Supply from boreholes and cisterns
- Process water supply
- Municipal & industrial water supply
- Sprinkling, Irrigation, Geothermal & Offshore
- Pressure boosting
- Dewatering

#### Max. Flow

6,500 GPM

#### Max. Head

1,950 feet

#### Features & Benefits

- Up to 24" diameters available
- Water pumping with large volume flows
- Trimmable impellers
- Motors with CoolAct™ technology for high power density (from 10" motors on)
- High voltage up to 6000v possible
- Vertical and horizontal installation possible
- Pressure shroud installation option

#### Technical Data

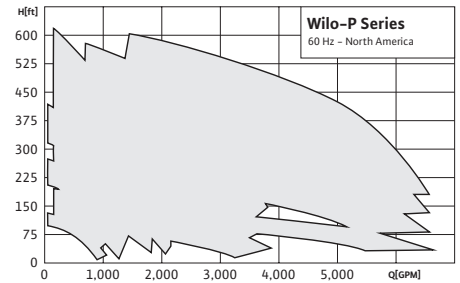
- Immersed Operating Mode: S1
- Max Temp: 122°F (50°C)
- Min Flow at Motor: 0.33...1.64 f/s
- Max Immersion Depth: 100 or 300/350 %
- Protection Class: IP 68

#### Materials of Construction

- Ceram Coating available for increased durability
- Corrosion-Resistant Impellers
- Wear-Resistant GI Bushing (depending on type)
- Special Materials Available

### Wilo-P Series

Bottom Intake Pumps



#### Application

- Potable and Process Water from tanks or shallow areas
- Municipal and Industrial Water Supply
- Sprinkling and Irrigation
- Dewatering
- Geothermal Energy & Offshore

#### Max. Flow

6,600 USGPM

#### Max. Head

620 feet

#### Features & Benefits

- Self-cooling
- Compact design
- Rewindable motors
- Trimmable Impellers
- Hydraulics and motor configurable according to power requirements

#### Technical Data

- Max Temp: 68°F (20°C)
- Max Immersion Depth: 984 ft
- Protection Class: IP 68

#### Materials of Construction

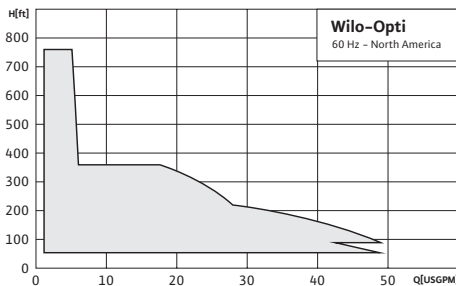
- Stainless Steel pump shaft
- Ceram Coating available for increased durability





## Wilo Quick Solar, Opti Solar

4" Solar Pumps



### Application

- Raw Water intake
- Irrigation

### Max. Flow

48 GPM

### Max. Head

750 feet

### Features & Benefits

- Integrated inverter
- Sophisticated dynamic MPPT algorithm
- Integrated protection features
- Integrated water level sensor
- External control module (optional)
- AC power cable input
- Remote monitoring and operation

### Technical Data

- Operating voltage: 90–340 VDC /
- 90–265 VAC

## Wilo Submersible Motors

3–10" Motors

### 4" Standard Submersible Motors

- Certified to NSF / ANSI 61
- Stainless steel for Maximum corrosion resistance
- Coal Bed Methane Series available for aggressive applications
- 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"-16" NU Rewindable Submersible Motors

- Rewindable motor stator
- Voltages up to 6000v
- Hi-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

## Wilo Submersible Accessories

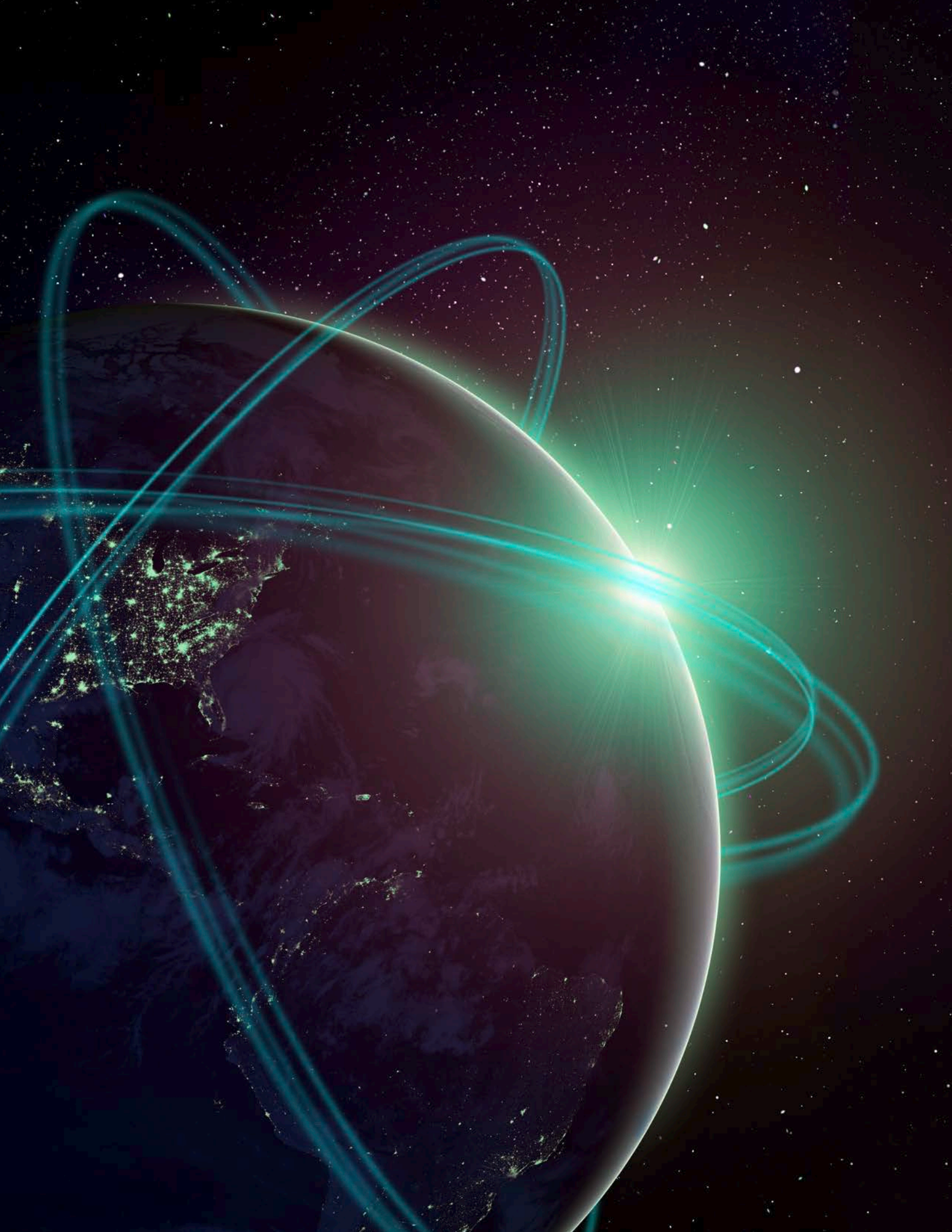
Control Boxes, Variable Frequency Drives, Pump Panels

### 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





# Scot Pump

*A WILO COMPANY*

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 some of the America's finest automated foundries, where quality castings and gray iron, bronze, stainless steel and aluminum are readily available.

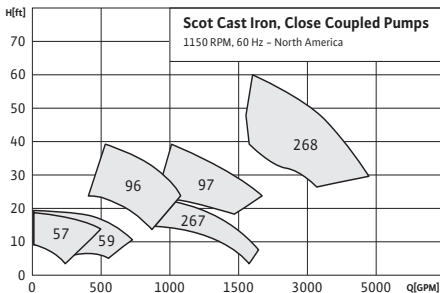
Scot has a distributor network around North America which supports aftermarket and replacement demands by stocking most of the common parts and pumps they offer. Scot's commitment to quality and dedication to short lead times has cultivated a reputation of reliability and outstanding customer service.

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.



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

Models: 57, 59, 96, 97, 267 and 268



#### Application

- Water Features
- Water Parks

#### Max. Flow

4,500 GPM

#### Max. Head

60 feet

#### Features & Benefits

- Up to 50 HP and 10" Discharge
- Heavy Duty Construction
- Close Coupled-Back Pullout Design
- Mechanical Seal

#### Technical Data

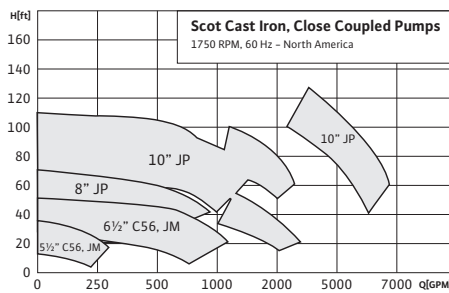
- NEMA 60HZ JM, JP, JPZ Frame
- ODP, TEFC, Enclosures
- 6½" – 13" Max Impeller
- Temp range 0°F to 250°F
- Max working pressure 175 PSI

#### 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

6,500 GPM

#### Max. Head

150 feet

#### Features & Benefits

- Up to 150 HP and 10" Discharge
- Heavy Duty Construction
- Close Coupled – Back Pullout Design
- Mechanical Seal

#### Technical Data

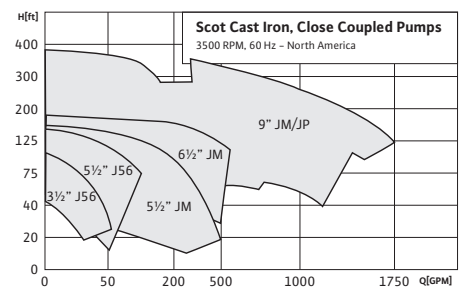
- NEMA 60HZ C56, JM, JP, JPZ Frames
- ODP, TEFC, Explosion Proof Enclosures
- 5½" – 13" Max Impeller
- Temp range 0°F to 250°F
- Max working pressure 175 PSI

#### 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, 5½" JM, 6½" JM, 9" JM, 9" 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 Pullout 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

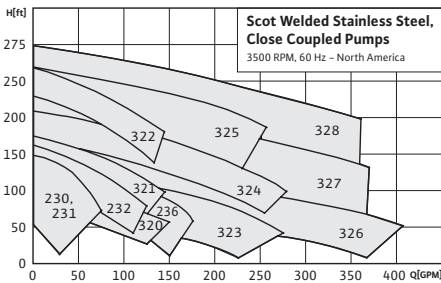
- NPT and ANSI Flange Connections
- Standard Fitted
- Bronze Fitted
- All Iron
- Buna Carbon Ceramic Seal standard
- EPDM, Viton & Silicon Carbide available





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

Models: Models: 230–236, 320–328



#### Application

- Booster Systems
- Chillers
- Plastic Injection Molding
- Process Cooling Water
- Dishwashing Equipment
- Induction Heating / Cooling
- 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 Pullout Design
- Centerline Discharge
- Mechanical Seal

#### Technical Data

- NEMA 60HZ J56, JM, TC Frames
- ODP, TEFC, Explosion Proof Enclosures
- 4.50" – 8.00" Max Impeller
- Temp range 0F to 225F
- Max working pressure 175 PSI

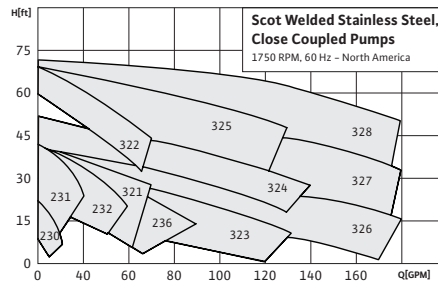
#### Materials of Construction

- 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



### Welded Stainless Steel, Close Coupled Pumps, 1750 RPM

Models: 230–236, 320–328



#### Application

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

#### Max. Flow

210 GPM

#### Max. Head

67 feet

#### Features & Benefits

- NSF/ANSI 61 & 372 certified
- Up to 5 HP and 2" Discharge
- Cast Iron Adapter supports seal and prevents flexing of Pump
- Close Coupled–Back Pullout Design
- Centerline Discharge
- Mechanical Seal

#### Technical Data

- NEMA 60HZ J56, JM, TC Frames
- ODP, TEFC, Explosion Proof Enclosures
- 4.50" – 8.00" Max Impeller
- Temp range 0F to 225F
- Max working pressure 175 PSI

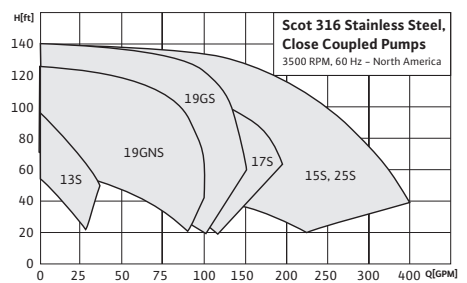
#### Materials of Construction

- NPT and Flange Connections
- 304 Stainless Steel Casing, Impeller and Seal Plate. Cast Iron Adapter
- Buna Carbon Ceramic Seal is standard
- EPDM, Viton & Silicon Carbide available



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

Models: 13S, 19GNS, 19GS, 17S, 15S, 25S



#### Application

- Chiller
- Dishwashers
- Washing Equipment
- Process Cooling Water

#### Max. Flow

400 GPM

#### Max. Head

140 feet

#### Features & Benefits

- Up to 15 HP and 3" Discharge
- Heavy Duty Construction
- Close Coupled–Back Pullout Design
- Mechanical Seal, Type 21 Standard, Type 9 available

#### Technical Data

- NEMA 60HZ C56, TC Frames
- ODP, TEFC, Explosion Proof Enclosures
- 4.75" – 5.63" Max Impeller
- Temp range 0F to 250F
- Max working pressure 175 PSI

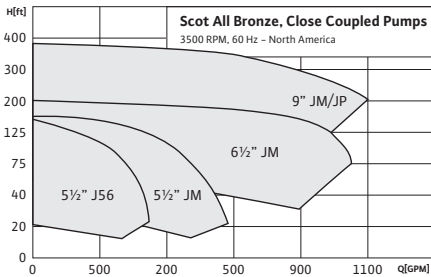
#### Materials of Construction

- NPT Connections
- 316 Stainless Steel wetted components
- Viton Silicon Carbide Seal is standard
- Type 9 Teflon Silicon Carbide available



### All Bronze, Close Coupled Pumps 3500 RPM

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



#### Application

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

#### Max. Flow

1,100 GPM

#### Max. Head

375 feet

#### Features & Benefits

- Up to 100 HP and 4" Discharge
- Heavy Duty Construction
- Close Coupled-Back Pullout Design
- Mechanical Seal

#### Technical Data

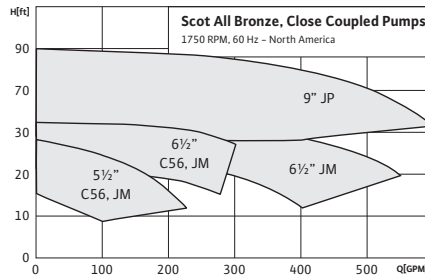
- NEMA 60HZ J56, JM, JP Frames
- ODP, TEFC, Explosion Proof Enclosures
- 5.00" – 9.00" Max Impeller
- Temp range 0F to 250F
- Max working pressure 175 PSI

#### 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" J56, 5" JM, 6" JM and 9" JM/JP



#### Application

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

#### Max. Flow

650 GPM

#### Max. Head

95 feet

#### Features & Benefits

- Up to 20 HP and 4" Discharge
- Heavy Duty Construction
- Close Coupled-Back Pullout Design
- Mechanical Seal

#### Technical Data

- NEMA 60HZ J56, JM, JP Frames
- ODP, TEFC, Explosion Proof Enclosures
- 5.50" – 9.00" Max Impeller
- Temp range 0F to 250F
- 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 -30F to 400F

#### Materials of Construction

- NPT and Flange Connections
- Standard Fitted
- Bronze Fitted
- All Bronze
- All Iron
- Cast 316SS





### Marine Straight Centrifugal Pumps

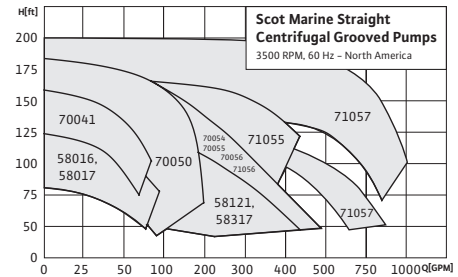
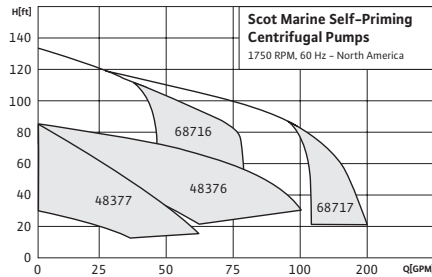
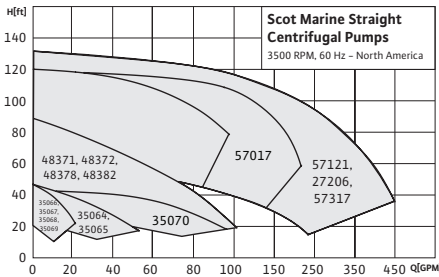
35000, 48000 and 57000 Series

### Marine Self-Priming Centrifugal Pumps

48000 and 68000 Series

### Marine Straight Centrifugal Grooved Pumps

58000, 7000, 71000 and 72000 Series



#### Application

- Air Conditioning
- Refrigeration
- Cooling Water Circulation

#### Application

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

#### Application

- Air Conditioning
- Refrigeration
- Chilled Water Circulation

#### Max. Flow

400 GPM

#### Max. Flow

200 GPM

#### Max. Flow

1,000 GPM

#### Max. Head

130 feet

#### Max. Head

100 feet

#### Max. Head

200 feet

#### Features & Benefits

- Heavy Duty Cast Construction
- Close Coupled-Back Pullout Design
- Enclosed & Semi-Open Impeller
- Continuous Duty Motor

#### Features & Benefits

- Heavy Duty Cast Construction
- NEMA 60HZ C56, JM Frames
- Close Coupled-Back Pullout Design
- Enclosed & Semi-Open Impeller
- Self-Priming up to 20' lift

#### Features & Benefits

- Heavy-Duty Cast Construction
- Close Coupled-Back Pullout Design
- High Efficiency Enclosed Impeller
- NEMA 60Hz JM Frames

#### Technical Data

- NEMA 60HZ J56, C56, JM Frames
- TEFC Motor is Standard
- NPT Connections

#### Technical Data

- NPT Connections
- TEFC Motor is Standard

#### Technical Data

- Pump Suction and Discharge are Grooved
- NEMA 60HZ JM Frame
- NPT, ANSI & Navy Flange Connections are available
- TEFC Motor Standard

#### Materials of Construction

- Marine Bronze Case, Impeller and Adapter

#### Materials of Construction

- Marine Bronze Case, Impeller and Adapter

#### Materials of Construction

- Marine Bronze Case, Impeller and Adapter

# WEIL

## Pump

*A WILO COMPANY*

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. All castings are poured in the United States, and all parts are machined and assembled in Weil's manufacturing facility in Cedarburg, Wisconsin. 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.



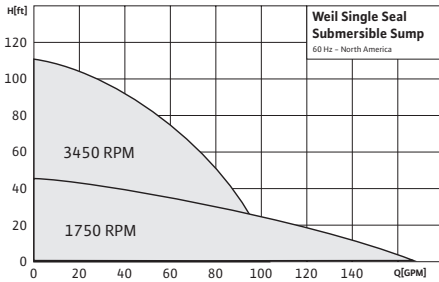






## Single Seal Submersible Sump Pumps

Series 1400



### Application

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

### Max. Flow

105 GPM

### Max. Head

165 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 180F operation
- Copper Motor windings
- ½ to 2 HP
- 1 & 3 phase, 115/208–230/460 Volts

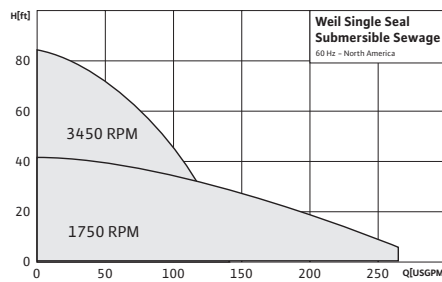
### Materials of Construction

- Cast Iron – Standard
- Optional Bronze or 316SS Impellers
- Optional 316SS cases
- SOOW Cable
- Buna/Viton Seals and O-rings



## 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

85 GPM

### Max. Head

260 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

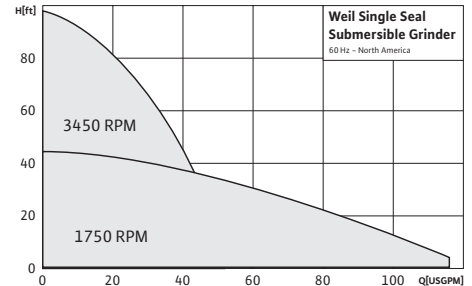
### Materials of Construction

- Cast Iron motor and pump housings
- Optional bronze and 316SS Impellers and 316SS cases
- Buna/Viton Seals and O-rings
- Stainless Hardware



## 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

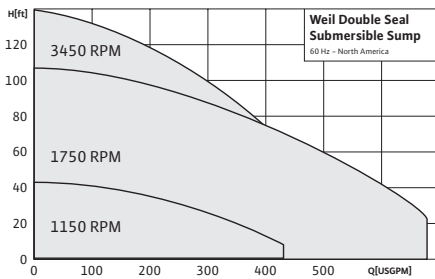
- Cast Iron motor and pump housings
- Optional bronze and 316SS Impellers and 316SS cases
- Buna/Viton Seals and O-rings





## 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

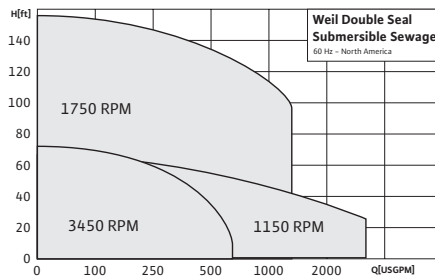
- Class F Insulation
- Thick gauge copper windings
- Double sealed ball bearings
- SOOW power and sensor cable
- 1/2 to 15 HP
- 1 & 3 phase 115/208–230/460/575 Volts

### Materials of Construction

- Cast Iron motor and pump housings
- Optional bronze and 316SS Impellers and 316SS cases
- Buna/Viton Seals and O-rings
- Stainless Hardware

## 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

2500 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

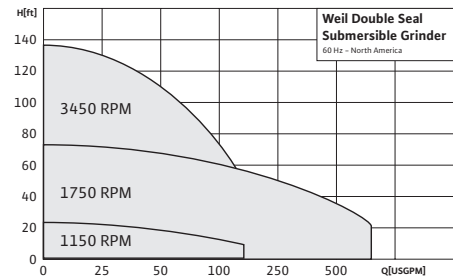
- Class F Insulation
- Thick gauge copper windings
- Double sealed ball bearings
- SOOW power and sensor cable
- 1/2 to 50 HP – 50–60hz
- 1 and 3 phase 115/208–230/460/575 Volt
- 1150/1750/3500 RPM

### Materials of Construction

- Cast Iron motor and pump housings
- Optional bronze and 316SS Impellers and 316SS cases
- Buna/Viton Seals and O-rings
- Stainless Hardware

## 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

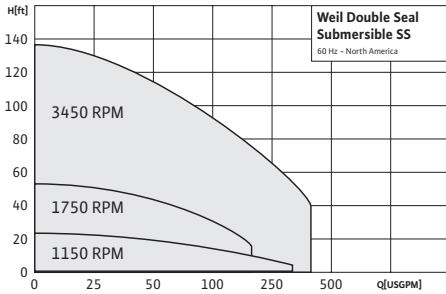
### Materials of Construction

- Cast Iron motor and pump housings
- Optional bronze and 316SS Impellers and 316SS cases
- Buna/Viton Seals and O-rings



### Double Seal Submersible Stainless Pumps

Series 1600S, 2500S



#### Application

- Leachate drainage, brackish water, hospital sumps, laboratory waste, chemical process/waste

#### Max. Flow

425 GPM

#### Max. Head

135 feet

#### Features & Benefits

- Quick remove or floor mount 316SS sump, sewage, grinder pumps 1.25-3" discharge
- 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

- ½ – 6 HP – 50/60 hz
- 1 & 3 phase 115/208-230/460/575 Volt
- 1150, 1750, 3500 RPM
- Viton Seals and O-rings
- STOOW Chemical Resistant Cable

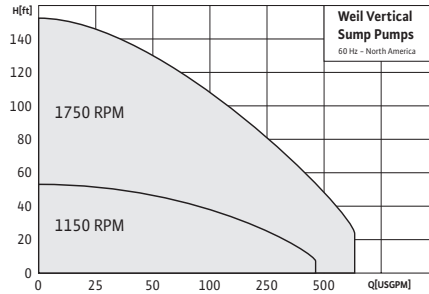
#### Materials of Construction

- All 316 Stainless Steel Castings for pump and motor housings



### 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

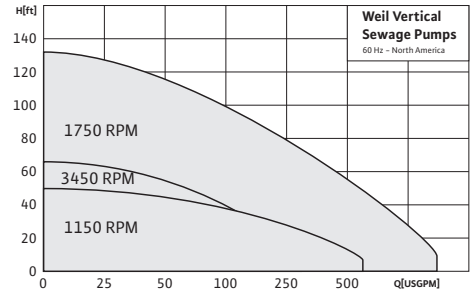
#### Materials of Construction

- 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



### 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

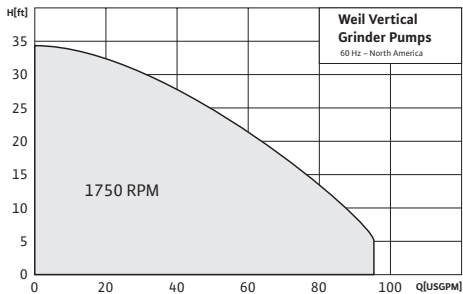
- Cast Iron pump and bearing housings
- Optional bronze impeller
- Bronze sleeve bearings –grease lubricated
- Double sealed ball thrust bearing
- Galvanized column legs, pipe, and floor plate





## 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

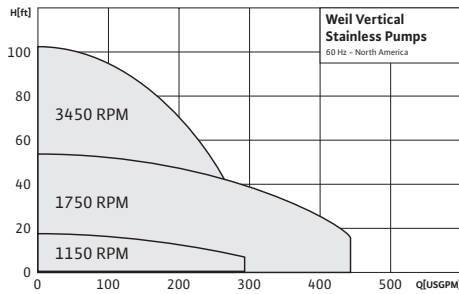
- ½-5HP 60/60hz
- 1 & 3 phase 115-208-230/460/575 Volt
- 1750-3500RPM

### 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

## Vertical Stainless Pumps

Series 1200S, 1300S, 2100S



### Application

- Leachate Drainage, brackish water, hospital sumps, laboratory waste, chemical process/waste

### Max. Flow

425 GPM

### Max. Head

110 feet

### Features & Benefits

- Column Style 316SS Sump/Sewage/Grinder pumps in 1.25-3" discharge
- Heavy duty grade 316SS cast components to withstand wet and corrosive environments
- NEMA C Face TEFC motor

### Technical Data

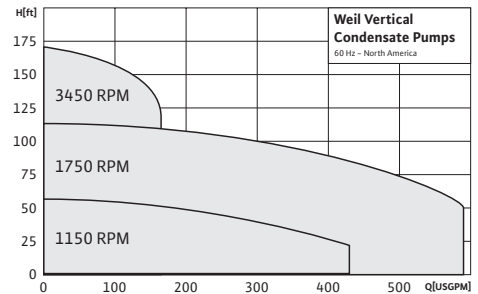
- ½-6HP 50-60hz
- 1 & 3 phase 115/208-230/460/575 Volts
- 1150, 1750, 3500 RPM

### Materials of Construction

- 316SS cast pump and bearing housings
- Graphite sleeve bearings
- 316SS column legs and discharge pipe
- Galvanized floor plates

## 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

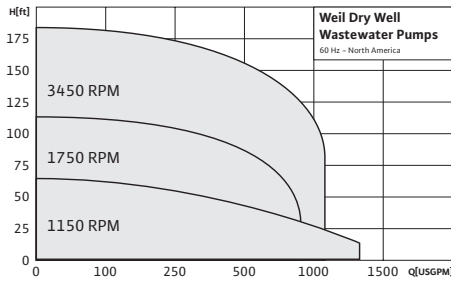
### Materials of Construction

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



### 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 pullout design, horizontal or vertical mount, sump sewage and grinder models

#### Technical Data

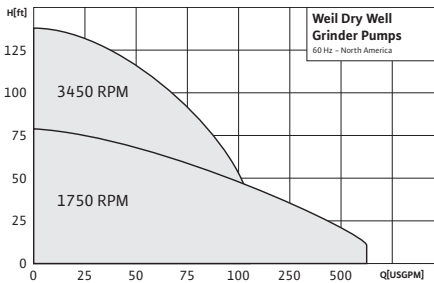
- NEMA JM frame TEFC motor
- ANSI flange and NPT connections
- 2-4" discharge
- ¾-10HP 50/60hz
- 1 & 3 phase, 115-208-230/460/575 Volt
- Type 21 mechanical seal

#### Materials of Construction

- Cast iron pump construction
- Bronze and stainless steel options
- Bronze or SS 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 pullout 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 SS shaft sleeve
- Buna mechanical seal and o-rings
- 440C Stainless Steel Grinder/Cutter components

### Pump Accessories

Series 2600

#### Application

- Sump and sewage pit, fiberglass basins, concrete vault

#### Max. Flow

120 GPM

#### Max. Head

120 feet

#### 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

160 GPM

### Max. Head

2,000 feet

### 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

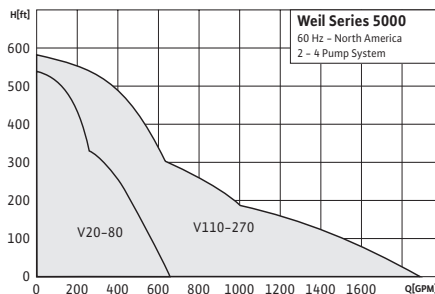
- Through sidewall bolted plates for discharge and electrical cables
- Oversized anti-float plate

### Materials of Construction

- Fiberglass basin
- Galvanized piping
- Cast iron valve assembly
- Aluminum or steel cover

## Booster Systems

Series 5000 – Vertical Multistage & Horizontal End Suction.



### Application

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

### Max. Flow

2,100 USGPM

### Max. Head

600 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 and LONworks interface
- Variable speed control per pump
- Adjustable low pressure cut-out
- Balanced run time for all pumps

### Technical Data

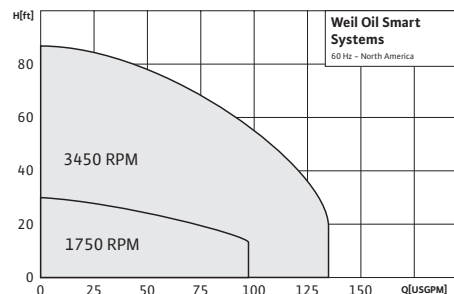
- Certified to NSF/ANSI 372 & 61
- Temp Range 4°F to 248°F (-15°C to 120°C)
- Electrical Connections: 3~208-230/460/575v
- Rated Pressure: 232 PSI or 363 PSI
- Flange Connection: 300 class ANSI
- TEFC motors standard

### 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

### Max. Flow

130 USGPM

### Max. Head

87 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

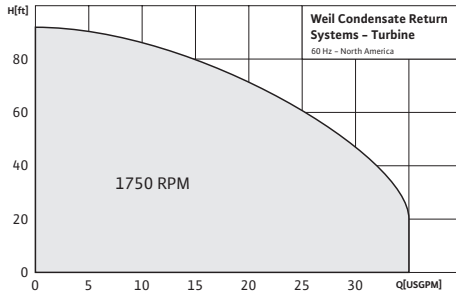
### Materials of Construction

- Cast iron pump
- Type 4 plastic control box
- SOOW Cables



### Weil 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

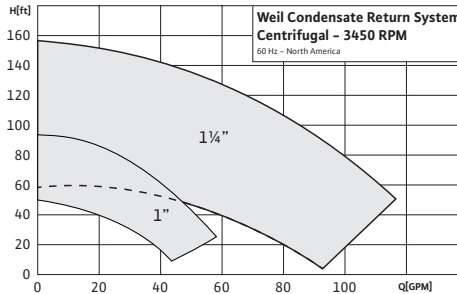
- 1 & 3 phase 50/60 hz
- 115/208–230/460/575 volt
- 1750 RPM

#### Materials of Construction

- Steel receiver
- Cast iron pumps/bronze option
- Stainless steel float

### Weil Condensate Return Systems – Centrifugal Pumps

Series 4200



#### Application

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

#### Max. Flow

115 GPM

#### Max. Head

150 feet

#### 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

#### Materials of Construction

- Steel receiver
- Cast iron pumps
- Stainless steel float

### Weil Control Panels – PLC

Series 8100

#### Application

- 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 applications.

**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

**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 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

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10-A-001-0519

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