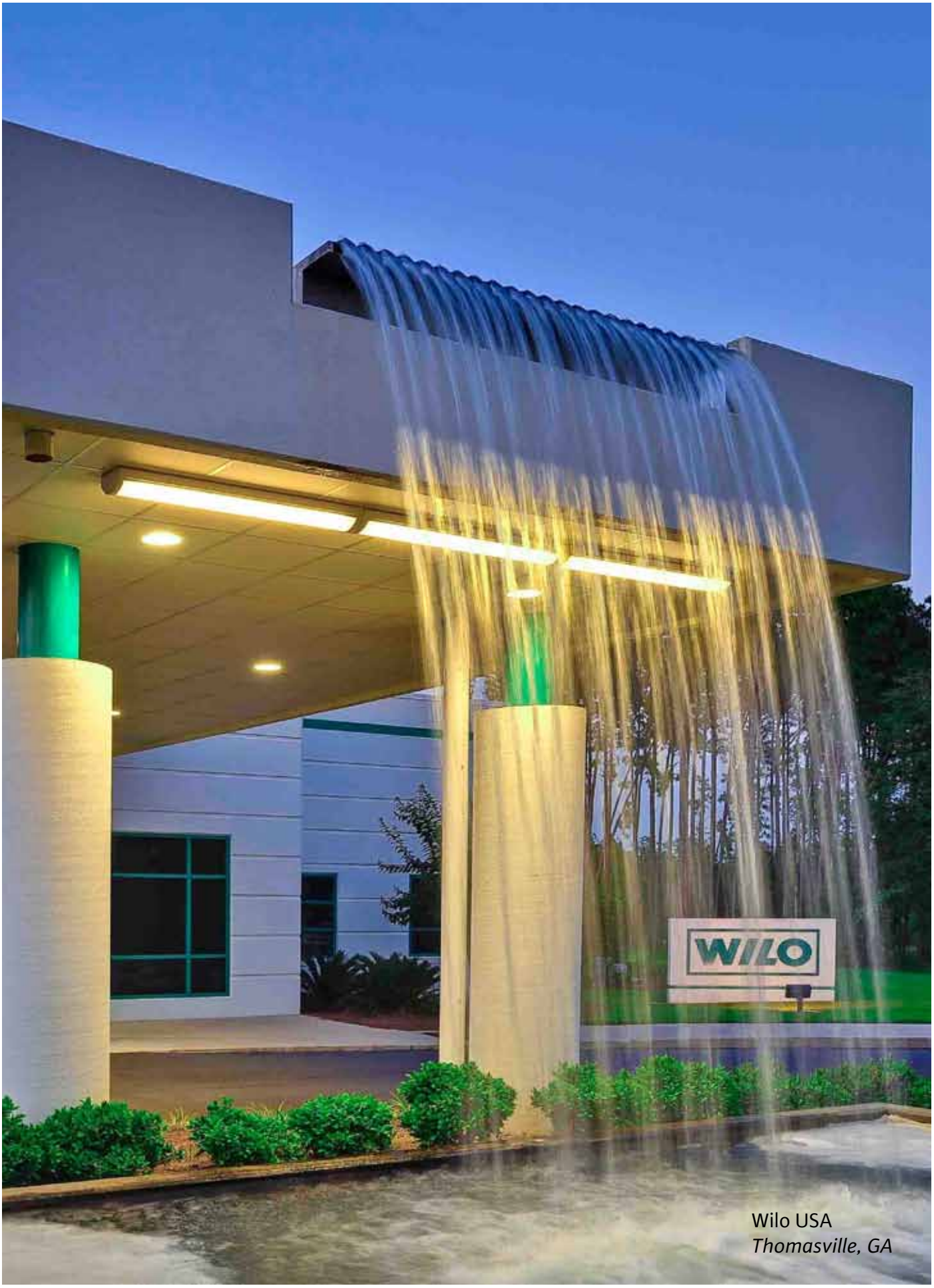
wilo®

Wilo USA Product Catalog

Pumps and Systems for Building Services, Water Management and Groundwater.

2013

WILO USA LLC
20-43-002-0113



Wilo USA
Thomasville, GA

Contents

Shaping the future. For you.

A new logo.
A fresh look.
A strong promise.

This year we will not only extend our range of pioneering product innovations, but we will also unveil a new appearance. The first indication is the further development of our logo. Over the next few months, you will also encounter a fresh look and a brand new Wilo claim:
“Pioneering for You”.

Why have we done this?

Simply put, because we have changed. Over the past few years, Wilo has become a larger, more dynamic and international company. We continue to stand for the most innovative pumps and pump systems. We offer our customers extensive services and solutions which simplify their lives each and every day. We are passionate about our pioneering technology and unmatched quality. In all our efforts, however, the basis is simply a focus on one thing: People.

Our new look is the most visual sign of this change and our motivation to always get better. Getting better requires that we understand the needs of our customers, and fulfill them with more efficient, sustainable, and tailor-made solutions.

Let us know how our words can become actions. What do you expect from Wilo? How can we better deliver on our promise? Solutions created with you, for you, through our dedicated efforts.

Oliver Hermes
Chairman of the Executive Board
Wilo SE

Energy Solutions Division

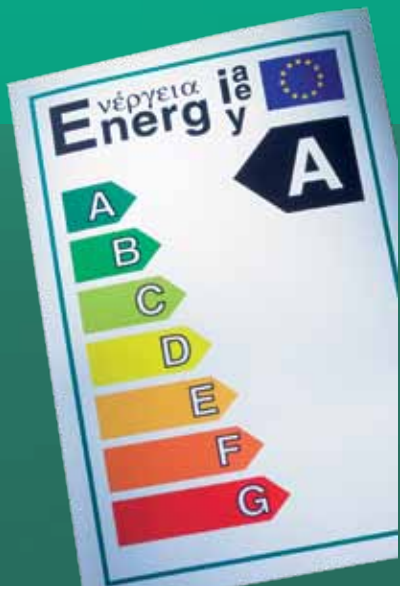
wilo®

ESD

The Energy Solutions Division at Wilo USA is dedicated to finding energy-efficient solutions for our customers and our business partners. Under our Customer First Initiative (WC1i), we focus on providing customized services to our clients based upon their unique needs, while always striving to put their best interests first. Whatever your needs, the Energy Solutions Division will work closely with you to find energy-efficient pumping solutions that make sense.

Products & Services:

- Can provide a complete turnkey pumping solution
- Product selection & application review
- Data logging, energy consumption analysis, ROI analysis, LCC assessment
- Utility rebate review, coordination, submission, & collection
- Installation & commissioning
- Service contracts & extended warranties (can be bundled and customized)
- Remote Monitoring
- And of course, high-efficiency pumps and pump systems



For more information on ESD, please contact Steve at:
steve.maney@wilo-usa.com

Worldwide.
High-efficiency solutions from Wilo.

WILO SE, with headquarters in Dortmund, is one of the world's leading manufacturers of pumps and pump systems for heating, air conditioning and cooling technology, as well as for water supplies, sewage treatment and disposal. Founded in 1872, as a manufacturer of copper and brass goods, Wilo currently has over 60 branches worldwide and over 6,700 employees.

International recognition has increased rapidly since the company became a European limited liability company (SE) in 2008. In 2011, turnover amounted to $1.45B USD. Wilo pumps and systems set global standards for efficiency and technical performance with high-efficiency solutions for all applications.

Wilo patented the world's first circulation accelerator in 1928.

Maritim Hotel
Hannover, Germany

Up to 93% energy savings. 90 pumps were installed.

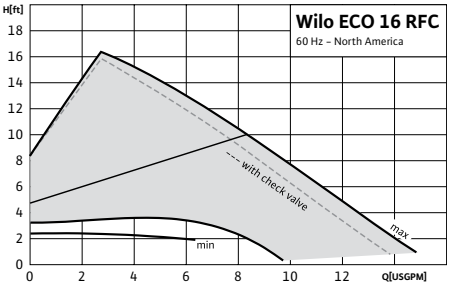
There are 83 high-efficiency pumps for heating, air-conditioning, and cooling in operation. The amortization by switching to high efficiency pumps needed proof in a very short time. For this purpose extensive measurements took place. The first results are very impressive.

Wilo Stratos GIGA

Product Overview.
Building Services.

High Efficiency Circulators

Wilo Stratos ECO RFC
High Efficiency Wet Rotor Circulators



Application

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

Max. Flow
14 USGPM

Max. Head
16 feet

Features and Benefits

- Patent-pending 360° Flange rotates to 12/6 or 3/9 o'clock positions
- Installable hi-temp check valve included
- ECM motor technology reduces energy consumption by up to 80%
- Automatically adjusts to system demands
- No more over-pumped, noisy zones
- Easy wiring quick connectors

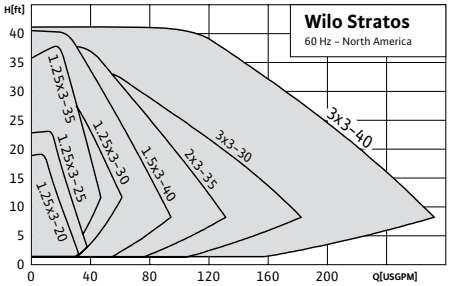
Technical Data

- 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
- Polypropylene Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing
- Glass filled Noryl + EPDM Check Valve

Wilo Stratos
High Efficiency Circulators



Application

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

Max. Flow
285 USGPM

Max. Head
43 feet

Features and Benefits

- ECM 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

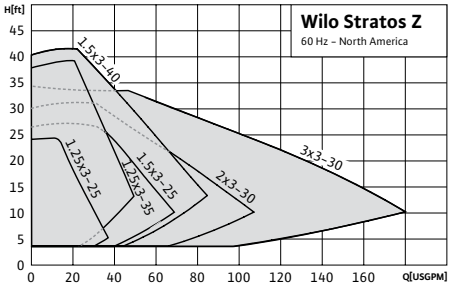
Technical Data

- ΔP-V 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: 1~208/230v (+/- 10%)

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Fiberglass Reinforced Plastic Impeller
- Stainless Steel Shaft
- Carbon, Metal 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 USGPM

Max. Head
43 feet

Features and Benefits

- NSF 61 / Annex G Certified
- 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 infra-red device
- Built-in overload fault contacts

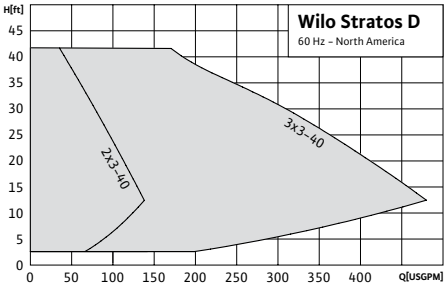
Technical Data

- 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)
- Temp Range: 32°F to 176°F (0°C to 80°C)
- Electrical Connection: 1~208/230v (+/- 10%)

Materials of Construction

- Stainless Steel Volute
- Composite Impeller
- Stainless Steel Shaft
- Carbon, Synthetic Resin Impregnated Bearing

Wilo Stratos D
High Efficiency Circulators



Application

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

Max. Flow
480 USGPM

Max. Head
43 feet

Features and 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
- 7 different control modules available

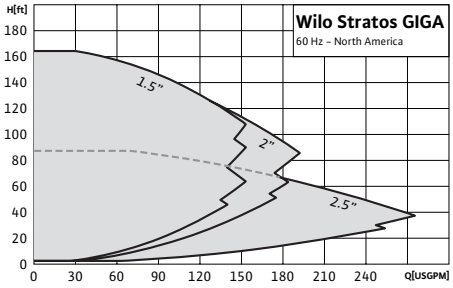
Technical Data

- ΔP-V, ΔP-C, or constant speed control modes standard. ΔP-T control mode available with IR device
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

Materials of Construction

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

Wilo Stratos GIGA
High Efficiency Inline Circulators



Application

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

Max. Flow
275 USGPM

Max. Head
167 feet

Features and Benefits

- ECM motor technology reduces energy consumption by up to 80%
- Available in glanded construction mechanical shaft seal and flanged connections
- Integrated electronic power adjustment
- Compact and space-saving design
- 'Red Button' technology and LED display
- Control modules available for building automation

Technical Data

- ΔP-V, ΔP-C, or constant speed control modes standard. ΔP-T control mode available with IR device
- Temp Range: -4°F to 284°F (-20°C to +140°C)
- Electrical Connection: 3~460v
- NEMA Enclosure

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Cast Iron Volute & Lantern
- Polypropylene Impeller
- Stainless Steel Pump Shaft
- Various Mechanical Seals (available on request)

Wilo IR Device & IF Modules
Stratos Accessories

Infrared (IR) Device

Allows you to communicate with Stratos, D/Z/GIGA pumps through a laptop via USB connection.

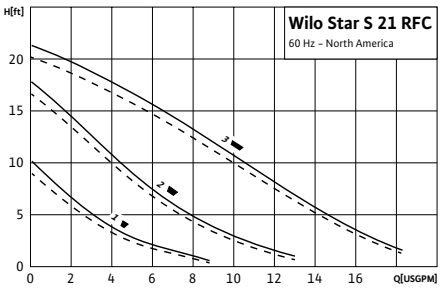
InterFace (IF) Modules

Available Modules:

- External Min / 0-10v DC/ Dual Pump
- External Off / 0-10v DC/ Dual Pump
- SBM Run Signal / 0-10v DC/ Dual Pump
- SBM Run Signal / Ext. Off/ Dual Pump
- LON Interface / Dual Pump
- BACnet / Dual Pump
- Modbus Interface

Cast Iron Circulators

Wilo Star S 21 RFC
3 Speed Circulator with Rotating Flange and Installable Check Valve



Application

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

Max. Flow
19 USGPM

Max. Head
21 feet

Features and Benefits

- Reliable wet rotor technology
- Patent-pending 360° Flange rotates to 12/6 or 3/9 o'clock positions
- Installable hi-temp check valve included
- Quick connect wiring
- Fits all competitor's models
- Powerful starting torque
- Ultra quiet
- Automatically vented

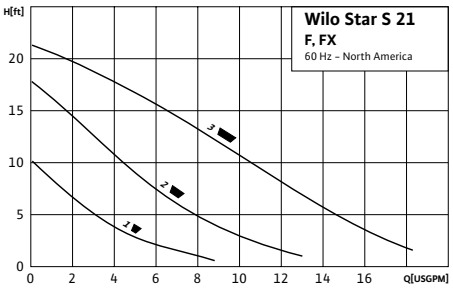
Technical Data

- 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, Metal Impregnated Bearing
- Steel Terminal Box

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
19 USGPM

Max. Head
21 feet

Features and Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Fits all competitor's models
- Powerful starting torque
- Ultra quiet
- Optional check flange
- Automatically vented

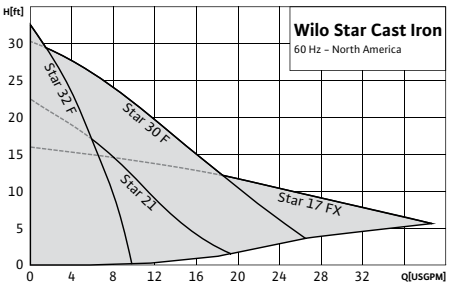
Technical Data

- 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, Metal Impregnated Bearing
- Steel Terminal Box

Wilo Star Cast Iron
Single Speed Wet Rotor Circulators



Application

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

Max. Flow
38 USGPM

Max. Head
32 feet

Features and Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Fits all competitor's models
- Powerful starting torque
- Ultra quiet
- Optional check flange
- Automatically vented

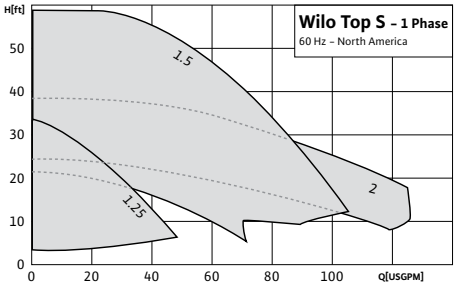
Technical Data

- 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, Metal Impregnated Bearing
- Steel Terminal Box

Wilo Top S – 1 Phase
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
125 USGPM

Max. Head
59 feet

Features and Benefits

- No mechanical seal
- Quiet, low maintenance wet rotor circulator
- Two-speed operation on all voltages
- Automatically vented
- Cataphoresis coating prevents corrosion
- Sturdy cast aluminum electrical box
- Short flange to flange dimension
- Most extensive wet rotor line in the industry!

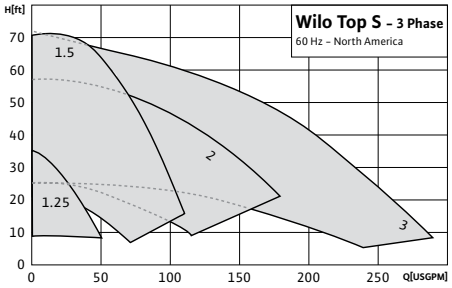
Technical Data

- Max Temp Range: 14 to 248°F (-10 to 120°C)
- Amb Temp Range: 32°F – 104°F (0°C – 40°C)
- Electrical Connection: 1~115v, 1~230v
- Max Working Pressure: 145 PSI (10 Bar)

Materials of Construction

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

Wilo Top S – 3 Phase
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 USGPM

Max. Head
70 feet

Features and Benefits

- No mechanical seal
- Quiet, low maintenance wet rotor circulator
- Two-speed operation on all voltages
- Automatically vented
- Cataphoresis coating prevents corrosion
- Sturdy cast aluminum electrical box
- Short flange to flange dimension
- Most extensive wet rotor line in the industry!

Technical Data

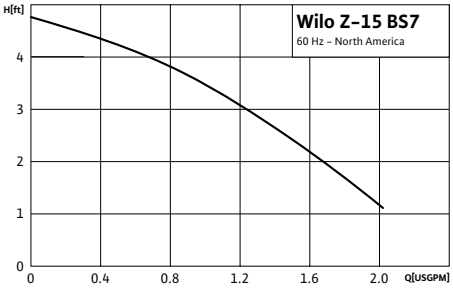
- Max Temp Range: 14°F 248°F (- 10°C to 120°C)
- Amb Temp Range: 32°F – 104°F (0°C – 40 °C)
- Electrical Connection: 3~208-230v, 460v, 575v
- Max Working Pressure: 145 PSI (10 Bar)

Materials of Construction

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

Bronze Circulators

Wilo Z-15
Domestic Hot Water Circulator



Application

- Domestic Hot Water Recirculation

Max. Flow
2 USGPM

Max. Head
5 feet

Features and Benefits

- NSF 61 / Annex G Certified
- 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

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 61 / Annex G Certified Brass Volute
- Plastic PPE (Noryl) Impeller
- Stainless Steel Shaft
- Epoxy-Impregnated Carbon Bearing

Wilo DHW Accessories
JetValve, Digital Timer, Fitting Pack & Aquastat

JetValve

- Mounts under the sink for instant hot water
- Adjustable temperature setpoint screw
- Conserves water

Digital Timer

- Weekly digital timer
- Large LCD display
- Conserves energy

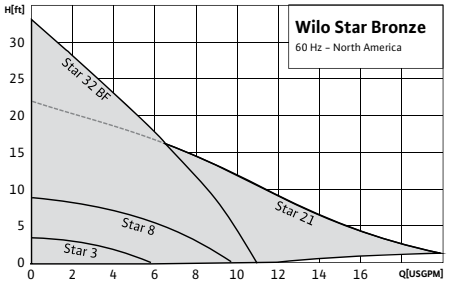
Jet Connect™ Fitting Pack

- 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

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 Star Bronze
Bronze Wet Rotor Circulator



Application

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

Max. Flow
19 USGPM

Max. Head
32 feet

Features and Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Fits all competitor's models
- Powerful starting torque
- Ultra quiet
- Optional check flange
- Automatically vented
- Single or 3 speed models

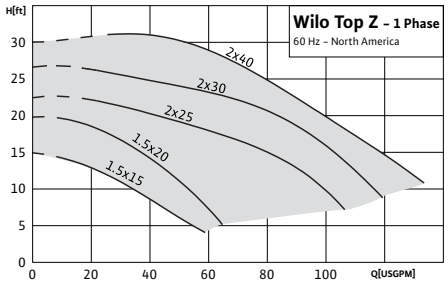
Technical Data

- Max Temp Range: 14°F to 230°F (-10°C to 110°C)
- Amb Temp Range: 32°F to 104°F (0°C to 40°C)
- Electrical Connections: 1~115v
- Max Working Pressure: 140 PSI (10 Bar)

Materials of Construction

- Bronze Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing

Wilo Top Z – 1 Phase
Bronze Circulators



Application

- Domestic Hot Water Circulation
- Open Systems – Heating or Cooling
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Geothermal

Max. Flow
130 USGPM

Max. Head
32 feet

Features and Benefits

- Reliable wet rotor technology
- Maintenance-free
- Short flange to flange dimension
- Low noise – 48db max!

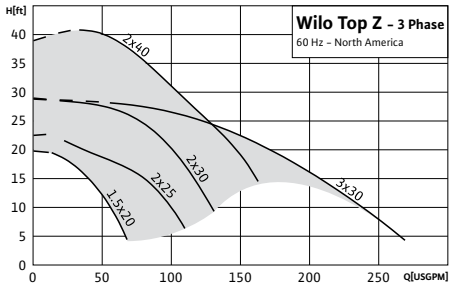
Technical Data

- Temp Range: 14°F to 176°F (-10°C to 80°C)
- Amb Temp Range: 32°F to 104°F (0°C to 40°C)
- Electrical Connections: 1~115v & 230v, 3~230v
- Max Working Pressure: 145 PSI (10 Bar)

Materials of Construction

- Bronze Volute
- 40% Glass Fiber Filled Polypropylene Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing

Wilo Top Z – 3 Phase
Bronze Circulators



Application

- Domestic Hot Water Circulation
- Open Systems – Heating or Cooling
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Geothermal

Max. Flow
265 USGPM

Max. Head
40 feet

Features and Benefits

- Reliable wet rotor technology
- Maintenance-free
- Short flange to flange dimension
- Low noise – 48db max!

Technical Data

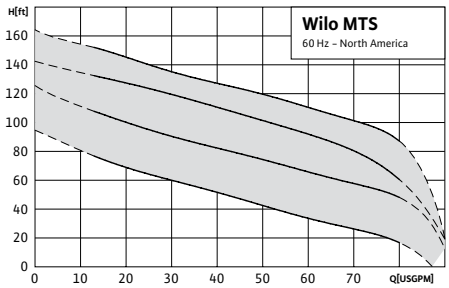
- Temp Range: 14°F to 176°F (-10°C to 80°C)
- Amb Temp Range: 32°F to 104°F (0°C to 40°C)
- Electrical Connections: 1~115v & 230v, 3~230v
- Max Working Pressure: 145 PSI (10 Bar)

Materials of Construction

- Bronze Volute
- 40% Glass Fiber Filled Polypropylene Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing

Sump and Sewage

Wilo MTS
Submersible Sewage Pumps with Macerator



Application

- Solids Maceration
- Sewage Handling
- Drainage
- Wastewater Treatment

Max. Flow
80 USGPM

Max. Head
165 feet

Features and Benefits

- Cutter design yields fine solids for nonclogging operation
- Highly efficient design means low operating costs
- Stainless steel casing for maximum corrosion resistance
- Explosion protection on MTS40 E models
- 25' cable included

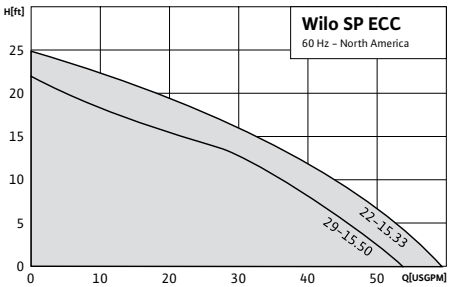
Technical Data

- Electrical Connections: MTS 40/95: 1~230v MTS 40/95 – MTS 40/165: 3~230v & 460v
- Temp Range: 37°F – 104°F (3°C – 40°C)
- Insulation class F

Materials of Construction

- Cast Iron Volute & Impeller
- Stainless Steel Macerator, Shaft & Motor Housing

Wilo ECC
Submersible Sump Pump



Application

- Sump & Effluent
- De-watering
- Drainage

Max. Flow
58 USGPM

Max. Head
25 feet

Features and Benefits

- Replaceable piggyback tether float switch for automatic operation
- Permanent split capacitor motor with automatic thermal overload protection
- 10' power cord included
- CSA certified

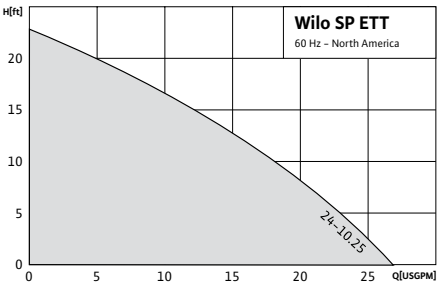
Technical Data

- Max Solids Handing: 3/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1½" NPT Discharge (1¼" with adaptor)

Materials of Construction

- Cast Iron Volute & Motor Housing
- Thermoplastic Vortex Impeller
- Stainless Steel Bottom-Screened Inlet

Wilo ETT
Utility Pump



Application

- Surface De-watering
- General Utility Applications

Max. Flow
27 USGPM

Max. Head
23 feet

Features and Benefits

- Permanent split-capacitor motor with built-in thermal overload protection
- Internal water sensor for automatic on/off operation
- Bottom suction design can pump water down to ¼" from surface
- 15' electrical cord included
- CSA certified

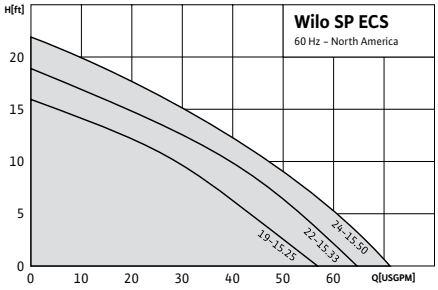
Technical Data

- Max Solids Handing: 1/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1" NPT Discharge, multiple adaptors

Materials of Construction

- Thermoplastic Volute, Motor Housing & Impeller

Wilo ECS
Submersible Sump Pump



Application

- Sump & Effluent
- De-watering
- Drainage

Max. Flow
71 USGPM

Max. Head
23 feet

Features and Benefits

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

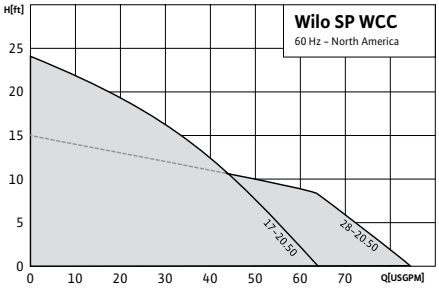
Technical Data

- Max Solids Handling: ½"
- Max Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1½" Discharge (1¼" adaptor included)

Materials of Construction

- Cast Iron Volute
- Stainless Steel Motor Housing
- Thermoplastic impeller

Wilo WCC
Sewage/Effluent Pumps



Application

- Residential Sewage & Effluent
- Drainage

Max. Flow
85 USGPM

Max. Head
24 feet

Features and 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
- Thermoplastic impeller

Wilo SP Series Accessories
Basin Packages and Check Valves

WCC Basin Packages

- WCC28 Basin Package
  - Sewage/Effluent Pump
  - Sewage Basin
  - Sewage Basin Lid
  - Sewage Basin Side Gasket
  - 2" Compression check valve
  - 2" PVC-Grade 40 (4')
- WCC17 Basin Package
  - Sewage/Effluent Pump
  - Sewage Basin
  - Sewage Basin Lid
  - Sewage Basin Side Gasket
  - 2" Compression check valve
  - 2" PVC-Grade 40 (4')

Sewage Poly Basin – 18" x 30"

- WB-18.30 18" x 30" – Sewage Poly Basin
- WB-18.30-G – Side Gasket for WB-18.30 Basin (required)
- WB-18.30-L – Lid for WB-18.30 Basin

Sump Poly Basin – 18" x 24"

- EB-18.24 18" x 24" – Corrugated Sump Poly Basin
- EB-18.24-L – Lid for EB-18.24 Basin

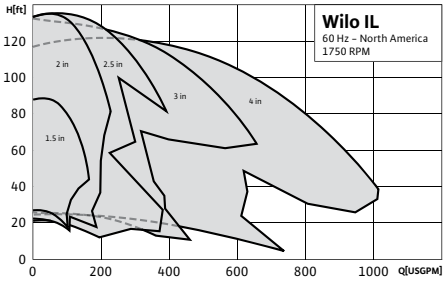
Check Valves

- ECV – 1½" / 1¼" Inline Rubber-End Check Valve
- WCV – 2" Inline Rubber-End Check Valve
- ECV-C 2" Compression Check Valve

Inline Pumps

Extended IL Range 2013!

Wilo IL 1750
Inline Centrifugal Circulators



Application

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

Max. Flow
1010 USGPM

Max. Head
135 feet

Features and Benefits

- Integral suction diffuser cast in volute inlet
- All bolts “non-metric”
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Integrated suction straightening vane
- All voltages available

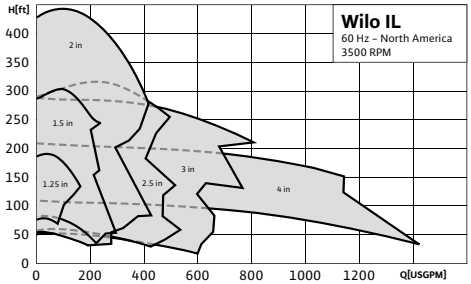
Technical Data

- TEFC motors standard (ODP available)
- Temp Range: 20°F to 285°F (-4°C to 140°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connections: all

Materials of Construction

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

Wilo IL 3450
Inline Centrifugal Circulators



Application

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

Max. Flow
1425 USGPM

Max. Head
445 feet

Features and Benefits

- Integral suction diffuser cast in volute inlet
- All bolts “non-metric”
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Integrated suction straightening vane
- All voltages available

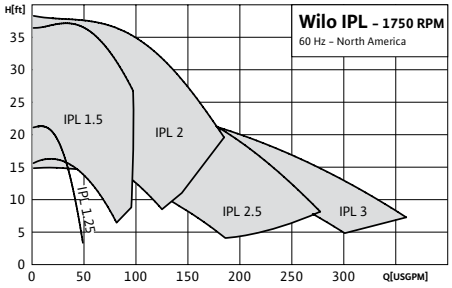
Technical Data

- 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 Connections: all

Materials of Construction

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

Wilo IPL 1750
Inline Pumps



Application

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

Max. Flow
360 USGPM

Max. Head
38 feet

Features and Benefits

- ¼" suction and discharge pressure gauge tappings
- Pump legs drilled and tapped ⅜" SAE
- Standard NEMA frame Baldor motors
- All voltages available

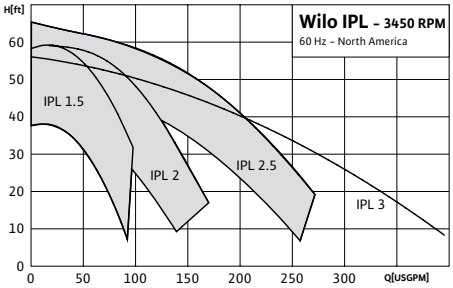
Technical Data

- Temp Range: 15°F to 248°F (–10°C to 120°C)
- AQEGG standard mechanical seal (other seal types available)

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Noryl Impeller
- Stainless Steel Stub Shaft

Wilo IPL 3450
Inline Pumps



Application

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

Max. Flow
400 USGPM

Max. Head
65 feet

Features and Benefits

- ¼" suction and discharge pressure gauge tappings
- Pump legs drilled and tapped ⅜" SAE
- Standard NEMA frame Baldor motors
- All voltages available

Technical Data

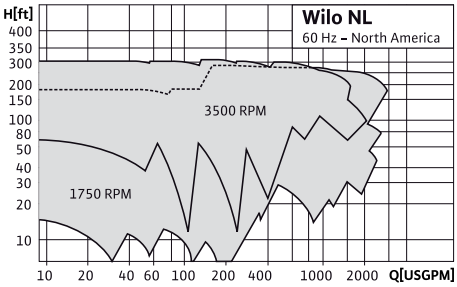
- Temp Range: 15°F to 248°F (–10°C to 120°C)
- AQEGG standard mechanical seal (other seal types available)

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Noryl Impeller
- Stainless Steel Stub Shaft

End Suction and Horizontal Split Case Pumps

Wilo NL
Base Mount End Suction Pumps



Application

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

Max. Flow
2,500 USGPM

Max. Head
265 feet

Features and 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

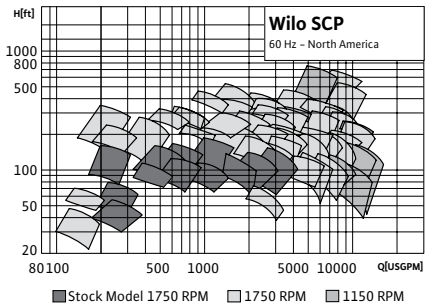
Technical Data

- 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

Materials of Construction

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

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
15,000 USGPM

Max. Head
750 feet

Features and Benefits

- Horizontally 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

Technical Data

- Temp Range: 18°F to 250°F (-8°C to 120°C)
- Available in sizes up to 500HP

Materials of Construction

- 9 different material specs available
- 8 different seal types available

Wilo SD & TDV
Suction Diffusers & Triple Duty Valves

Suction Diffuser

Features and Benefits

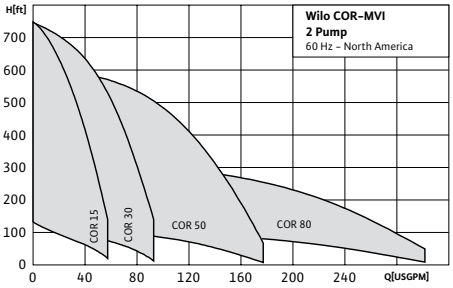
- Available in 2"x 1½" through 12"x 12"
- Integrally cast stabilizing vanes
- Separate fine mesh screen surrounds each perforated screen
- Cast on pads for convenient mounting of standard I.D. support foot
- Class 125 (175 PSI)
- Efficient design results in no need for a 90° elbow, strainer or stabilizing piping
- Cast iron body

Triple Duty Valve

Features and Benefits

- Available in 1½" through 12" pipe size
- Schrader valve metering connections
- Memory stop which avoids the need for resetting after shut-down
- Plug position indicator and calibrated scale for system balancing and flow regulation
- Spring loaded non-return gate
- Dual O-ring stem seals
- Non-lubricated operation
- Bubble-tight shut-off
- In-line serviceability
- Cast iron body

COR-MVI 2-Pump
Pressure Boosting Systems



For use in water supply applications requiring constant pressure, such as:

- Residential, Commercial & Industrial Buildings
- Hotels & Hospitals
- Department Stores
- Sports Arenas
- Washing / Irrigation

Max. Flow
300 USGPM

Max. Head
754 feet

Features and Benefits

- Factory-programmed, packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

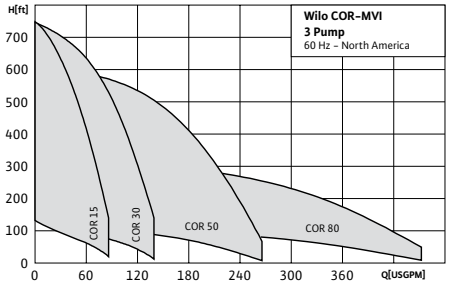
Technical Data

- CC Controller – NEMA 12
- VFD-Controlled Base Load Pump
- 4–20 mA, ¼" SS Pressure Transducers
- Max System Pressure: 250 PSI
- Fluid Temp Range: 30°F to 200°F (–1°C to 120°C)

Materials of Construction

- Stainless Steel Pump Volute, Impeller, Shaft & Header
- EPDM Elastomers
- Carbon/Tungsten Carbide, SiC/Carbon Mechanical Seal
- Tungsten Carbide/Ceramic Bearing

COR-MVI 3-Pump
Pressure Boosting Systems



For use in water supply applications requiring constant pressure, such as:

- Residential, Commercial & Industrial Buildings
- Hotels & Hospitals
- Department Stores
- Sports Arenas
- Washing / Irrigation

Max. Flow
450 USGPM

Max. Head
754 feet

Features and Benefits

- Factory-programmed, packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

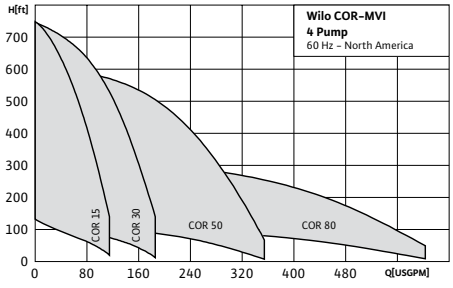
Technical Data

- CC Controller – NEMA 12
- VFD-Controlled Base Load Pump
- 4–20 mA, ¼" SS Pressure Transducers
- Max System Pressure: 250 PSI
- Fluid Temp Range: 30°F to 200°F (–1°C to 120°C)

Materials of Construction

- Stainless Steel Pump Volute, Impeller, Shaft & Header
- EPDM Elastomers
- Carbon/Tungsten Carbide, SiC/Carbon Mechanical Seal
- Tungsten Carbide/Ceramic Bearing

COR-MVI 4-Pump
Pressure Boosting Systems



For use in water supply applications requiring constant pressure, such as:

- Residential, Commercial & Industrial Buildings
- Hotels & Hospitals
- Department Stores
- Sports Arenas
- Washing / Irrigation

Max. Flow
600 USGPM

Max. Head
754 feet

Features and Benefits

- Factory-programmed, packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

Technical Data

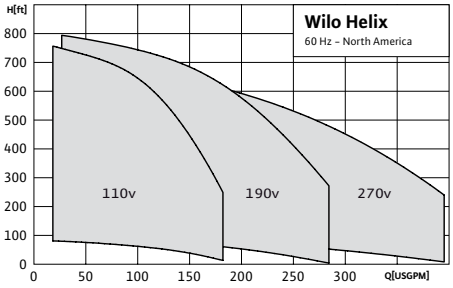
- CC Controller – NEMA 12
- VFD-Controlled Base Load Pump
- 4–20 mA, ¼" SS Pressure Transducers
- Max System Pressure: 250 PSI
- Fluid Temp Range: 30°F to 200°F (–1°C to 120°C)

Materials of Construction

- Stainless Steel Pump Volute, Impeller, Shaft & Header
- EPDM Elastomers
- Carbon/Tungsten Carbide, SiC/Carbon Mechanical Seal
- Tungsten Carbide/Ceramic Bearing

Multistage Pumps

Wilo Helix
Vertical Multistage Pumps



Application

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

Max. Flow
800 USGPM

Max. Head
380 feet

Features and Benefits

- Up to 33% more head, and 10% more flow per stage!
- Rebuildable cartridge seal system reduces maintenance time by up to 70%
- Floating flanges for easy installation
- Standard EISA compliant TEFC motors
- Integrated thrust bearing reduces motor stress

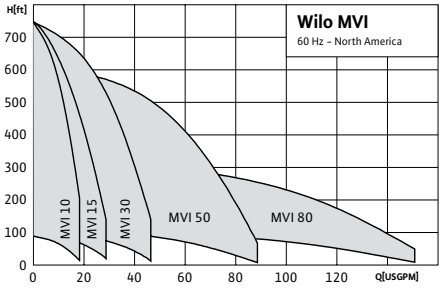
Technical Data

- 3~ 230v TEFC motors standard (ODP available on request)
- Liquid Temp Range 4°F to 248°F (-15°C to 120°C)
- Electrical Connections: 3~230/460/575v
- Flange Connection: 250# ANSI

Materials of Construction

- 304L SS or 316SS construction available
- Stainless Steel Impeller, Shaft, Pressure Shroud & Pump Base
- EPDM/FKM Elastomers
- Optional Mechanical Seals Available
- Tungsten Carbide/Ceramic Bearing

Wilo MVI
Vertical Multistage Pumps



Application

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

Max. Flow
150 USGPM

Max. Head
750 feet

Features and Benefits

- 304 Stainless steel construction on parts in contact with fluid
- Standard TEFC NEMA frame Baldor motors
- EPDM/Viton® mechanical seals
- Heavy duty pump base
- Both Oval and ANSI flanges available

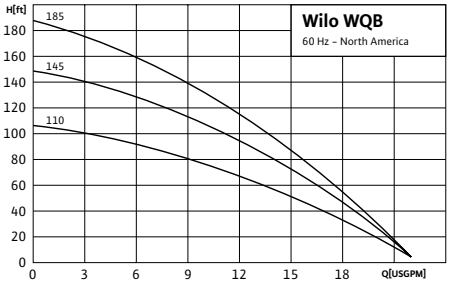
Technical Data

- TEFC motors standard (ODP available on request)
- Temp Range: -5°F to to 250°F with EPDM Seal (-20°C to 121°C)
- 1¼" 250# ANSI (not included) or 1" FNPT Oval Flanges (included) Flange Connection

Materials of Construction

- Stainless Steel Volute, Impeller & Shaft
- Carbon/tungsten Carbide, SiC/ Carbon, EPDM Elastomers Mechanical Seal

Wilo WQB
Multi-Stage Booster Pump



Application

- Household Boosting
- Water Conditioning
- Irrigation
- Light Commercial Boosting
- Rainwater Harvesting
- Reverse Osmosis

Max. Flow
22 USGPM

Max. Head
185 feet

Features and Benefits

- Built-in dry-running protection
- Self-Priming design, automatically starts and stops as taps are opened or closed
- All-in-one package includes: bladder tank, cord and cable and build-in check valve
- Thermal Overload Protection
- Constant Pressure and Flow
- Automatic and Manual Reset
- Includes power cord and cable

Technical Data

- Fluid Temp. Range: 32°F to 95°F (0°C to 35 °C)
- Electrical Connections: 1~115v, 1~230v
- Max Inlet Pressure: 30 PSI
- Suction Lift: 26' (8m)
- Max Discharge Height: 49' (15m)

Materials of Construction

- Composite (PPO/PPE) Volute and Impeller
- Butyl Diaphragm Expansion Tank
- PVC Coupling Adaptors

Wilo WZC
Zone Relay

Application

- Heating Systems
- Cooling Systems
- HVAC

Features and Benefits

- 4-Zone, 2-Zone, and 1-Zone Controls
- 120VAC, +/- 10%
- Optically Isolated demand inputs
- 24VAC or dry contact
- 120VAC 5A zone outputs
- RS-232
- 8bit 16MHz
- ETL approved

Wilo WZV
Zone Valve

Application

- Heating Systems
- Cooling Systems
- HVAC

Features and Benefits

- 2-Way Zone Valves
- Controls the flow in your hydronic system
- Available in ½", ¾", and 1" SWT connections
- Valve normally closed
- 2' Cable included
- 24 Volt, UL-approved motor
- High-quality bronze construction
- Micro-end switch
- High C_v Value

Wilo WXT, WAS, WAV
Expansion Tanks, Air Scoop, Air Vent

Application

- Heating Systems
- Cooling Systems
- HVAC

Features and Benefits

Expansion Tanks

- Controls system pressure in closed systems
- Available in 2.0 & 4.4 Gal. models
- ½" NPT Connection
- Quick and easy Installation
- Pre-charged to 12 PSI
- Max Working Pressure: 100 PSI
- Max Temp: 240°F (116°C)

Air Scoops

- Quietly separates air from your hydronic system
- Available in ¾", 1", and 1¼" FNPT connections
- Tapped for ⅛" air vent and ½" expansion tank
- Maintenance free, cast iron construction

Air Vents

- Vents air from hydronic systems
- ⅛" NPT connection
- Max Operating Pressure: 150 PSI
- Max Temp: 240°F (116°C)
- Easy to service
- Solid brass construction

JetConnect™ Flanges & Accessories

Wilo JetConnect™
Flanges and Accessories

Wilo JetConnect™
Swivel Flange Ball Valves

Cast Iron Flanges

- Residential FNPT ductile iron flanges (¾", 1", 1¼", 1½")
- HV cast iron FNPT flanges (1", 1½", 2")
- Wilo ductile iron FNPT "Check Flange" kit (¾", 1", 1¼")

Bronze Flanges

- Residential FNPT bronze flanges (¾", 1", 1¼")
- Residential SWT bronze flanges (¾", 1")
- HV bronze flanges (1", 1¼, 2")
- Street Brass flange (¾")

Bronze Unions

- FNPT Union (¾", 1")
- SWT Union (¾", 1")

Swivel Flange Ball Valves

- Residential FNPT/SWT w check (¾", 1", 1¼", 1½")
- Residential FNPT/SWT w purge and check (¾", 1", 1¼", 1½")
- HV FNPT/SWT (1¼", 1½")
- HV SWT w purge (1¼", 1½")

The Place
Beijing, China

This landmark of the new Beijing, with its striking outdoor video screen in Beijing's Square which has become a modern lifestyle mall, with shops, leisure facilities, restaurants, entertainment and business areas. It is one of the most attractive tourist spots for any travelers who come to Beijing.

Wilo split case pumps are installed for the entire air-conditioning system. These pumps are especially suitable for high flow water supply with high efficiency. The hydraulic design and Wilo quality guarantee a smooth operation of the entire system with low maintenance costs.

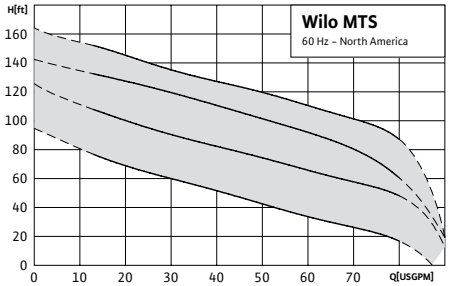
Wilo FA

Product Overview.
Water Management.

Submersible / Sewage Pumps

Ask about **Wilo GPS!** – Guaranteed 2–week delivery on select FA models!

Wilo MTS
Submersible Sewage Pumps with Macerator



Application

- Solids Maceration
- Sewage Handling
- Drainage
- Wastewater Treatment

Max. Flow
80 USGPM

Max. Head
165 feet

Features and Benefits

- Cutter design yields fine solids for nonclogging operation
- Highly efficient design means low operating costs
- Stainless steel casing for maximum corrosion resistance
- Explosion protection on MTS40 E models
- 25' cable included

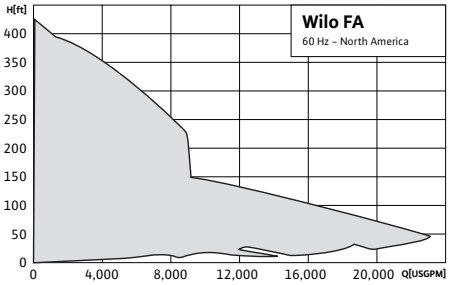
Technical Data

- Electrical Connections: MTS 40/95: 1~230v MTS 40/95 – MTS 40/165: 3~230v & 460v
- Temp Range: 37°F – 104°F (3°C – 40°C)
- Insulation class F

Materials of Construction

- Cast Iron Volute & Impeller
- Stainless Steel Macerator, Shaft & Motor Housing

Wilo FA
Submersible Sewage Pumps



Application

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

Max. Flow
23,000 USGPM

Max. Head
420 feet

Features and 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

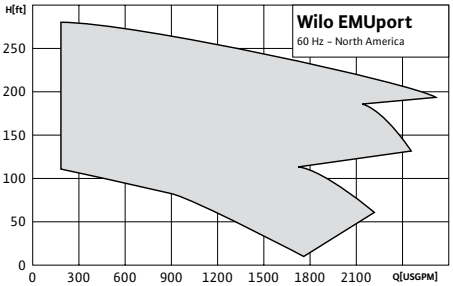
Technical Data

- 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 EMU Port
Solids Separation System



Application

- Solid separation for untreated sewage that cannot be discharged to the sewer system

Max. Flow
25,000 USGPM

Max. Head
265 feet

Features and Benefits

- Low maintenance and operating costs
- System remains fully functional during maintenance
- Solids separation system includes: Collection reservoir, 2x solids tank, 2x sewage pumps & complete piping network

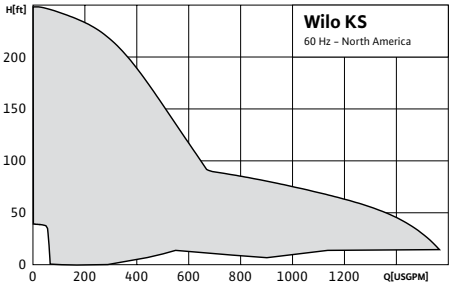
Technical Data

- Pumps stations ready for connection
- With dry-mounted sewage pumps and solids separation system
- Available in shaft- (MS, FS) or building version (MG, FG)

Materials of Construction

- Underground Pumping Station Made of PEHD

Wilo KS
Submersible Drainage Pumps



Application

- For drainage of excavation pits
- Basements
- Pits and basins
- Fountains

Max. Flow
1,550 USGPM

Max. Head
250 feet

Features and Benefits

- Submersible drainage pumps in rugged design for use on building sites
- Mechanical seal independent of direction of rotation
- Heavy-duty motors (oil-filled and dry) ensure permanent operation even with non-immersed motor
- Corrosion-resistant components

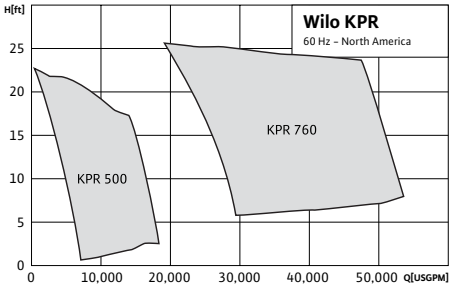
Technical Data

- S1 Operating Mode (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class IP 68
- Sealed by double mechanical seal
- Maintenance-free roller bearing

Materials of Construction

- Normal Cast Iron version
- Optional wear protection due to ceramic coating
- Optional Abrasit pump coating available
- With Ex protection, depending on type

Wilo KPR
Submersible Sewage Pumps



Application

- Storm Water
- Cooling Water
- Cleaned sewage
- Irrigation
- Sludge

Max. Flow
52,000 USGPM

Max. Head
26 feet

Features and Benefits

- Submersible axial flow propeller pump
- Special materials and coatings against abrasion and corrosion
- Longitudinally watertight cable lead-in
- Angle of propeller blades adjustable by hand

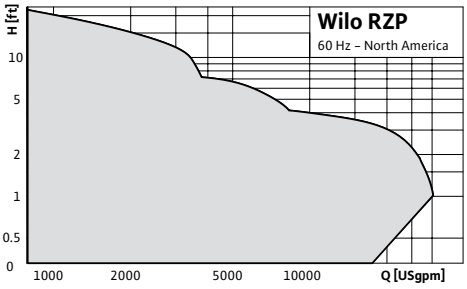
Technical Data

- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C), higher temperatures on request
- Protection class: IP 68

Materials of Construction

- Heavy-duty version made of Cast Iron
- Stainless Steel Propeller
- Silicon Carbide Mechanical Seals

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 and Benefits

- Submersible
- Vertical or in-line design
- Self-cleaning propeller, partially with helix hub
- ATEX and FM versions

Technical Data

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

Materials of Construction

- PUR or Stainless Steel Propeller

Wilo Miniprop
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 and 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 Uniprop
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
78 – 886 lbf (350 – 3940 N)

Features and Benefits

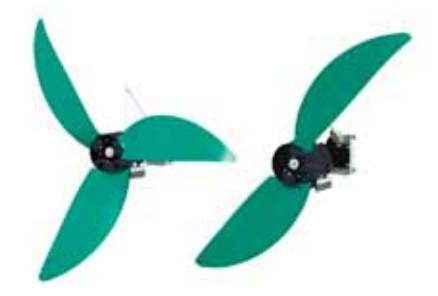
- Stationary installation on walls
- Flexible installation
- Single-stage planetary gear for adjusting the propeller speed
- Self-cleaning propeller
- Easy-to-install propeller attachment
- Type “TRE” with IE3 performance optimized motors
- ATEX and FM versions

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 Megaprop/Maxiprop
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 and 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

Baton Rouge South Wastewater Treatment Plant
Baton Rouge, Louisiana

Wilo provided 25 units, up to a 20" discharge and 540 horsepower. The units included FA pumps, specially designed mixers, and well water pumps.

Wilo TWU 4

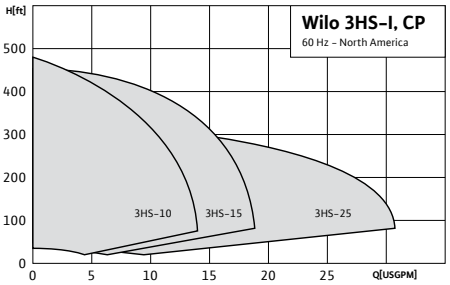
Product Overview.
Groundwater.

Submersible Pumps **from page 34**

3HS, TWI, TWU, Motors, Accessories, Borehole, Bottom Intake

Submersible Pumps

Wilo 3HS
3" High-Speed Submersible Pumps with Noryl Impellers



Application

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

Max. Flow
31 USGPM

Max. Head
475 feet

Features and Benefits

- High-speed 8400 RPM rewindable motor
- Available in Constant Pressure (CP) and Integrated (I) models
- Integrated check valve
- Frequency converter included on CP models
- Vertical and horizontal installation possible

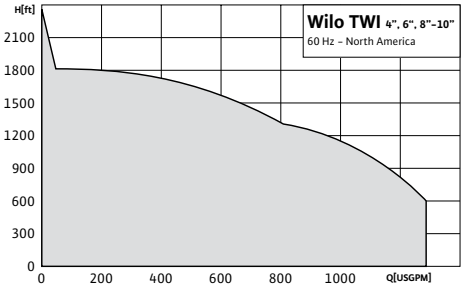
Technical Data

- Electrical Connections: 1~230v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 500'
- Max Number of Starts: 30 /h
- Protection Class: IP 58

Materials of Construction

- 304 SS Construction
- Noryl Impellers

Wilo TWI
4"–10" Stainless Steel Submersible Well Pumps



Application

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

Max. Flow
1,350 USGPM

Max. Head
2,200 feet

Features and 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
- Additional models available on request

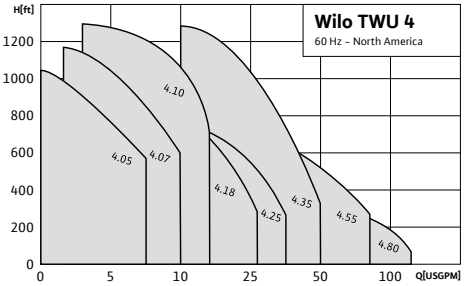
Technical Data

- 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" Submersible Well Pumps with Noryl Impellers



Application

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

Max. Flow
110 USGPM

Max. Head
1,250 feet

Features and Benefits

- 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 Submersible Motors
4”–16”Submersible Motors

Wilo Submersibles Accessories
Control Boxes, Variable Frequency Drives, Pump Panels

4” Submersible Motors

- Stainless steel (304SS) stator housing and end bells for maximum corrosion resistance
- Coal Bed Methane Series with 316/304 const. available for aggressive applications
- Overiszed Kingsbury-type bearings for higher thrust loads
- Equipped with surge arrestors on 115/230v models to 1.5 HP
- Automatic thermal overload protection to 1.5 HP
- Split capacitor design for highly 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
- Class F insulation (311°F / 155°C)

7”–10” Submersible Motors – RW Series

- All 304 stainless steel construction-standard: 30 HP thru 250 HP
- 7”–8”–10” are high temperature rated to 176°F (80°C) standard (SF 1.0)
- All motors are rewindable: 10” (actual 8” NEMA pump connector)
- L_{10} bearing life, highest in the industry
- 7” has 6” NEMA connector (7” x 6”) 30 HP/40 HP/50 HP/60 HP

9”–16” Coolact Rewindable Submersible Motors

- Rewindable motor stator
- Voltages up to 3000v
- 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 bearing
- Water-filled design
- Mechanical seals to restrict fluid entry to the motor

Control Boxes

- Standard
- Deluxe
- Deluxe CSCR
- Deluxe (6”)

Variable Frequency Drives

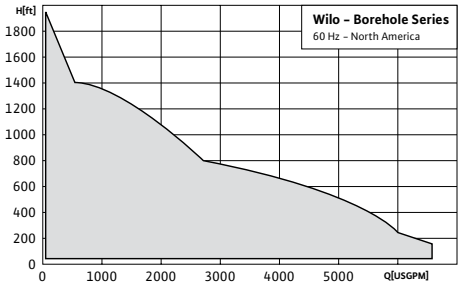
- Max Amb Temp: 104°F (40°C)
- Max Altitude: 3300’ (1000m)
- Protection Class: IP55 (NEMA 4)
- 4 Digital input, N.O. or N.C (settable) , for motor run and motor stop
- RS485 serial communication

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.

Submersible Pumps

Wilo Borehole Series
Up to 24”



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 USGPM

Max. Head
1950 feet

Features and 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

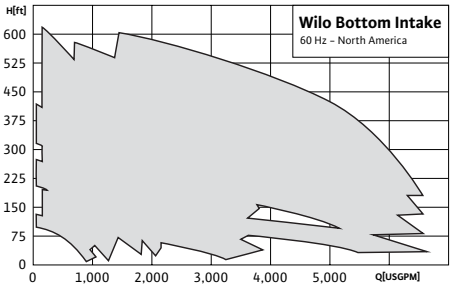
Technical Data

- 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 Bottom Intake Series



Application

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

Max. Flow
5,000 USGPM

Max. Head
524 feet

Features and Benefits

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

Technical Data

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

Materials of Construction

- Ceram Coating available for increased durability

Paulaner Brauerei
Munich, Germany

For brewing and additional process steps, such as bottle cleaning, the brewery needs around 250M gallons of water per year. This high water requirement should be met by 16' – 785' deep wells.

Wilo supplied each well with a multistage heavy-duty borehole pump. From a depth of 260', these 5 pumps serve the fluctuating water demand during running beer production. The variable speed pump controls with frequency converters ensure needs-based and an extremely energy-efficient water supply.

Notes:

Notes:

Wilo USA LLC
Corporate Headquarters
9550 W. Higgins Rd. #300
Rosemont, IL 60018

Wilo USA LLC
Manufacturing Facility
86 Genesis Parkway
Thomasville, GA 31792