



Lowara borehole series

Reliable water supply with
Lowara borehole pumps,
motors, drives and accessories



Xylem’s Lowara brand,, a global leader in water technology

Founded in 1968 and based in Montecchio Maggiore, near Vicenza in Italy, Lowara has been serving customers and users of hydraulic pumps in various sectors for almost 60 years. In 1986 Lowara was acquired by Goulds Pumps Inc. of Seneca Falls, USA.

The acquisition in 1997 of Goulds Pumps Inc. by ITT Industries made Lowara one of the world’s largest pump manufacturing group. In 2011 Xylem completed its spinoff from ITT Corporation, and began a new chapter as a leading global water technology company.

Innovation has always been one of Lowara’s distinctive characteristics, as the offer of premium products needs to be maintained and developed over time. Xylem invests economic, human and technological resources in training and research in order to ensure continuous improvements of its products and processes.

Xylem uses the most advanced research, design and industrial engineering to enhance its global capabilities.This provide efficient and reliable products, services and solutions for the water supply and water pumping needs in the residential, irrigation, building services and commercial markets worldwide.

Xylem’s Lowara brand comprehensive stock and manufacturing facilities enable fast and efficient responses to customer needs.



Information is subject to change

- Main sales offices
- Manufacturing sites
- Headquarters - Xylem EMEA
- Distribution centers

Xylem is a Fortune 500 global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day.

Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating, and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

\$8.6B USD 2024 Revenue	250+ service and sales locations
8,300+ patents and trademarks	100+ years of innovation and leadership with leading brands
>23k colleagues with diverse water expertise	~150 countries where Xylem solutions solve water

Reliable water supply with Lowara borehole pumps

Water is essential for life, agriculture, and industry. The Lowara Borehole Pump Range from Xylem is designed to provide a dependable and efficient solution for extracting water from underground sources. Whether you need water for domestic, agricultural, or industrial use, Lowara's advanced borehole pumps ensure a steady supply with high efficiency and durability.

The borehole pump range from 4" to 12" offer flows up to 520 m³/h and head up to 546 m



Please contact your local sales office for further details.

Key features and advantages

Energy efficiency

The Borehole Series is designed to operate with minimal energy consumption. Its efficiency is enhanced by advanced hydraulic and motor design, contributing to lower operational costs over the long term.

Durability

Made with high-quality, corrosion-resistant materials like stainless steel, the range is engineered for long-term performance in demanding environments. The pump housing, motor shaft, and other key components are built to resist wear and corrosion, ensuring a long service life even in challenging conditions.

Compact design

The pumps are designed to fit in boreholes with a narrow diameter, making them suitable for installations in spaces where size is a constraint. This allows for flexibility in installation across different site conditions.

Advanced pumping technology

The range features advanced hydraulic systems that optimize water flow and pressure. These pumps ensure a smooth and consistent water delivery, making them suitable for both continuous and intermittent operations.

Easy installation and maintenance

The design of the Borehole Series makes both installation and maintenance straightforward. The pumps are user-friendly, with clear instructions for setup and easy-to-replace components, reducing downtime and simplifying service.

Suitable applications

Agricultural irrigation

Extracting groundwater for irrigation of crops, pastures, and other agricultural activities.

Industrial water supply

Providing water for industrial processes, including manufacturing, cooling, and washing.

Municipal water supply

Supplying drinking water or irrigation water for urban areas.

Residential use

For homes or communities relying on well water for daily needs such as drinking, bathing, and cleaning.

Water treatment and desalination

Used in water treatment plants or desalination facilities to pump water from deep wells for processing.

e-GS series

4" Borehole pumps

Higher hydraulic efficiency Borehole pumps for 4" wells that set the basis for lower operational costs. Premium efficiency pumps compliant with the ErP directive. Abrasion resistant construction combined with floating impellers ensure optimum resistance to wear (maximum permissible quantity of sand 150 g/ m³) making this one of the best pumps on the market for sand handling capabilities.

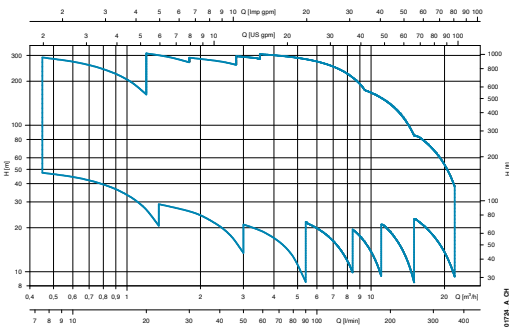
Material options

- Pump housing: AISI 304
- Impeller: Techno polymer PPO
- Elastomers: NBR
- Motors: Different voltages and frequencies and high temperature versions as options

Range Overview

- Sizes: 4"
- Power: 0.37kW up to 7.5kW
- Head up to: 340 m
- Flows up to: 21 m³/h
- Maximum immersion depth: 150m (40S motor), 300m (C4S motor), 300m (C6S motor)
- Temperature of pumped liquid: 0 °C to 35 °C
- Maximum permissible quantity of sand: 150 g/m³

Performance curve (50 Hz)



The stainless steel structure of the pump ensures high resistance to corrosion with a built in non-return valve and cable guard attachment. The upper and lower supports are made of precision-cast stainless steel. The hexagonal pump shaft guarantees an effective impeller drive.



Applications

- Water supply from drilled wells, cisterns
- Sprinkler irrigation
- Pressure boosting
- Fire-fighting

SCUBA series

5" Close-coupled borehole pumps

The new SCUBA compact close-coupled submersible pump from Xylem brings a new level of reliability and flexibility to primary water supply options for wells, tanks or reservoirs, sprinkler irrigation systems, and pressure boosting. SCUBA quiet, compact multistage pumps are high performance and corrosion resistant,

Material options

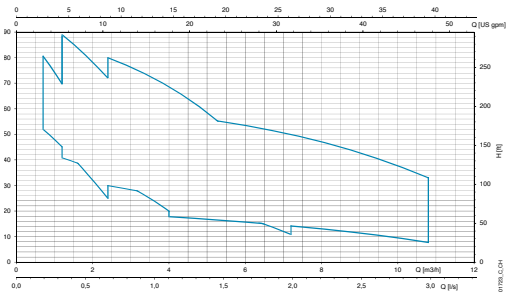
- Pump housing: AISI 304
- Impeller: Techno polymer (AISI 304 stainless steel available on request)
- Elastomers: NBR
- Motors: Different voltages and frequencies

Range Overview

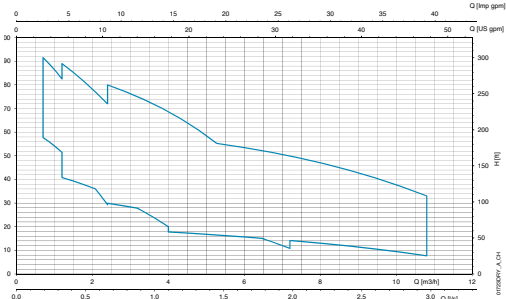
- Power: 0.55kW up to 2.2kW
- Head up to: 100 m
- Flows up to: 10.8 m³/h
- Maximum immersion depth: 17m
- Temperature of pumped liquid: 0 °C to 40 °C
- Maximum permissible quantity of sand: 25 g/m³
- Variable speed option available

Performance curve (50 Hz)

SCUBA



SCUBA DRY



and designed to help people solve mainly domestic, light commercial and agricultural water challenges. A drinking water certified version is available upon request. This makes them perfectly suited to applications like private wells or tanks for residential use, alongside the SCUBA DRY version for working outside of the well as a noiseless surface booster pump. They are also the ideal choice for irrigation, sourcing water from ponds, lakes, ditches or cisterns, as well as watering of domestic gardens or rainwater harvesting. Scuba also has light industrial use such as in car washing systems for water reuse, filtering machines or hoppers.



Applications

- Water supply from primary water supply tanks or reservoirs, 6" wells, basins and watercourses
- Sprinkler irrigation systems
- Pressure boosting with pump directly inserted in tank or well
- Rainwater harvesting
- Car washing system
- On board ship pressure boosting
- Air purification/humidification systems
- Filtration systems
- Water recycling systems
- Dry version is specific for:
 - Narrow or poorly aerated spaces
 - Basements subject to flooding risk
 - Applications which require silent functioning

Z6 (AISI 304) ZN6 (AISI 316)

6" Borehole pumps

Guaranteed maximum resistance to wear with stable, long-lasting hydraulic performance. Sturdy and lightweight with easy maintenance and resistant to corrosion. The Z6 and ZN6 6" range has a maximum permissible quantity of suspended sand 100 g/m³.

Head and motor support are manufactured in precision cast stainless steel, and impellers and diffusers are also available in either AISI 304 or AISI 316. Units have tungsten carbide shaft bearings and shaft sleeves made from stainless steel to ensure enduring reliability and efficiency.

Material options

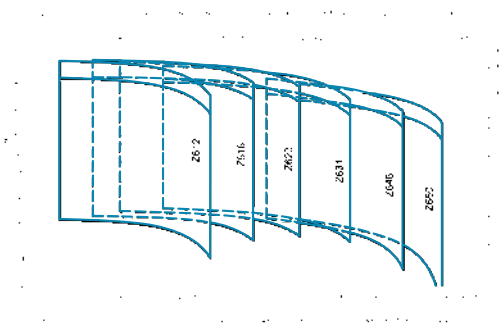
- Pump housing: AISI 304 (Z), AISI 316 (ZN)
- Impeller: AISI 304 (Z), AISI 316 (ZN)
- Elastomers: NBR
- Motors: Different voltages and frequencies and high temperature version as options

Range Overview

- Sizes: 6"
- Power: 0.55kW up to 37kW
- Head up to: 460m
- Flows up to: 78 m³/h
- Maximum immersion depth: 300m (C4S motor), 300m (C6S motor), 350m (L6W and L8W motor)
- Temperature of pumped liquid: 0 °C to 60 °C
- Maximum permissible quantity of sand: 100 g/m³



Performance curve (50 Hz)



Applications

- Water supply from deep wells
- Pressure boosting and water distribution
- Supply of surge tanks and reservoirs
- Firefighting and washing systems
- Water table level control
- Irrigation
- Mines

Z8 (AISI 304) ZN8 (AISI 316) ZR8 (Duplex)

8" Borehole pumps

Our design ensures high efficiency with low power consumption. Manufactured in investment casting stainless steel or duplex to ensure long lasting hydraulic performance even in very aggressive environments, the unique guide bearings on each stage guarantees correct shaft alignment avoids vibration issues.

The recirculation losses are also kept to a minimum to ensure high levels of efficiency. Almost every duty point between 120 m³/h and 300 m³/h has an efficiency higher than 80%.

Material options

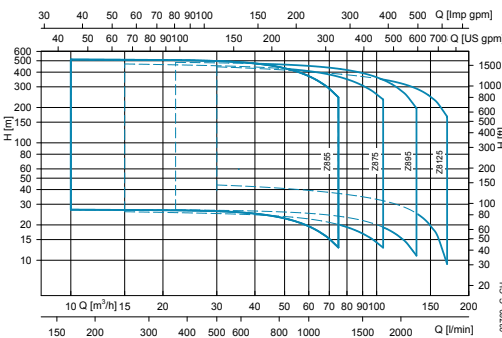
- Pump housing: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Impeller: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Elastomers: EPDM
- Motors: Different voltages and frequencies and high temperature version as options

Range Overview

- Sizes: 8"
- Power: 5.5kW up to 150kW
- Head up to: 525m
- Flows up to: 180 m³/h
- Maximum immersion depth: 300m (C6S motor), 350m (L6W and L8W motor)
- Temperature of pumped liquid: 0 °C to 35 °C
- Maximum permissible quantity of sand: 100 g/m³



Performance curve (50 Hz)



Applications

- Water supply from deep wells
- Pressure boosting and water distribution
- Supply of surge tanks and reservoirs
- Firefighting and washing systems
- Water table level control
- Irrigation
- Mines

Z10 (AISI 304) ZN10 (AISI 316) ZR10 (Duplex)

10" Borehole pumps

Our design ensures high efficiency with low power consumption. Manufactured in investment casting stainless steel or duplex to ensure long lasting hydraulic performance even in very aggressive environments, the unique guide bearings on each stage guarantees correct shaft alignment avoids vibration issues. The recirculation losses are also kept to a minimum to ensure high levels of efficiency. Almost every duty point between 120 m³/h and 300 m³/h has an efficiency higher than 80%.

Material options

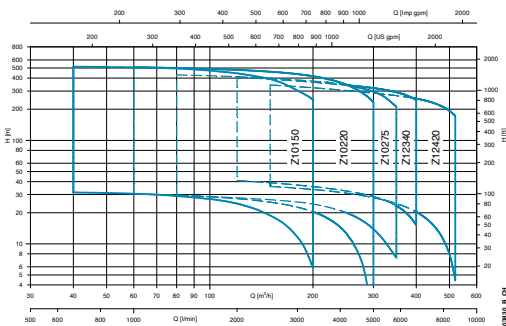
- Pump housing: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Impeller: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Elastomers: EPDM
- Motors: Different voltages and frequencies and high temperature version as options

Range Overview

- Sizes: 10"
- Power: 11kW up to 300kW
- Head up to: 545m
- Flows up to: 350 m³/h
- Maximum immersion depth: 350m (L6W, L8W, L10W and L12W motor)
- Temperature of pumped liquid: 0 °C to 35 °C
- Maximum permissible quantity of sand: 100 g/m³



Performance curve (50 Hz)



Applications

- Water supply from deep wells
- Pressure boosting and water distribution
- Supply of surge tanks and reservoirs
- Firefighting and washing systems
- Water table level control
- Irrigation
- Mines

Z12 (AISI 304) ZN12 (AISI 316) ZR12 (Duplex)

12" Borehole pumps

Our design ensures high efficiency with low power consumption. Manufactured in investment casting stainless steel or duplex to ensure long lasting hydraulic performance even in very aggressive environments, the unique guide bearings on each stage guarantees correct shaft alignment avoids vibration issues. The recirculation losses are also kept to a minimum to ensure high levels of efficiency. Almost every duty point between 120 m³/h and 300 m³/h has an efficiency higher than 80%.

Material options

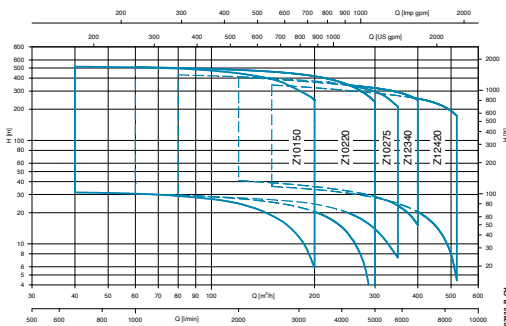
- Pump housing: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Impeller: AISI 304 (Z), AISI 316 (ZN), Duplex (ZR); Superduplex (ZX) available on request
- Elastomers: EPDM
- Motors: Different voltages and frequencies and high temperature version as options

Range Overview

- Sizes: 12"
- Power: 30kW up to 350kW
- Head up to: 450 m
- Flows up to: 520 m³/h
- Maximum immersion depth: 350m (L6W, L8W and L10W motor)
- Temperature of pumped liquid: 0 °C to 35 °C
- Maximum permissible quantity of sand: 100 g/m³



Performance curve (50 Hz)



Applications

- Water supply from deep wells
- Pressure boosting and water distribution
- Supply of surge tanks and reservoirs
- Firefighting and washing systems
- Water table level control
- Irrigation
- Mines

Motors

The Lowara portfolio offers a complete range of submersible motors suitable for any borehole pump range. For over 50 years the Lowara name has been synonymous with innovation, highly efficient design, quality and reliability. We offers both canned and rewindable versions from 4" to 12", power from 0.37kW to 400kW with different voltages and/or frequencies both in single or three phase. The choice of materials and the robust design ensures optimum operating performance and ease of installation.



40S 4"

Submersible motor (rewindable) with removable watertight supply cable fitting.
Submersible liquid cooled motor with rewindable stator, motor cooling fluid suitable for use with foodstuffs; complies with the FDA.

- Versions**
Single phase: 0.37kW to 4kW
Three phase: 0.37kW to 5.5kW
Three phase: 0.37kW to 7.5kW (380-415 V, 50Hz)
Max water temp: 35 °C
IP rating: IP68
- Optional features** Special voltages



L6W 6"

Submersible motor (rewindable) with removable watertight supply cable fitting.

- Versions**
Three phase: 4kW to 37kW (380-415 V, 50Hz)
Max water temp: 30 °C
IP rating: IP68
Special versions: L6WN all 316 stainless steel, L6WR all duplex, HT series for applications up to 60 °C
- Optional features** Special voltages, inverter applications, silicon carbide mechanical seal, temperature sensor (PT 100 / PTC)



L8W 8"

Submersible motor (rewindable) with removable watertight supply cable fitting.

- Versions**
Three phase: 30kW to 93kW (380-415 V, 50Hz)
Max water temp: 30 °C
IP rating: IP68
Special versions: L8WN all 316 stainless steel, L8WR all duplex, HT series for applications up to 60 °C
- Optional features** Special voltages, inverter applications, silicon carbide mechanical seal, temperature sensor (PT 100 / PTC)



C4S 4"

Submersible canned motor with removable watertight supply cable fitting.
Stainless steel outer sleeve with high starting torque ensuring optimum operating performances, superior quality, reliability and easy installation.

- Versions**
Single phase: 0.37kW to 2.2kW
Single phase: with built in electronic starter 0.37kW to 1.1kW
Three phase: 0.37kW to 5.5kW (220-240 V, 50Hz)
Three phase: 0.37kW to 7.5kW (380-415 V, 50Hz)
Max water temp: 35 °C
IP rating: IP68

Optional features Special voltages



C6S 6"

Submersible canned motor with removable watertight supply cable fitting.

- Versions**
Three phase: 4kW to 37kW (380-415 V, 50Hz)
Three phase: 4kW to 37kW STAR-DELTA (400/690 V, 50Hz)
Max water temp: 35 °C
IP rating: IP68
Silicon carbide mechanical seal
- Optional features** Special voltages



L10W 10"

Submersible motor (rewindable) with removable watertight supply cable fitting.

- Versions**
Three phase: 93kW to 150kW (380-415 V, 50Hz)
Max water temp: 30 °C
IP rating: IP68
Special versions: L10WN all 316 stainless steel, L10WR all duplex, HT series for applications up to 60 °C
- Optional features** Special voltages, inverter applications, silicon carbide mechanical seal, temperature sensor (PT 100 / PTC)



L12W 12"

Submersible motor (rewindable) with removable watertight supply cable fitting.

- Versions**
Three phase: 185kW to 300kW (380-415 V, 50Hz)
Max water temp: 30 °C
IP rating: IP68
Special versions: L12WN all 316 stainless steel, L12WR all duplex, HT series for applications up to 60 °C
- Optional features** Special voltages, inverter applications, silicon carbide mechanical seal, temperature sensor (PT 100 / PTC)

Our wide range of control panels, accessories

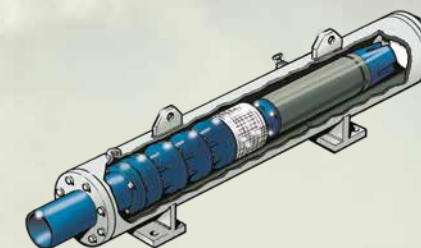
The Lowara borehole pump range offers not only high-performance pumps but also a comprehensive selection of control panels, accessories, and optional materials to meet diverse application needs. Our products are designed to ensure reliability, efficiency, and ease of use.

- Control panels
- Level control panels
- Level probes
- Varistor for overvoltage
- Temperature sensor PT 100 / PTC.
- Drop cables
- Coupling flange.
- Cooling sleeve.
- Pressure switches
- Pressure gauges
- 5 way connector
- Flexible connector
- Float switches
- Non return valves
- Filters
- Expansion vessels
- Cable
- Cable jointing kits

For more details

For more detailed technical information, visit our website: www.lowara.com

Our extensive range of control panels, accessories, and optional materials ensures that you have everything you need for a complete and efficient borehole pump system. Trust Xylem for quality, innovation, and performance.



Cooling Shrouds

Cooling pump shrouds are installed over the body of the pump and motor so that the water flows past the motor and is sufficient to achieve adequate cooling.

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

For more information on how Xylem can help you, go to www.xylem.com