xylem

Lowara Borehole Series

Keeping Mines Dry with Reliable, Adaptable Dewatering Solutions



Xylem Lowara, a global leader in water technology

Founded in 1968 and based in Montecchio Maggiore, near Vicenza in Italy, Xylem Lowara has been serving customers and users of hydraulic pumps in various sectors for almost 60 years. In 1986 Xylem 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. Lowara invests economic, human and technological resources in training and research in order to ensure continuous improvements of its products and processes.

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



Reliable water management with Lowara borehole pumps

Engineered for demanding mining environments, Xylem's Lowara Borehole Pump Range delivers reliable, efficient performance where iron bacteria and high sand content challenge conventional pumping systems. Backed by proven technology and local expertise, Lowara pumps help maximise durability, operational efficiency, and uptime across your operation.

The borehole pump range from 4" to 12" offer flows up to 520 m^3/h and head up to 546 m

Precision investment-cast stainless steel wet ends & corrosion-proof POM-C dynamic wear rings deliver higher efficiency, reliability, and long service life



Investment cast manufacturing for 8" pumps & above.



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/m^3.

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

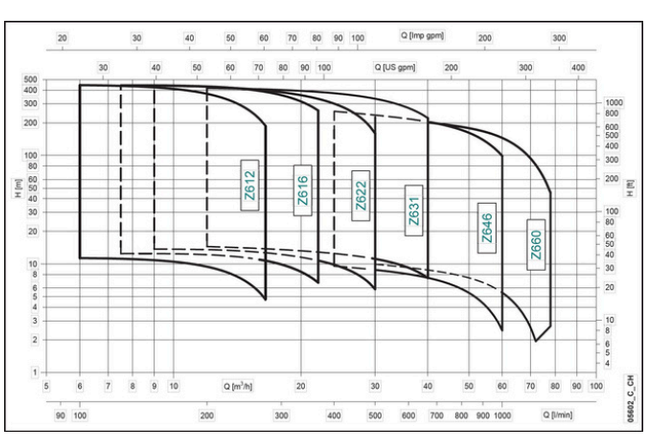
- Pump housing: AISI 304 (Z), AISI 316 (ZN)
- Impeller: AISI 304 (Z), AISI 316 (ZN)
- Elastomers: NBR

Range Overview

- Sizes: 6”
- Power: 0.55kW up to 37kW
- Head up to: 460m
- Flows up to: 78 m^{3}h
- Motors: Different voltages and frequencies and high temperature version as options
- 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
- Local assembly available for Z & ZN models



Performance curve (50 Hz)



Pump Design Options

- Derated High Temp motors for shroudless operations
- Motor centralisers or cooling shrouds
- Enhanced crevice corrosion protection
- PT100 with screened cable
- Horizontal or inclined installation

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

8” Borehole pumps

Our design ensures high efficiency with low power consumption.
Manufactured in investment cast 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 to avoid vibration issues.

Precision design and dynamic wear rings ensure that recirculation losses are kept to a minimum, resulting in high levels of efficiency throughout the life of the pump.



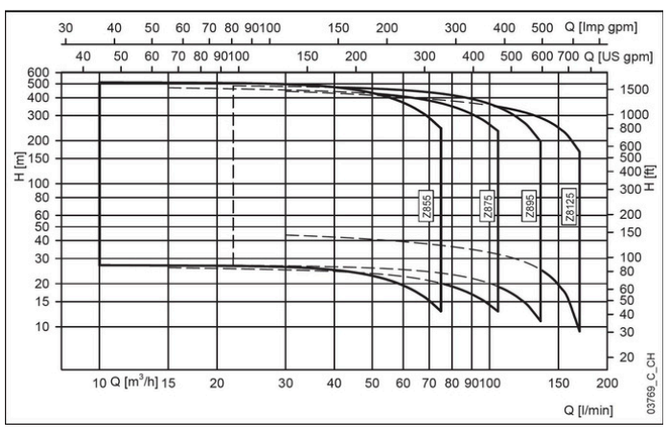
Material options

- 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 or NBR

Range Overview

- Sizes: 8”
- Power: 5.5kW up to 150kW
- Head up to: 525m
- Flows up to: 180 m^3/h
- Motors: Different voltages and frequencies and high temperature version as options
- Maximum immersion depth: 300m (C6S motor,) 350m (L6W and L8W motor)
- Temperature of pumped liquid: 0 °C to 60 °C
- Maximum permissible quantity of sand: 100 g/m^3
- Local assembly available for Z, ZN & ZR models

Performance curve (50 Hz)



Pump Design Options

- Derated High Temp motors for shroudless operations
- Sacrificial Zinc Anodes
- Motor centralisers or cooling shrouds
- Enhanced crevice corrosion protection
- PT100 with screened cable
- Horizontal or inclined installation

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

10” Borehole pumps

Our design ensures high efficiency with low power consumption. Manufactured in investment cast 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 to avoid vibration issues. The recirculation losses are also kept to a minimum to ensure high levels of efficiency. Almost every duty point between 120 m^3/h and 300 m^3/h has an efficiency higher than 80%.



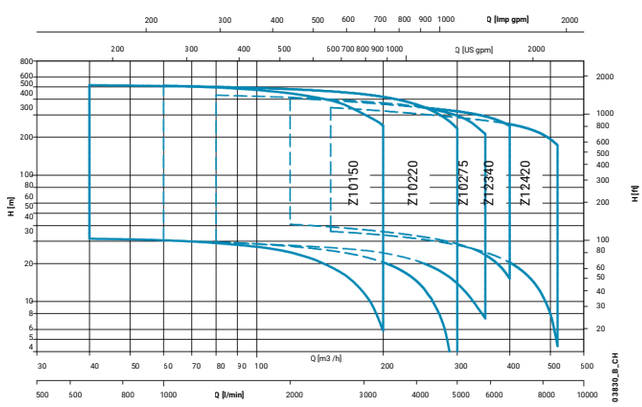
Material options

- 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 or NBR

Range Overview

- Sizes: 10”
- Power: 11kW up to 300kW
- Head up to: 545m
- Flows up to: 350 m^3/h
- Motors: Different voltages and frequencies and high temperature version as options
- Maximum immersion depth: 350m (L6W, L8W, L10W and L12W motor)
- Temperature of pumped liquid: 0 °C to 60 °C
- Maximum permissible quantity of sand: 100 g/m^3
- Local assembly available for Z, ZN & ZR models

Performance curve (50 Hz)



Pump Design Options

- Derated High Temp motors for shroudless operations
- Sacrificial Zinc Anodes
- Motor centralisers or cooling shrouds
- Enhanced crevice corrosion protection
- PT100 with screened cable
- Horizontal or inclined installation

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

12” Borehole pumps

Our design ensures high efficiency with low power consumption. Manufactured in investment cast 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 to avoid vibration issues. The recirculation losses are also kept to a minimum to ensure high levels of efficiency.



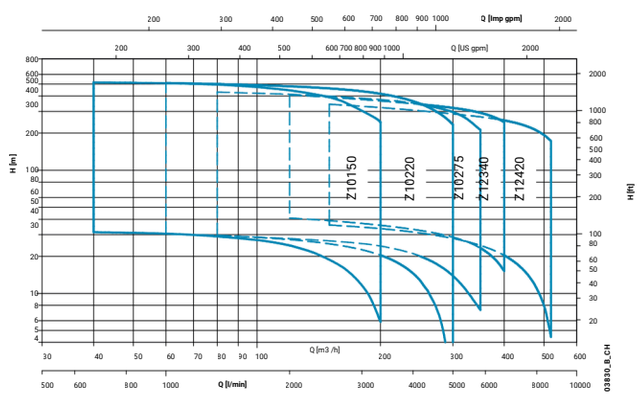
Material options

- 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 or NBR

Range Overview

- Sizes: 12”
- Power: 30kW up to 350kW
- Head up to: 450 m
- Flows up to: 520 m^3/h
- Motors: Different voltages and frequencies and high temperature version as options
- Maximum immersion depth: 350m (L6W, L8W and L10W motor)
- Temperature of pumped liquid: 0 °C to 60 °C
- Maximum permissible quantity of sand: 100 g/m^3

Performance curve (50 Hz)



Pump Design Options

- Derated High Temp motors for shroudless operations
- Sacrificial Zinc Anodes
- Motor centralisers or cooling shrouds
- Enhanced crevice corrosion protection
- PT100 with screened cable
- Horizontal or inclined installation

High Temperature Motors

The Lowara portfolio offers a complete range of High Temperature (HT) submersible motors suitable for any borehole pump range. We offer encapsulated motors in 4” & 6” and rewindable models from 4” to 12” in power sizes from 0.37kW to 300kW. Alternative single & three phase voltage options along with specialised motor versions are available upon request to suit any site requirements.

The choice of materials and the robust design ensures optimum operating performance and ease of installation.



L6W HT 6”

Submersible motor (rewindable)

Versions

- Three phase: 4kW to 37kW (380-415 V, 50Hz)
- Max water temp: 45 °C
- Silicon carbide mechanical seal
- IP rating: IP68
- Special versions: L6WN all 316 stainless steel, L6WR all duplex, HT series for applications up to 60 °C with derating

Optional features

Special voltages, inverter applications, temperature sensor (PT 100 / PTC)



L8W HT 8”

Submersible motor (rewindable)

Versions

- Three phase: 30kW to 110kW (380-415 V, 50Hz)
- Max water temp: 45 °C
- Silicon carbide mechanical seal
- IP rating: IP68
- Special versions: L8WN all 316 stainless steel, L8WR all duplex, HT series for applications up to 60 °C with derating

Optional features

Special voltages, inverter applications, temperature sensor (PT 100 / PTC)



L10W HT 10”

Submersible motor (rewindable)

Versions

- Three phase: 93kW to 130kW (380-415 V, 50Hz)
- Max water temp: 45 °C
- Silicon carbide mechanical seal
- IP rating: IP68
- Special versions: L10WN all 316 stainless steel, L10WR all duplex, HT series for applications up to 60 °C with derating

Optional features

Special voltages, inverter applications, temperature sensor (PT 100 / PTC)



L12W 12”

Submersible motor (rewindable)

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 with derating

Optional features

Special voltages, inverter applications, silicon carbide mechanical seal, temperature sensor (PT 100 / PTC)





Z-Series Local Assembly & Testing

With a strong network across Australia and New Zealand, Xylem delivers local expertise, responsive support, and fast turnaround times. Each pump is expertly assembled and tested to maximise reliability in harsh, abrasive, and corrosive applications. Our pumps are locally assembled and stocked at Xylem's state-of-the-art Kemps Creek, NSW facility, with a wide range of sizes and materials available to suit your application.



Solver - Selection software

Find the best solution for your water needs

Xylem Solver is our new digital Select / Configure / Price / Quote (SCPQ) application that helps you easily solve your problem by finding the best solution from across Xylem's diverse product portfolio.



A suite of capabilities designed to enhance your experience

- Easily navigate through hundreds of applicable search results
- Compare up to four products side by side
- Personalize selection screens to meet your needs
- Ensure error-free configuration based on product engineering commercial rules
- Save selected products to projects
- Share your projects and collaborate within the application
- Build complete solutions by finding product-related accessories
- Create relevant output documents by customizing the content

Genuine Lowara parts and spares

The Xylem commitment to long-term reliability means that we supply spares for Lowara pumps and products years after they are out of production. Xylem Lowara components are carefully developed and selected to maximize the performance of your Lowara products. In order not to risk the performance of your Lowara product and the entire pump system, be sure to use only genuine Lowara spare parts.

The SPARK tool is our Lowara spare part finder to help you identify the specific part you need. It's easy to use; simply enter the product code indicated on the product name plate and the correct spare part list will be displayed. It is also possible to search by whole or partial product description or product type.

spark.xylem.com/



The best products are only half the reason to work with us.

Our people make the difference

Industrial-strength thinking helps us engineer, design and manufacture the highest quality pumps and related equipment. But that's not all. We apply the same dedication and expertise to every aspect of our relationship with you. Our people – and how they partner with you – are what makes Xylem the right choice for your industrial water and fluid management solutions.

Our expertise solves the challenge

Nobody spends more time thinking about industrial water and fluid management. With hundreds of thousands of customers and millions of installations, we have more experience across more types of challenges, and can design solutions that provide more value today and tomorrow.

Aftermarket & Service

To provide fast and reliable maintenance and repairs of our Xylem products in all kinds of industries everywhere in the world, we have established a network of authorized, local service providers. We are pleased to recommend our professional and experienced Xylem Authorized Service Partners.

When you go to a Xylem Authorized Service Partner you can be sure to receive qualified, high-quality service.

Our partners are trained and certified to provide Xylem specified services, including the following:

- Installation & Commissioning
- Repair & Maintenance
- Maintenance Agreements
- Inspection & Auditing
- Plant and equipment upgrades/refurbishments
- Genuine Spare Parts



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

xylem.com xylem.com/lowara

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05-2026

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Let’s Solve Water