

360°
PERFORMANCE



**ADAPTABLE
DURABLE
QUIET**

Flygt Bibo^α

THE NEXT GENERATION OF DEWATERING PUMPS

A photograph of three miners in a dark tunnel. They are wearing high-visibility yellow-green jackets with reflective stripes, dark blue trousers, and hard hats (yellow, orange, and red). The miner on the left is wearing a communication system. They are standing in front of a rough, rocky wall. To the right, a large, shiny, curved metal pipe or tunnel structure is visible, illuminated by a bright light source at the end of the tunnel.

Bibo^α and the vision of an autonomous mine

A global leader in automated and sustainable mining, New Boliden generates over 5.5 billion USD in annual revenues from its extraction of zinc, copper, lead, gold, silver, and tellurium.

In any mining application, dewatering is a vital process that ensures resources can be mined efficiently and effectively.

In order to improve overall mine productivity through advanced automated solutions, New Boliden partnered with Xylem to test a solution that would complement its wider automation program and improve efficiencies at its Renström mine site. New Boliden saw Bibo^α's advanced technology as the pump to support a fully autonomous mine.

After three years of field testing at Renström, Flygt Bibo^α's integrated intelligence reduced product and repair costs by as much as 40%. As a result, Bibo^α has become an important part of New Boliden's smart dewatering solutions and the vision of the autonomous mine.

"The installation of the first Flygt Bibo^α pumps at Renström brought a significant change to the way we approach traditional dewatering practices due to the pump's ability to utilize intelligence beyond standard solutions. For the first time, we had access to a pumping system that could automatically adapt to its environment, working only to accommodate real-time conditions in the field. This was a game-changer for us as it optimized pumping performance without the need for hands on intervention, allowing our mining processes to continue without interruption."

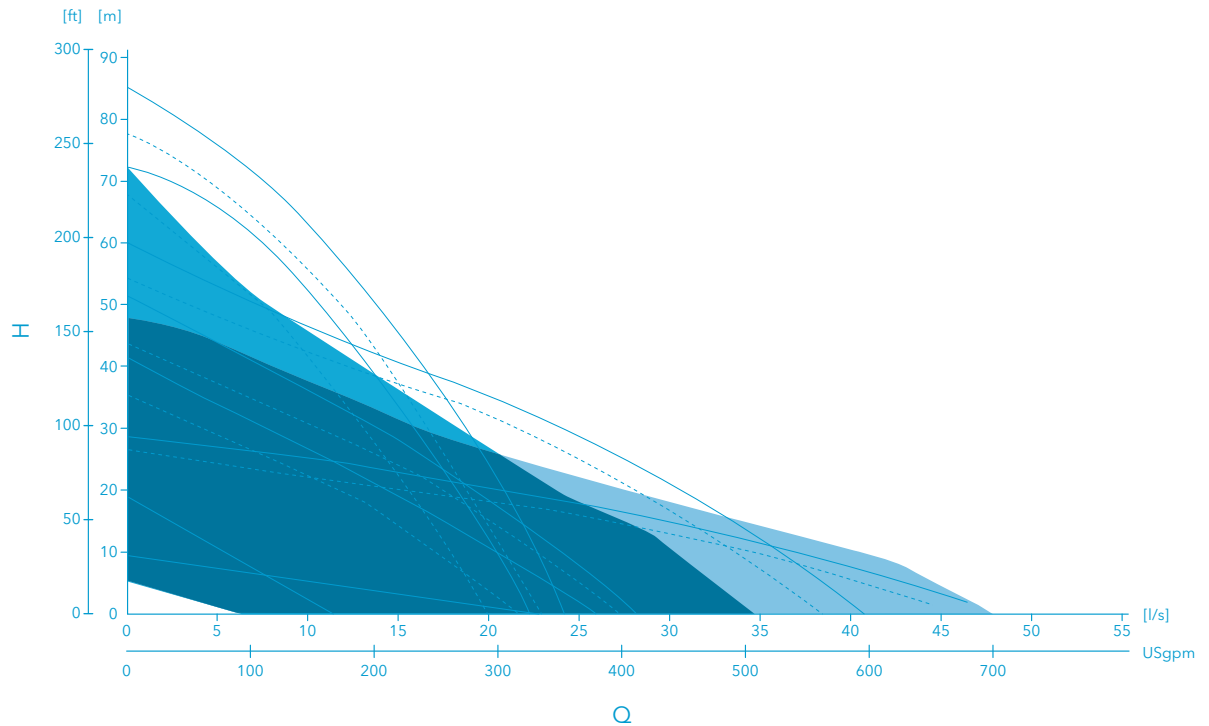
Mats Isaksson Senior Development Engineer, New Boliden



Flexible and Efficient

The Innovative technology creates the future standard of flexibility.

With built-in intelligence Bibo[®] will cover a range of traditional drainage pumps since it adapts speed and performance in a field instead of a static curve.**



Reliable and Robust

Extremely robust, compact and easy to use.

Plug and play with no configurations needed.

Robust design ensures uninterrupted pumping in any dewatering operation.

Reduced wear up to 70%*:

- › Adapting speed to prevent snoring and dry running
- › Always run in the right direction

Reliable performance through built-in motor protections, including:

- › Amperage
- › Temperatures
- › Phase loss and imbalance
- › Over / under voltage
- › Soft start and stop

* Compared to Flygt 2600 and 2800 series.

** Lines represent the performance curve of various traditional pumps. Solid color demonstrates the Bibo's performance field.



Improved Performance

This compact 8kW pump delivers QH-performance from a 2kW up to 10kW pumps and last up to 4x longer than a traditional dewatering pump.



Improved Asset Management

Reduced inventory due to:

- › **30% fewer parts*** than traditional pumps
- › Since the pump covers a QH-field it enables standardization to fewer pump sizes



Improved Life Cycle Cost

- › Increases **time between service** and decreases **maintenance cost** by up to 50%*
- › Reduces **energy consumption** by up to 60%* since always operating at best efficiency point



Improved Design

Integrated Control System

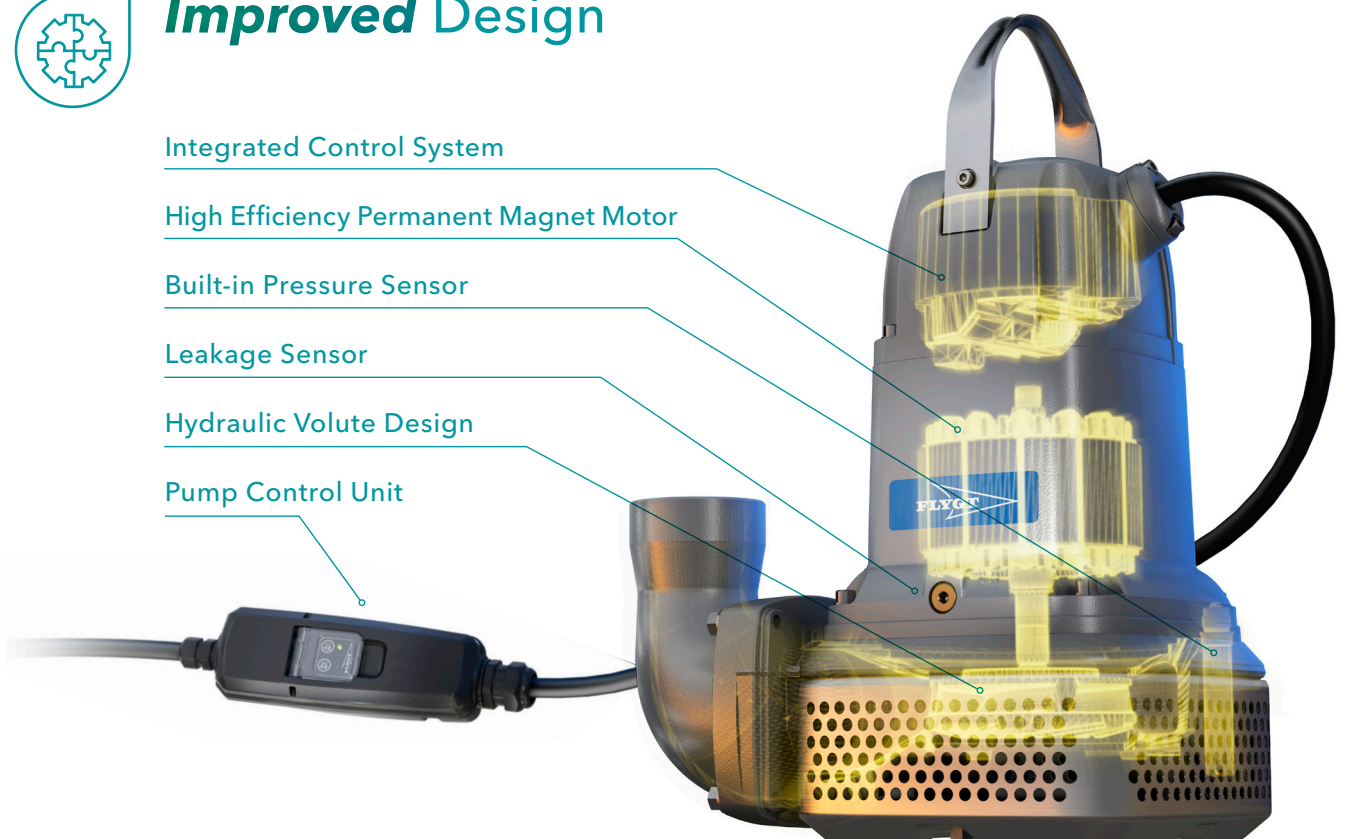
High Efficiency Permanent Magnet Motor

Built-in Pressure Sensor

Leakage Sensor

Hydraulic Volute Design

Pump Control Unit



Welcome to the future of dewatering pumps.

Flygt Bibo^α offers you increased savings opportunities through:

Innovation

Game changing technology pioneers the next generation of drainage pumps

Performance Field

Expand performance beyond a static QH curve

Reduced Wear

Adapt speed to any need, no snoring or dry running

Reliability and Robustness

Compact design out-performs traditional drainage pumps

Improved Performance

Enhanced flexibility and easy to use

α

Alpha | al-fuh |

(Noun, Greek)

1 The first; beginning.

(Adjective, Greek)

1 Having the highest rank in a dominance hierarchy.

2 Being the most dominant, powerful, or assertive of a particular group.

Xylem | 'zīləm|

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

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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

JOHANNESBURG

TEL: +27 11 966 9300
Email: sales.za@xylem.com
Plumbago Business Park,
3A Spier Street, Glen Erasmia,
Kempton Park, South Africa

CAPE TOWN

TEL: +27 21 561 6003
Email: sales.za@xylem.com
3 Ruby Road,
North Precinct, Montague Park,
Cape Town, South Africa

RUSTENBURG

TEL: +27 14 596 9680
Email: sales.za@xylem.com
Unit 12 Seganka Industrial Park,
89 Ridder Str Rustenburg Industria,
North West Province, South Africa

ALGERIA

TEL: +213 36 47 96 84
Email: sales.dz@xylem.com
B.P. 02 Route de Batna,
El-Eulma- Wilaya de Sétif

COTE D'IVOIRE

TEL: +225 07 69 20 09 00
Email: sales.ci@xylem.com
XL Building
Corner of Dr Crozet Street and
Boulevard De La Republique, Plateau
Abidjan, Ivory Coast

EGYPT

TEL: +20 2 2503 2800
Email: sales.eg@xylem.com
47 Building, North 90 Street,
New Cairo, Egypt

Egypt Manufacturing

10th of Ramadan City, Industrial Area
A4, Block No. 141, Egypt

KENYA

TEL: +254 743 097 008
Email: sales.ke@xylem.com
Garden City Business Park,
Office Block A, 1st floor, Unit 1-A02

MOROCCO

TEL: +212 5377 49943
Email: sales.mr@xylem.com
Immeuble Horizon, Mandorana 300,
Lot.9 5ème étage, 20000 Sidi, Maarouf
Casablanca

NIGERIA

TEL: +234 803 570 0974
Email: sales.ng@xylem.com



xylem.com

xylem
Let's Solve Water