

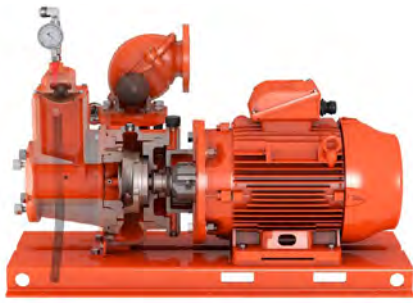


# The Godwin Rig Pump

A RIG-MOUNTED DEWATERING PUMP FOR SAFE, EFFICIENT DEWATERING

# SAFE DEWATERING FOR HARSH CONDITIONS

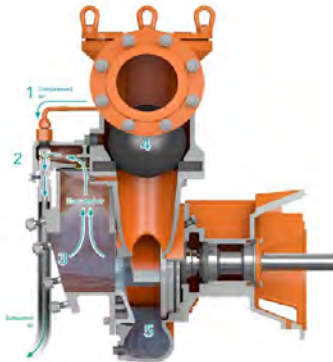
Featuring our Godwin Dri-Prime and Flygt non-clog N-impeller technology



At Xylem, we have been helping companies efficiently dewater sites for over 100 years. We're proud to launch the Godwin Rig Pump, designed to take operational efficiency and safety even further.

## Solving challenges - Reduced wear, increased efficiency

Xylem's Godwin Rig Pump solves some of the toughest dewatering challenges in mining by seamlessly integrating with drilling rigs and using state-of-the-art technology. The rig pump lasts up to five times longer than traditional submersible dewatering pumps.

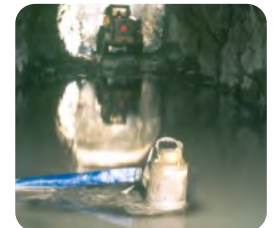


When traditional electrical submersible pumps are used for dewatering mines, they can clog due to shotcrete and wear out due to solids in the water, the pumps can also be left snoring. In addition, mine operators must deal with trailing power cables connecting pumps and must manually move the submersible pumps.

These challenges are solved as the Godwin Rig Pump comes with our famous Dri-Prime self-priming system. By being able to operate in intermittent flows, the rig pump avoids the high wear caused by snoring and has the unique ability to run dry indefinitely.

The rig pump also comes with our leading hard-iron Flygt NC non-clog impeller, enabling it to handle troublesome shotcrete fibers. By avoiding clogging and abrasions, the rig pump helps increase efficiency and uptime. Several different types of pumps can be integrated with the drilling rig to meet your mining conditions and needs.

## Traditional Face Dewatering



Drilling rig operators and miners are forced to manually move submersible pumps around the face to dewater the area as well as avoid damage from drill rig movements and rock fall.

## Rig Pump Dewatering



The pump is mounted and installed to the drilling rig, which eliminates the safety hazard of pump trailing power cables. Reduces operator and asset exposure at the mine face and allows operator to operate the pump from the safety of the drill rig.

# Godwin Rig Pump Operation - Simplicity and Safety

By directly integrating with drilling rigs, the Godwin Rig Pump removes the safety hazard of trailing power cables and allows the operator to operate the pump safely from the rig's cabin. The rig pump also eliminates the need to move submersible pumps, reducing the risks associated with manual handling.



**Pan Strainer**

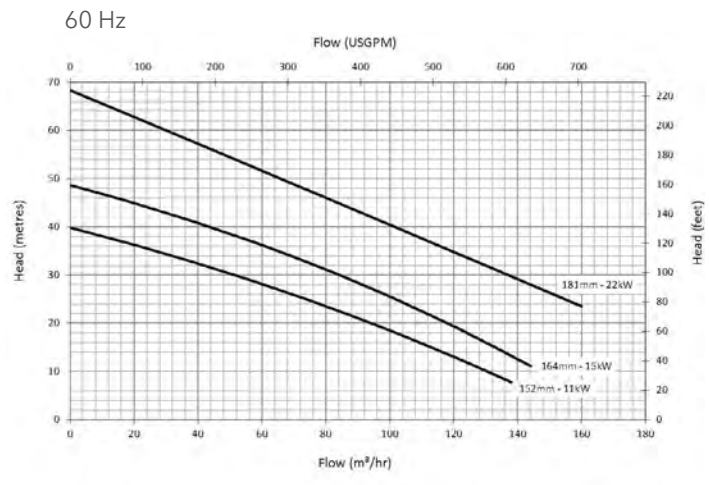
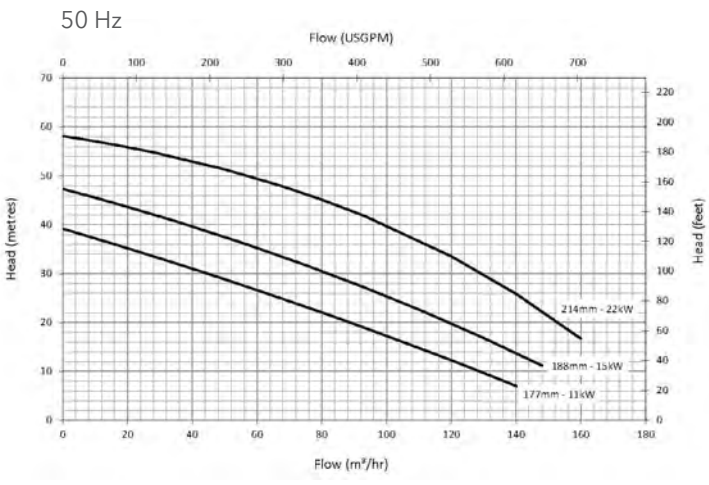
- Suction line and pan strainer
- Self-priming from the drill face
- Pump and people safely away from most hazardous areas
- Light and easy to move

- Cabin operated
- Power on/off switch in cabin
- Air operated on / off valve on frame
- Operator controlling from safety of drill rig

- No trailing power cables on pump
- Self-priming from the drill face
- Pump and people safely away from the most hazardous areas

## Performance Curve

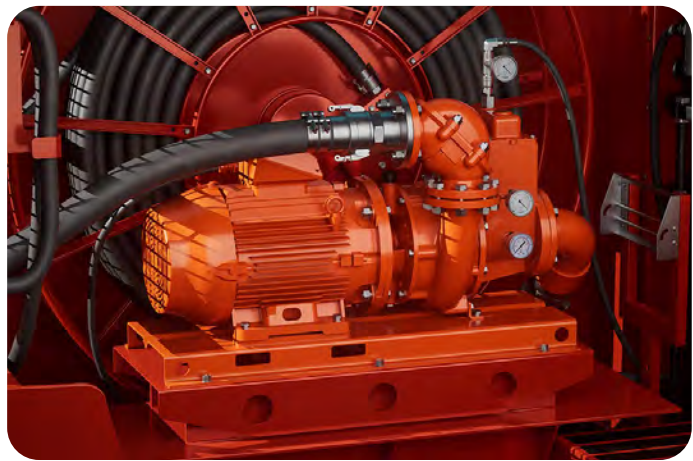
Pump curve is based on 1m (3.3 ft) dynamic suction lift.



## Specifications

|                              |                               |
|------------------------------|-------------------------------|
| <b>Suction connection</b>    | 100mm (4in) flange            |
| <b>Delivery connection</b>   | 80mm (3in) flange             |
| <b>Max capacity</b>          | 160 m³/hr (44l/s) (705 USGPM) |
| <b>Max impeller diameter</b> | 214 mm                        |
| <b>Max operating temp</b>    | 80°C (176°F)                  |
| <b>Max pressure</b>          | 7 Bar (101 psi)               |
| <b>Max suction pressure</b>  | 2.8 Bar (40 psi)              |
| <b>Max casing pressure</b>   | 10.5 Bar (152 psi)            |
| <b>Max operating speed</b>   | 3560 rpm                      |

- Please contact our sales and product support for applications in excess of 80°C (176°F).
- See overview of duty and performance in curve sheet.



# 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](http://www.xylem.com)**



Xylem Water Services Ltd,  
[www.xylem.com/godwin](http://www.xylem.com/godwin)

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