xylem
Let's Solve Water

Dri-Prime Backup System

PUMP STATION STANDBY PUMPING AND POWER IN ONE PACKAGE

godwin
a xylem brand

The Godwin Dri-Prime Backup System (DBS™) provides peace-of-mind as the ideal contingency plan for pump stations.

The DBS provides independently-powered backup pumping in one dependable package for a variety of emergency situations. It is ideal for areas prone to hurricanes, heavy rain or snowmelt.

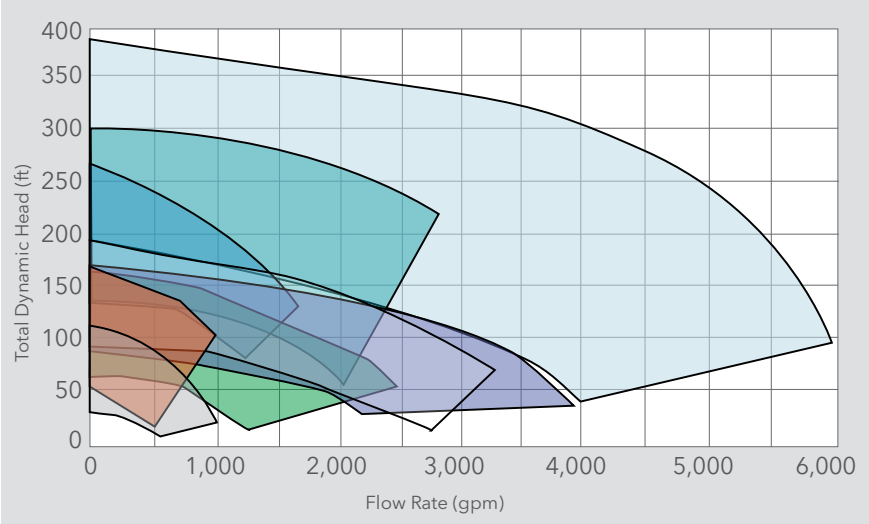
The Dri-Prime Backup System is engaged during loss of primary power (whether from a scheduled outage or natural disaster) or switch gear failure. It is also used during routine pump maintenance or unexpected pump failure.

DBS: Backup pumping instead of backup power

- 100% pump station redundancy (Capacity and head)
- Automatic pump priming without operator assistance
- Optional Flygt N-technology, for sustained efficiency while handling stringy material
- Automated control system assures cost efficient running
- Sound attenuation enclosure for quiet operation
- Flexible fuel options to meet your needs: diesel, natural gas (including propane) or LP vapor
- Cold weather package for use in freezing conditions
- Allows for routine pump maintenance on existing equipment, ensuring continuous pumping operation.

DBS Basic Pump Performance Field

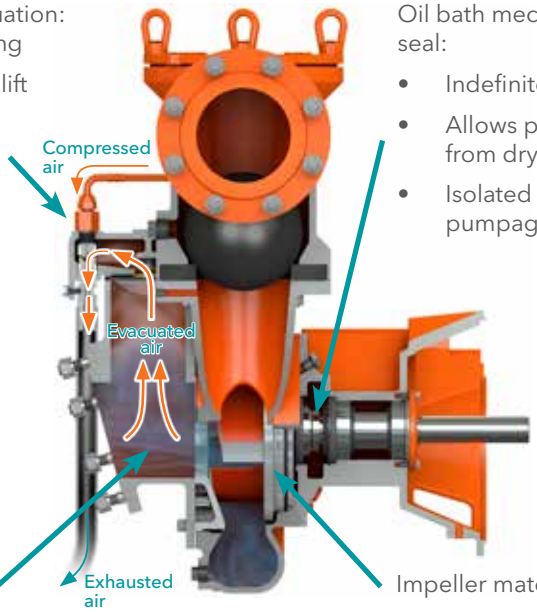
Sample of pump line: 3" to 8"



DBS Dri-Prime Backup System Automatic priming without operator assistance

Venturi air evacuation: automatic priming

- 28' of static lift
- Continuous operation
- Automatic re-prime



Oil bath mechanical seal:

- Indefinite dry-running
- Allows pump to prime from dry
- Isolated from pumpage

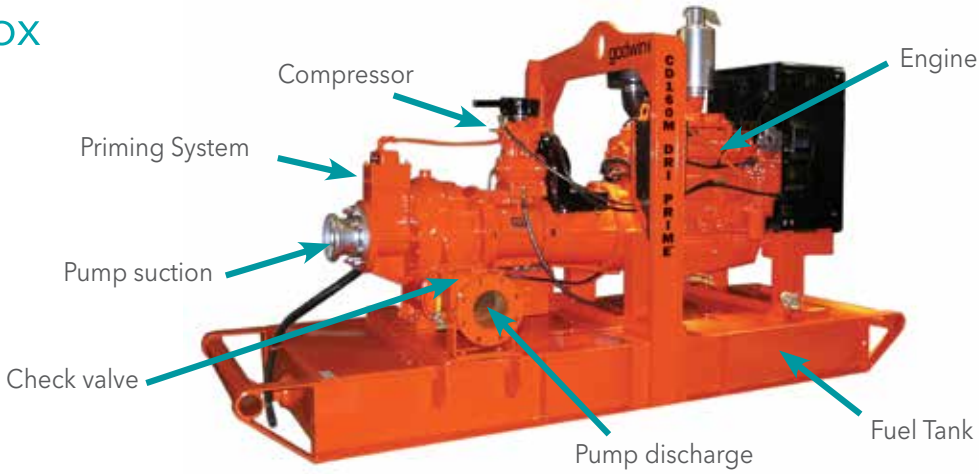
Straight line:

- Improved flow pattern
- Better solids handling – with CD-impeller
- Sustained pump efficiency – with N-impeller

Impeller materials:

- Cast chromium steel
- Stainless Steal CD4MCu
- Stainless Steal #316
- Hard Iron™

What's Inside the Box



Comparing a DBS pump station to a standby generator

DBS Features

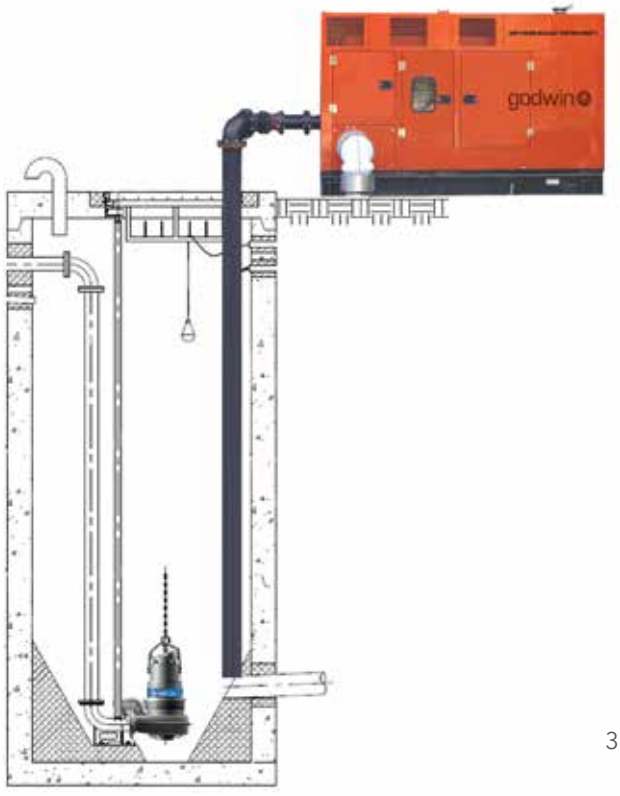
- Continuous pumping despite loss of power, switch gear or failure of lift station submersible pumps
- Ability to function as primary pump during lift station pump maintenance
- Available in sizes 3" to 24" with flows to 15,000 gpm and discharge heads to 600 feet
- PrimeGuard digital control panel allowing seamless interface to existing control systems for remote monitoring and control
- Optional sound-attenuating enclosure reducing sound levels as low as 64 to 69 dBA at 30 feet
- Hinged locking doors providing access to operating controls and service locations

Backup Generator vs. DBS

Possible Malfunction	Pump Station w/ Generator	Pump Station w/ DBS
Loss of Utility Power	✔	✔
Transfer Switch	----	✔
Control Panel Failure	----	✔
Automatic Control	----	✔
Existing Pumps	----	✔

Flygt Submersible + DBS = Xylem Total Pump Station Solution

- 100% Redundancy
- Flygt N-technology
- Redundant level controls
- SCADA interface capability



godwin FLYGT

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

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Let's Solve Water

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