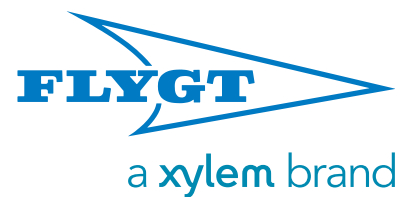




# The Flygt Product Portfolio

A FULLY INTEGRATED MULTI-MARKETPLACE SOLUTION



# Flygt N-Pumps

## Transport Pumping Market

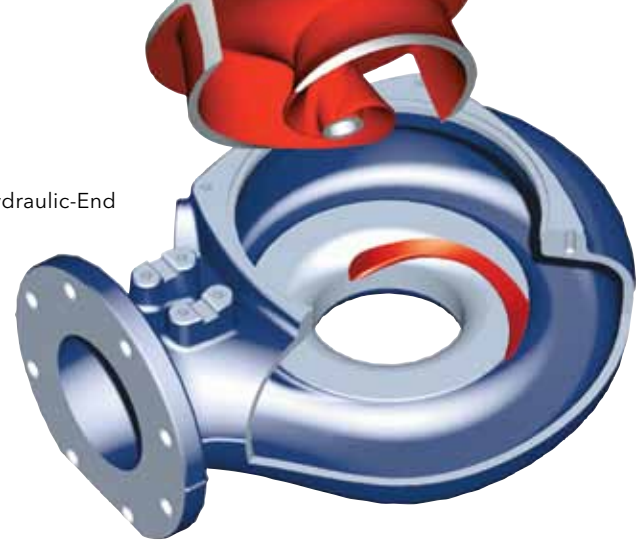
The Flygt N-Pump's revolutionary, patented self-cleaning impeller design provides a flow path through the pump, greatly reducing the risk of clogging, and makes the N-Pump series an ideal solution for high-efficiency pumping over long duty periods. That means lower overall energy consumption: a significant factor in reducing the whole life cost of your pumping operation.

Flygt products deliver outstanding, cost-effective performance that has been proven in applications such as:

- Wastewater
- Raw water
- Cooling water
- Sludge
- Storm water
- Industrial effluent



Submersible N-Pump



N Hydraulic-End

### Sustained High Efficiency

When solid objects, such as stringy fibrous material and modern trash, enter the inlet of a conventional pump, they tend to get caught on the leading edges of the impeller vanes. This build-up reduces the impeller's efficiency, resulting in increased power consumption that, in turn, translates to increased energy costs.

As solids continue to build-up inside the impeller, hydraulic efficiency continues to decrease and motor thermal protection can trip causing the pump to stop. This leads to costly unplanned service calls.

The high efficiency of the Flygt N-Pump is sustained over time due to its self-cleaning ability, keeping energy costs to a minimum.

### Flexible and Modular Design

Flygt N-Technology enables you to tailor the hydraulics to meet the requirements of virtually any application. Choose the hardened cast iron version for typical wastewater applications, the Hard-Iron™ version for abrasive and corrosive applications, and the chopper ring version for cutting long fibers or solids in wastewater. Whatever you choose, you never sacrifice pump efficiency and you can easily swap the N-Pump's modular hydraulic-end to fit your operating conditions.

Flygt N-Pumps take on the toughest applications and get the job done. Every component is designed and manufactured to deliver sustained high efficiency. Thanks to patented N-Technology with its innovative self-cleaning impeller, Flygt N-Pumps deliver the highest total efficiency while lowering your energy bill and reducing unplanned maintenance costs. That adds up to total peace of mind - and big savings over the long term.

## Flygt Mixers Treatment Market

Xylem invented submersible mixers in 1958 and introduced them to the treatment market in 1977, truly revolutionizing the industry. Since then, these remarkable machines have proven themselves over and over in a multitude of different applications. Flygt submersible mixers provide reliability, efficiency and flexibility of operation. They are an excellent choice for use in a variety of municipal and industrial applications.

### Mixing Freedom

The compact design of the Flygt submersible mixer gives it an unparalleled degree of freedom to be positioned, allowing the jet to be directed for optimum effectiveness. Free to travel up and down a vertical guide rail, it is easily installed and adjusted to any tank depth. Thanks to the unique adjustable mounting, it can be directed up or down, left or right, precisely where it's needed the most.



High Speed Submersible Mixer



Slow Speed Submersible Mixer

## Flygt Nonsubmersible Pumps Treatment Market

We offer an outstanding selection of dry-pit pumps. In fact, our Flygt A-C Series pumps set extraordinary standards for quality and performance in wastewater treatment plants everywhere. What makes our A-C Series pumps so special? Its advantages start with the exclusive EQUISEAL™. It seals dynamically by opposing discharge pressure, thus eliminating the need for costly mechanical seals. EQUISEAL means a seal flush isn't required - so users enjoy big savings on water and on re-treatment costs, which are rendered unnecessary.

Also, no metal-to-metal rubbing parts and no critical operating clearances mean a significantly longer product life. Count on Flygt A-C Series pumps for ongoing performance that's leak-free. At all times, you can trust Flygt A-C Series pumps to provide significant energy savings in wastewater treatment plants that need the finest solutions for RAS, WAS, filtrate, backwash, digester feed, circulation and much more. Of course, excellence in performance is just one reason why Flygt A-C Series pumps are the smart choice for municipalities everywhere. Another is your assurance of receiving

the finest support in the industry. Our sales and service centers stretch from coast to coast, and they're always ready to provide the help you need whenever you need it.

We also assemble high quality, energy efficient "Custom" products such as Large Split Case, Axial Flow Column and Centrifugal pumps for applications such as Flood Control and Power Plant Cooling.



A-C Series Pumps



Pump Controller



SCADA Software

## Flygt Monitoring & Controls Water & Wastewater Markets

### Pump Station Control Optimization

At the heart of the Flygt Station Control Panel, or “SCP”, is the Flygt App 721 advanced all-in-one station controller. Its pre-configured wastewater transport control algorithms allow collection system optimization in just a few clicks.

### Integrated Web Server

To further enhance the capability of the Flygt App 721 controller, an integrated web server has been added. By making use of the new web functionality, the App 721 can easily be managed remotely, or via your local area network. This comprehensive Flygt Monitoring & Control Product, with web server functionality, is unique in our industry. It exemplifies Xylem’s consistent effort to innovate its technology to better serve our customers’ needs.

### Easy to Manage Remotely

When remotely accessed, the Flygt SCP improves station visibility and operational efficiency. This dramatically cuts man-hours and costs for transport, while providing a wealth of data to meet ever-changing environmental reporting needs. In addition, it can easily be accessed through our Flygt Aquaview SCADA software or integrated into existing centralized systems. The new Flygt SCP delivers the reliability you’ve come to expect,

coupled with unique control flexibility that allows for dramatic operational change without rewiring. By linking Flygt’s wastewater pumping, you can achieve a fully integrated approach to wastewater transport, precisely controlling how it’s delivered to your plant. In short, it will change the way you look at your wastewater plant - literally.

### SMARTFLOW

With unparalleled simplicity, PumpSmart v5 offers sensor-less flow measurement with accuracy of  $\pm 5\%$  of the rated flow range. SMARTFLOW is simple to invoke; only 4 pieces of performance data are required – best efficiency-point flow, BEP power, rated speed and power at shut-off.

### Aquaview - Complete SCADA Software

Specifically developed for wastewater transport, expansion capabilities include your entire water and wastewater networks. Station data, including pumped volume, inflow, water level, pump starts and runtimes, are clearly visible and set points are easily changed. With the reliable alarm distribution in Aquaview, station problems can be avoided. Aquaview is easy to install and configure, yet powerful enough to control an entire water and wastewater network, including views of trend graphs, alarms and reports.





Construction Dewatering Pump



Mine Dewatering Pump

## Flygt Dewatering Construction & Mining Markets

We offer heavy-duty portable electric submersible dewatering pumps that can withstand the severe demands of construction site and mine dewatering. When it just has to work, it just has to be the Flygt 2600 submersible dewatering pump series.

### Superior Wear Resistance

With a patented impeller design and fewer moving parts, Flygt 2600 Series pumps ensure superior wear resistance and consistent performance over time. In tests, they have been shown to deliver a threefold increase in wear resistance compared to traditional dewatering pumps. Stronger, simpler and easier to maintain, they keep your operations moving and ensure the lowest possible cost of ownership.

### 2600 Flygt Submersible Pumps - The new force in dewatering

Flygt 2600 Series features:

#### Plug-In™ Seal

The seal incorporates two mechanical seals for double protection against liquid penetration. The unit enables faster and simpler replacement and protects seal surfaces during disassembly and mounting.

#### Spin-Out™

Unique to Flygt products, this patented design protects the outer seal and extends service life by expelling abrasive particles from the seal.

#### Clog-resistant impeller

Optional, specially designed, open high-chrome impeller minimizes clogging when pumping abrasive water containing large soft particles.

#### Single adjustment screw

A single screw enables fast and easy impeller adjustment for optimal performance over a sustained period of time.

#### Dura-Spin™ hydraulic system

Spiral grooves on the suction cover, in combination with back vanes on the impeller, provide greatly increased durability by preventing abrasive particles from reaching the impeller neck.

### Flygt 2600 Dewatering Pumps

They're built to keep on working, no matter what. It's the muscle you want working for you on the construction site and in the mine.



## Flygt Aftermarket Products & Services

Service Contracts, Repairs, Spare Parts, and Pump and Control Upgrades

### A Dedication To Service – That’s The Flygt Difference.

Flygt’s commitment doesn’t end after a sale has been made. In fact, it’s only the beginning. As a true leader in pumping technology, we proudly stand by our products to make sure our customers experience years of faithful operation and dependable service. With a global network of service centers, we can provide a high level of after-sales service, on-site. That means we’ll answer your needs quickly to help minimize downtime. In an emergency, pumps, pipe work and skilled staff can be on-site fast.

### Flygt Maintenance Programs

We are proud to offer three maintenance programs to help keep you up and running and avoid expensive repairs.

#### Gold:

- Semi-annual preventive maintenance
- Corrective maintenance included
- Free consumables and pump parts
- Other parts & repairs at discount rates
- Reports, analysis and advice

#### Silver:

- Semi-annual preventive maintenance
- Corrective maintenance at going rate
- Free consumables
- Other parts & repairs at discount rates
- Reports, analysis and advice

#### Bronze:

- Annual preventive maintenance
- Corrective maintenance at going rate
- Parts and repairs at going rate
- Reports, analysis and advice

### Why Use Flygt Genuine Spare Parts?

As customers continue to stretch the life of equipment, using spare parts from the original manufacturer will ensure that the proper compatibility and operational efficiency of the equipment that you already invested in will deliver superior performance and reliability for years to come. Within any high performance system, the individual components must work together to achieve maximum efficiency. We have followed the principles of continuous research and development, engineering and testing to ensure that each and every genuine Flygt spare part constitutes a piece of equipment or operating system that will work together properly to ensure optimal performance and achieve longer operating life. You chose the original equipment you purchased because of quality, reliability and performance. Using lesser spare parts would significantly reduce the value of your well-informed initial investment.



# Flygt Progressive Cavity Grinder Pump Package

## Pressure Sewer Market

### A Competitive Pump in a Competitive Package

To make life easier for wastewater consultants and installers, we have put together a package that contains a pump, pump station and a controller. By matching components that are optimized for domestic pump stations, we are able to offer this integrated package at a competitive price.

### A Complete Pump Station, Ready-made

Flygt PSS MF 3068.175 is a prefabricated pump station for pressurized sewage systems. It comes complete on delivery, ready for immediate installation and connection.

### Flexible Design

Flygt PSS MF 3068.175 can accommodate simplex or duplex pumps. PSS package stations are available in 24" diameter and can be installed between 6 and 16 ft. depth. This is made possible thanks to an extension shaft that can be cut to the required length.



PC Grinder Pump

### Flygt Progressive-cavity Grinder Pump

Home-owners want an affordable, low-ampere pump that won't clog. Wastewater consultants want a pump to recommend that will last for many years. The Flygt progressive-cavity pump has everything you require for the pressurized sewage system:

- It gives you the high head you need for pressure sewage pumping
- It is powered by a small, low-ampere motor that runs from any standard domestic power supply
- It has a robust, high-chrome steel grinding mechanism that is used in tens of thousands of municipal pump stations around the world
- And it is a Flygt pump: a cast iron, quality product that is made to industrial specifications through and through

### A Great Package Deal

Best of all, you can order the pump as part of an all-in-one package. That's a pump, plus a prefabricated pit, plus a pump controller in one competitive package – all from a single supplier.



PSS Pump Controller

# Xylem |'zīləm|

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

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. 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, backed by a legacy of innovation.

For more information on how Xylem can help you, go to [www.xyleminc.com](http://www.xyleminc.com)



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