

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.xylem.com



Flygt FGC400

POWERFUL PLUG-AND-PLAY CONTROLLER FOR WASTEWATER PUMPING



Flygt is a brand of Xylem. For the latest version of this document and more information about Flygt products visit www.flygt.com

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Flygt FGC400

Easy to use. Just plug-and-play.

Controlling your wastewater pumps just got a lot easier. With Flygt FGC400, you can simply connect up to two pumps, add the sensors, and run the set-up wizard to get started. Just the advanced functionality you need, in a compact, user-friendly control panel you can use - straight out of the box.

The FGC400 contains all the capabilities needed for one or two pumps, while eliminating the need for complex electrical cabinets. Pre-programmed with the advanced functionality you expect from Flygt, it can be installed and configured in a matter of minutes, and equipped to meet your exact requirements.

Powerful, compact and pre-programmed

With functions including pump alternation, pump profiles, random start, maintenance run and pump reversal, the controller packs an impressive array of capabilities into a remarkably small cabinet footprint. Energy measurement and calculations are built-in, along with data loggers, alarm handling, motor protection and level monitoring. All of this in a self-contained unit capable of controlling any pumps up to 5.5 kW, or larger pumps using external contac-

tors. A built-in setup wizard guides you through all the necessary settings and preferences, allowing you to get started quickly and simply.

Flexible & expandable

The controller can be easily configured via PC, USB or the controller's intuitive HMI. This means that as your needs change, the FGC400 can be easily adapted to give you the greatest possible flexibility with minimal effort. It can easily interface with different systems and products, and is compatible with external control systems like SCADA. It is also equipped with all the inputs and outputs to connect contactors and current transformers to pumps larger than 5.5 kW, as well as any external modems, alarms and sensors you may need. Other software configurations can be loaded to meet your exact needs and preferences.



With its powerful functionality, easy plug-and-play setup and flexible capabilities, the FGC400 eliminates the need for complex electrical cabinets when controlling up to two pumps.

Improve your operation and maintenance

The detachable interface, which can be mounted next to the controller or used as a handheld device for the service technician, provides a wealth of actionable real-time data. This includes a complete overview of alarms and status, level monitoring, and calculations that help to ensure the optimal pump capacity and energy settings for your facility. All so you can improve your pumps' performance over time.

Of course, safety and maintenance are top priorities in the design of any Flygt product, and this controller is no exception. Thanks to built-in motor protection functionality, it automatically monitors and protects your pumps' motors against voltage phase failure, overload, voltage fluctuations and more. Combined with historical data and alarms, you get all the preventive maintenance and troubleshooting information you could possibly need - well before any serious problems can occur.

Technical data Flygt FGC400

Power supply	3-phase: 200-460 VAC with neutral, 400-415 VAC without neutral 1-phase: 100-265 VAC
Ports	1 x USB 1 x RS232 1 x RS485 1 x Display interface 1 x 24 VDC output On-board pressure sensor for Open-bell sensor (optional)
Communication	Modbus master or slave Aquacom
Standard I/O	2 x Digital outputs 10 x Digital inputs 1 x Analog input
Data logging	1000 data points
Environment class	Protection class: IP 20 Operation Temperature -20 to +50 °C
Approvals	CE, UL, CSA
Expansion modules	Battery backup module Advanced communication Ethernet, incl. DNP3 and webserver interface LON communication module Relay output module WiFi module Flygt Probe sensor interface module
Unique features	Powerful pre-programmed functionality Compact format for small control cabinets User-friendly HMI with intuitive user interface Built in energy measurement and calculation Set-up wizards Set point profiles

Flygt monitoring & control and pumps - even better together.

In the water and wastewater business, conditions change fast. And the more your equipment can tell you, the better you can perform. This is why, at Xylem, we take a more complete approach to water management. With Flygt products and solutions that are designed to meet your demands for reliable pumps, matched with seamless monitoring and control solutions. It's a unique combination of innovative expertise and extensive application knowledge that helps to reduce energy, limit call-outs and drive better performance.

The FGC400 controller is a prime example, providing even the smallest pump facilities with the professional-grade functionality they need to improve performance and boost efficiency with a single easy-to-use interface. It's just one example of a range of intelligent solutions that make **Flygt monitoring & control and pumps even better together.**