



Flygt FGC 400

POWERFUL PLUG AND PLAY CONTROLLER FOR WASTEWATER PUMPING

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

The controller packs an impressive array of capabilities into a remarkably small cabinet footprint, with functions including pump alternation, pump profiles, random start and maintenance run. 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 contactors.

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 by 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.

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.**



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 Display interface 1 x 24 VDC output On-board pressure sensor for Open-bell sensor
Communication	Modbus 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
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

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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