



The complete solution to empower your next move

FLYGT APP 700 WATER TRANSPORT AUTOMATION CONTROLLER

Empower your future, one step at a time

Flygt APP 700 is easily adapted to your growing needs and changing field conditions. From day one, you get a complete solution to ensure a reliable plant.

The software design is as flexible as the built-in connections and communication modules. You can, for example, start with a single pump

controller and successively upgrade to more controllers or – ultimately, for a safe and reliable over-view of the entire plant – an advanced SCADA system such as Flygt AquaView.

Flygt APP 700, the clear choice in water transport automation.



Flygt APP 700 offers pre-programmed key functions based on a wealth of water & wastewater experience.

Access from anywhere

Flygt APP 700 can be easily managed, including active alarms, via your local area network and/or remotely via alternative forms of communication.

the unit enabling low-cost connection to wide area networks via the internet - with or without a SCADA system.

To further enhance the functionality and benefits of Flygt APP 700, a web server is integrated into



Everything you need to know

Flygt APP 700 is an entire range of advanced all-in-one water transport automation controllers. Both the hardware and the software are specially designed for your water transport applications.

In pump station applications the water flows and levels are monitored with great accuracy, along with pump capacity, running times, energy costs and other key data. All functions are pre-engineered based on decades of worldwide experience.

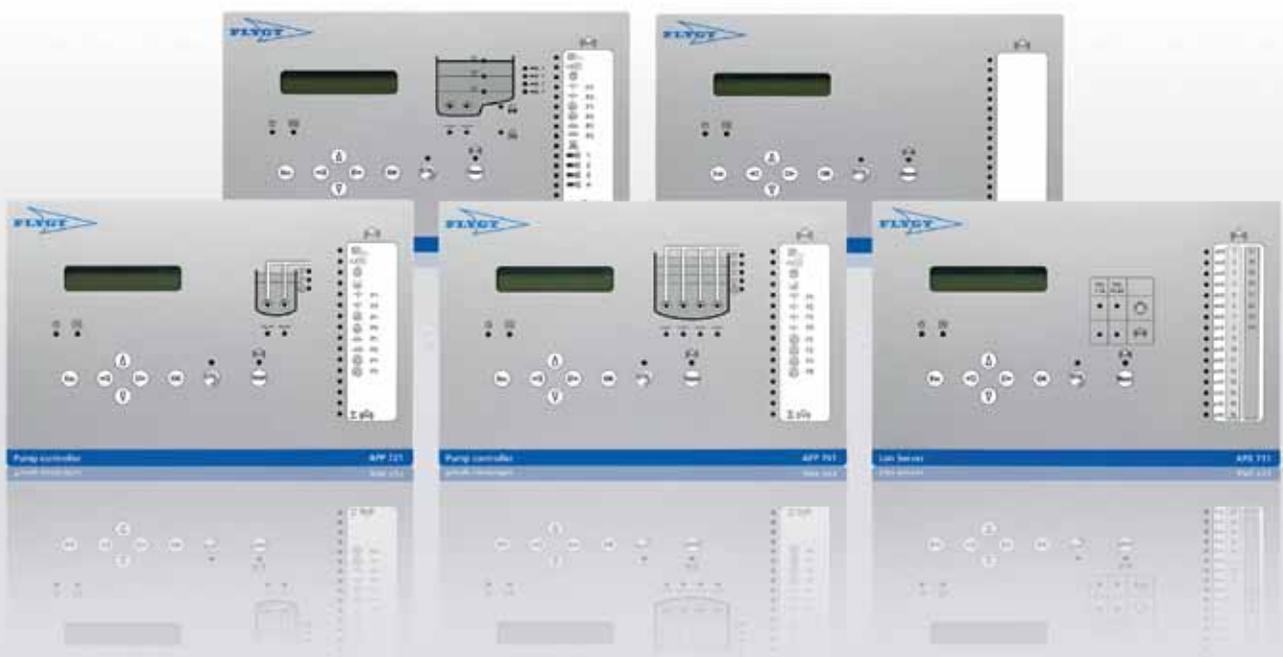
To facilitate automation of water transport in other parts of the plants, such as treatment and retention, the same flexible controllers can be uniquely programmed.

Flygt APP 700 controllers are very easy to use. Settings can be changed quickly and easily by

simply adjusting the values on the display of the controller. An integrated web server enables low-cost plant overview. The units can be managed remotely via alternative communication and alarm management solutions.

Any deviations from optimal performance are immediately brought to your attention via active alarms, and systematically analyzed in periodical reports with trend indications. Recorded, time-stamped alarm data are stored for later retrieval as required.

Regardless of applications, you will always know exactly what is going on, what needs to be done, and, if necessary, what has happened in the past.



Unique built-in pumping functions



Besides incorporated standard features, easily adapted to meet the needs of each application, Flygt APP 700 comes with a range of unique built-in functions enabling easy commissioning, including:

- **Flow measurement and capacity calculation** indicate the volume pumped into the sewage network. The function controls that the pump performs optimally and thus minimizes the risk of unscheduled shutdowns and emergency turn-outs.
- **Specific energy calculation** provides an easy overview of the station's momentary and cumulated energy costs, with trend analyses to promote and guide energy conservation.
- **Pump alternation** automatically selects the order in which pumps are to start and stop in a pump cycle adapted to your needs, and ensures

even utilization and wear for minimized operational disturbances.

- **Blocking** is mainly used to prevent overflows. Flygt APP 700 controllers can talk to each other and redirect other pump stations from pumping water to a station already filled to capacity. This gives service personnel more time, should any repairs be required.

- **Pump sump cleaning** supports a maintenance-free pump station by controlling random pump starts, pump sump flushing and cleaning functionality.

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



Xylem, Inc.
14125 South Bridge Circle
Charlotte, NC 28273
Tel 704.409.9700
Fax 704.295.9080
www.xyleminc.com

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