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
Let's Solve Water

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Flygt MultiSmart®

TAKING INTELLIGENT PUMP STATION MANAGER CONTROL TO NEW LEVELS

FLYGT
a xylem brand

Flygt MultiSmart®

Empowered performance. Intuitive control.

With Flygt MultiSmart, it's now easier than ever to manage your pump stations. Capable of handling up to six pumps, it's enabled with preconfigured functions to maximize efficiency, save time and reduce costs by preventing clogging and nuisance call-outs. MultiSmart's intuitive, customizable interface, equipped with proven features designed specifically for water and wastewater, empowers your operational staff.

Control at your fingertips
Thanks to a new powerful touchscreen interface and the MultiSmart configurator, commissioning a new station or maximizing the efficiency of an existing station could not be simpler. A setup wizard guides your staff through installation using defaults that have been thoughtfully designed to get you up and running exactly as you need. You can also easily change any parameter to gain full control over all the details. Whether it's something as simple as changing set points or creating complex alternation schemes for large pump stations, MultiSmart gives your staff all the features your operations demand.

The intelligent pump station
Why follow a fixed alteration when your station can automatically run its most energy efficient pump? Why waste time on manually cleaning when it can regulary automatically cleanse the sump for you? And what if your system could give you all the information needed to carry out preventative maintenance?

These are just a few of the performance-enhancing features you can expect from MultiSmart. Along with multiple set point profiles allowing remote or timed switching for operations such as spill management, automatic changing of set points and pre-set limits to the number of running pumps when switching to a generator. With countless more options to choose from, MultiSmart dramatically reduces the complexity and hassle of controlling your pump station.

Less time, lower costs
Thanks to built-in features like pump reversal, which prevents clogging and issues alarm signals to prompt preventive maintenance, nuisance call-outs can be eliminated. Pump voltage and amperage are also monitored to calculate real power consumption, ensuring long-term power savings by continuously leveraging the use of the most efficient pump. MultiSmart will automatically reset tripped pumps.

MultiSmart combine 3-phase current monitoring and remote control to reduce both control panel costs and unnecessary site visits. A built-in local webserver can eliminate the costs of additional HMI software. Either way, your deployment and commissioning costs are reduced to a bare minimum.

All the storage and connectivity you need
The MultiSmart pumpstation manager connects to any modern SCADA platform over DNP3, Modbus or Aquacom. It includes a data logger for 50,000 events (10,000,000 direct to CF card) and local storage of up to 20 GB of historical data, including historical data filtering.

Firmware and feature upgrades are easily accessible via the web, while the IEC 61131-3 compliant PLC engine allows you to further extend functionality to create new features using your own custom compliant PLC engine.

Taking intelligent pump station control to new levels.

Technical data

Power supply	• 11–25 VDC
Ports	• 2xRS232 • 2xRS485 • 2x Ethernet • USB and SD port
Communication	• DNP3 level 2, Modbus, AquaCom, WITS certified
Standard I/O	• 20 Digital inputs, 7 Digital outputs, 2 analogue input, 1 analogue output, 3 Voltage inputs
Motor protection I/O	• 9 current inputs, 3 insulation resistance testing, 5 digital outputs, 3 analogue outputs
Data logging	• 50.000 date, time and quality stamped events stored
Unique functions	• Energy data • Set point profiles • Energy efficiency alternation • 3-phase voltage monitoring per station • 3-phase current monitoring per pump • Insulation resistance testing • Pump cleaning • Automatically reset tripped pumps
IP class	• Controller IP20 and Display IP65 • Or Rugged Display IP67
Approvals	• CE, UL, cUL

Total solutions for the world's toughest water challenges

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 consumption, eliminate call-outs and drive better performance.

Take MultiSmart as a case in point. The world's first intelligent pump station manager, it turns any set-up of pumps, level devices and SCADA systems into a powerful network for preventive maintenance and energy-efficient operations. It's just one of a range of advanced solutions that make **Flygt monitoring & control and pumps even better together.**