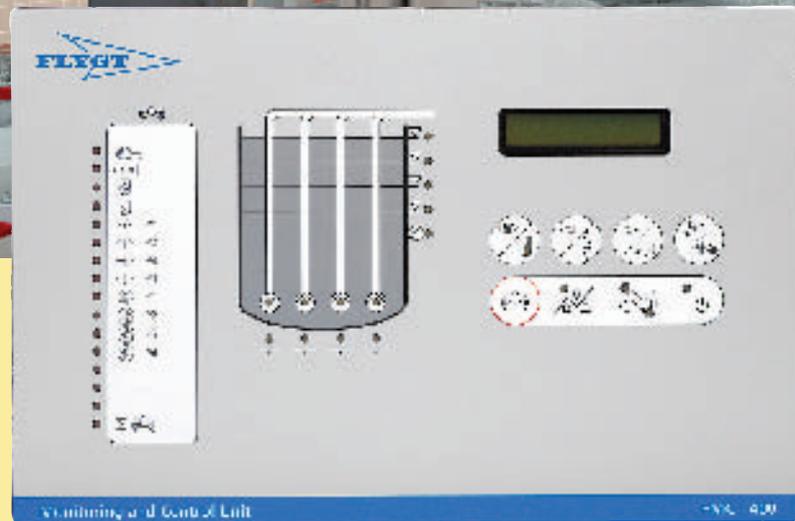




FMC monitoring and control units

Advanced control for pump station applications



Flygt



Why compromise?

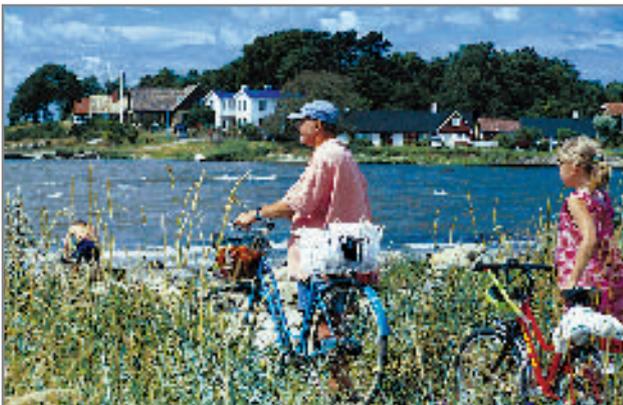
There are dozens of different pump controllers out there. But most of them are made to work in dozens of different applications. However, Flygt's control units are made especially for controlling pumps. And having worked with pumps and pumping for over fifty years, we know exactly what people working with water handling need to handle water.

All the functions you need – built in

FMC controllers come with a range of well thought-out functions. These include:

- comprehensive pump control such as random pump start and flushing.
- advanced pump supervision, including capacity, running times, leakage and temperature alarms.
- accurate flow measurement of incoming and pumped volumes.

The list of functions is long. Together, they will save personnel and energy costs, while helping to protect the environment.



Easy to use

With years of experience in wastewater and water treatment, we know that it's vital to make controllers easy to use.

Service personnel can see at a glance what's been going on thanks to self-explanatory diagrams of pumps and pump sumps with LEDs. Settings can be changed quickly and easily on the LCD display, or remotely from a PC.



Front mounted FMC 200

Full control – whenever, wherever

The FMC controller records everything that happens in your pump station. With a generous built-in memory, it stores up to 1,000 events and then generates easy-to-read reports and trend graphs. Data include exact dates and times, all of which can be accessed on-site and centrally.

When an incident has occurred, the unit automatically contacts the control central over a dial-up or dedicated telephone line, GSM, radio, fibre or Ethernet connection.

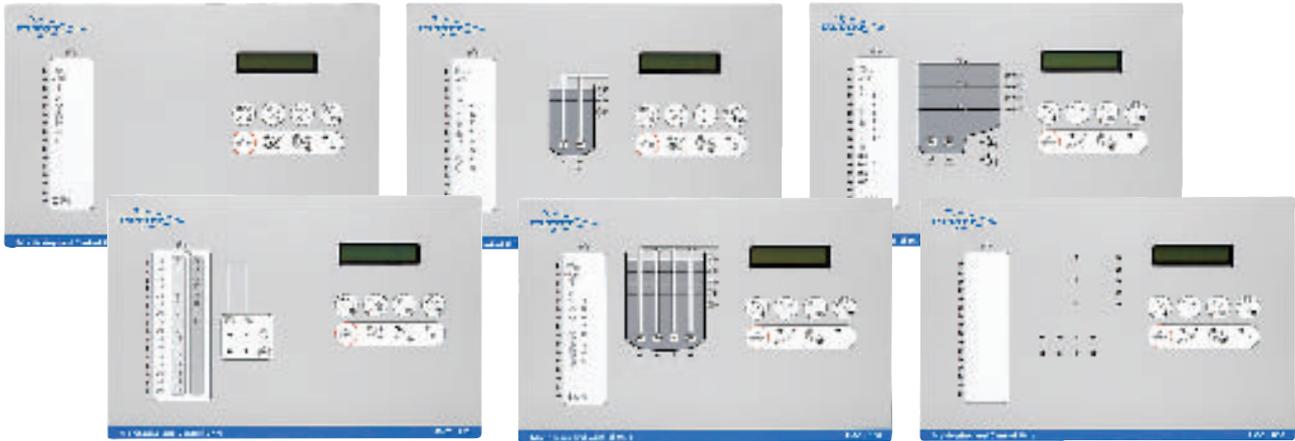
Featuring the most open architecture available in a pump controller, FMC supports AquaCom, Comli and Modbus protocols and is compatible with different SCADA applications.

Different sizes & different applications

FMC 100

FMC 200

FMC 500



FMC 150

FMC 400

FMC 600

Whatever your needs

No matter how many or how few pumps you want to control, there is an FMC controller that suits your needs. Some of the units can even be used in applications such as retention basins, wastewater treatment plants and freshwater handling.

For special needs

With Flygt's controller, you can customise your own special functions. And programming is easy, thanks to the flexible PC-based operating system.

Operate one, operate all

To ensure that your engineers can operate all the controllers in the range, we have standardized the control panel. All units feature a user-friendly panel with self-explanatory diagrams and LED lamps.

Easy to install in small and complex networks

FMC controllers are easy to install and to integrate with SCADA systems, due to the PC-based operating system and open standards. With a huge number of systems solutions available, FMC controllers can be used both by smaller municipalities and by those with advanced needs, multiple workstations and web interfaces.

Applications	FMC 100	FMC 150	FMC 200	FMC 400	FMC 500	FMC 600
Pump stations with 1–2 pumps			•			
Pump stations with 3–4 pumps				•		
Pump stations with >4 pumps						•
Retention basins					•	
Alarm receiver/transmitter	•	•				
Wastewater and treatment plant applications						•

Monitoring & control – the advantages



Reduce service visits and emergency call-outs

With a well-functioning monitoring and control system, service visits to pump stations will be radically reduced. Unnecessary service checks can be eliminated with the help of automatically generated service alerts. And with detailed information sent to your control centre, you'll be able to slash the number of emergency call-outs.

Reduce environmental impact

Overflow alarms help operators react quickly to spillage. By keeping track of previous overflows, a monitoring and control system can help prevent future discharges.

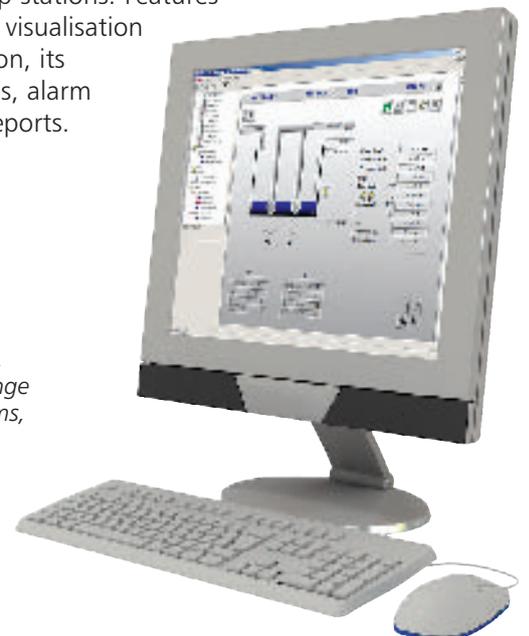
Manage your network from your desktop

Thanks to its open architecture, the FMC controller can be connected to a wide range of SCADA supervisory systems.

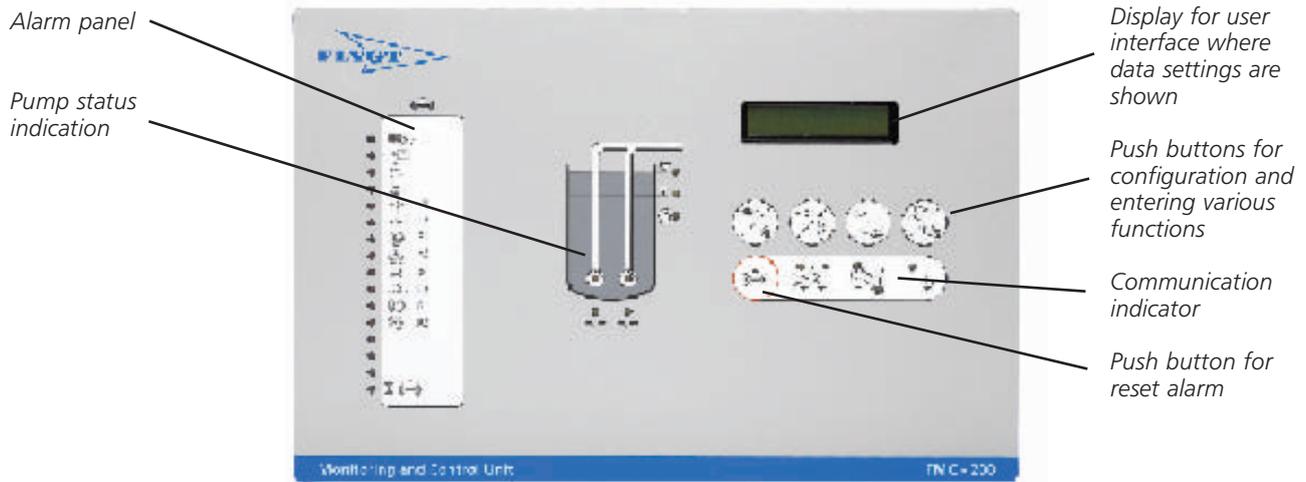
AquaView, Flygt's own supervisory software, is a modern Windows-based system. Like FMC, it has been developed specifically for fluid handling applications. Used together with FMC controllers, AquaView gives a complete picture of your fluid handling system.

AquaView also gives you a close-up of individual pumps and pump stations. Features include real-time visualisation of each installation, its operational status, alarm logs and trend reports.

AquaView provides a concise, comprehensive range of reports on alarms, flow conditions and trends.



More functions, more control



If you're working with water and wastewater management, these are the functions you want. We know, because you told us.

Local status displayed on site

Self-explanatory diagrams with LEDs on the front panel give an immediate overview of your pumps and pump station.

Level measurement

With pressure or ultrasonic sensors you get an accurate picture of water levels.

Flow calculation

The FMC controller calculates incoming flows and pumped volumes with a high degree of accuracy.

Pump supervision

The FMC monitors everything from pump capacity, running times and number of starts to leakage, service reminders and high temperature alarms.

Automatic sump cleaning

FMC reduces the need for on-site maintenance by controlling random pump starts, pump sump flushing and automatic sump cleaning functionality.

Monitoring energy costs

By measuring and reporting power consumption, FMC gives you better control over your energy costs.

Alarm handling

Each controller has a built-in memory that stores up to 1,000 alarms. Alarms are sent to text pagers or via SMS allowing service personnel to prioritise site visits.

Overflow protection

FMC controllers record the duration, number of and volume of overflows. A blocking function makes it possible to control designated overflow points.

Maintenance support

With Flygt controllers you can adjust the running time of each pump. They also notify service engineers when it is time to perform maintenance checks.

Remote control and reports

By using FMC units together with SCADA software, you can remote control pumps and compile reports about pump station activity.

Open architecture

Due to the open architecture, FMC controllers support AquaCom, Comli and Modbus protocols and can interface with a range of different SCADA systems.

Total monitoring and pump control

As the world's leading manufacturer of submersible pumps and supplier of fluid-handling technology, we can provide you with everything you need to build and operate your pump station in a safe, efficient and cost-effective way.

Our products are used in wastewater treatment plants, sewage systems, mines, construction, process industries and numerous other applications worldwide.

We have 40 sales companies and are represented in over 130 countries around the world.



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