

Monitoring and Control Newsletter

Summer 2004, Fourth Edition



ITT Flygt is pleased to present you with this Newsletter in a new and revamped format. This Newsletter contains information and novelties about ITT Flygt Monitoring & Control products.

Luc-Réjean Lépine
Manager, Aftermarket and Services

New FMC pump controller unit

The new Flygt Monitoring & Control (FMC) pump controller unit is designed for front mounting in a cabinet. It consists of two parts: 1) The front mounting operator panel 2) The I/O-module for mounting in the rear of the cabinet. The advantages of the new FMC design being that the operator panel can easily be mounted in the door of the cabinet and easier to service. Optional modems used for remote monitoring and portable computer used for service can be connected to the numerous serial communication ports (4) from the operator panel. The same electronics are used as in the FMC pump controller box mounted versions. This means that the FMC front mounting has 100% compatibility with existing FMC's. The FMC pump controller unit can control and monitor pumping station equipped with one (1) to four (4) pump in its standard configuration and is programmable for your custom applications..



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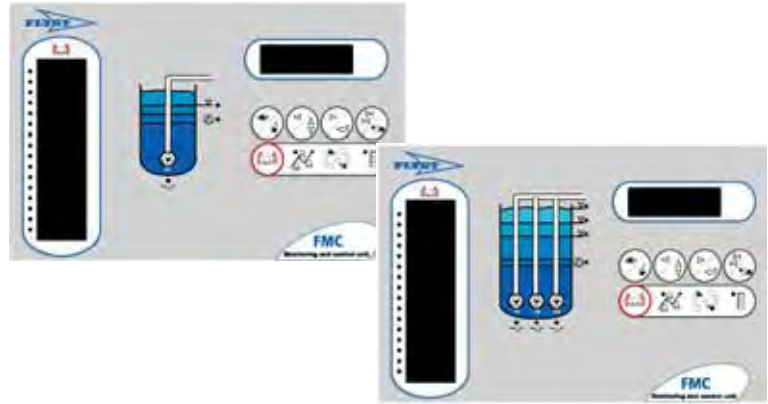
Flygt



ITT Industries

New FMC overlays

The new FMC overlays are intended to be used where the FMC unit controls a simplex or triplex pumping station. These overlays complete the existing duplex (FMC 200) and quadruplex (FMC 400) pump controller.

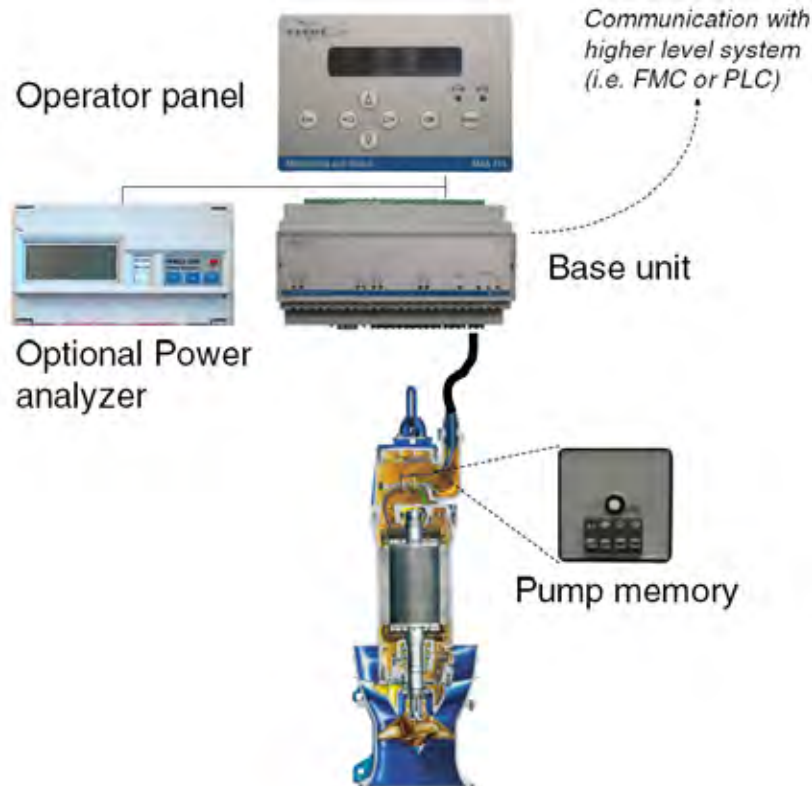


MAS 711

MAS 711 (Monitoring and Status – hereafter called MAS) is a monitoring system for Flygt pumps. Its main duty is to monitor and protect a pump and to record measurement results from sensors and measurement modules. Should an abnormal condition occur, MAS can stop the pump and emit an alarm. Information about the alarm is stored in a database of recorded measurements, which enables the operator to analyze the course of events and carry out adequate actions. MAS contains an embedded web server, which means that it can be easily operated using a standard computer and a web browser. MAS has several ports for serial communication of measured data, alarms etc. This makes MAS fit in as a component in a supervisory control and data acquisition system (SCADA).

The MAS-system consists of four components:

- The *Base unit* contains a powerful processor, memory and terminals for sensor connections.
- The *Operator panel* is a front panel mounted module used for interaction with the system.
- The *Pump memory unit* is mounted inside the pump and contains information about the pump such as serial number, pump sensor configuration, measured data, etc.
- The *Power analyzer* is an optional unit, which measures power, current, voltage and power factor. Measurement results are transferred to the Base unit.



Integrator business partners

Between June 7th and June 11th Flygt held an Integrator Training Session (Level 1 & 2) in its Head Office. Attending this event at our Pointe Claire facilities: M. Ben Kempenaar (Celco Controls Ltd), M. Paul Bulmer and M. Jason Walls (MPC Consulting Ltd). The training session was a 5 day course where many topics were covered such as:

- Product line concept
- Pumping station concept
- Monitoring & control accessories
- Maestro programming tool

The meeting was a nice opportunity to exchange ideas about the monitoring & control business in the water and waste water markets. Fruitful business discussions took place and strong relationships were established.

Celco Controls Ltd will provide assistance and promote Flygt M & C products in Ontario through their Thunder Bay office. As for MPC Consulting Ltd they will provide the same to British Columbia through their Sydney office. With these two new business partners, it brings us to a total of seven (7) Flygt Integrators



Control & Equipment Ltd (St-Johns, NL)
The Panel Shop Inc (Fredericton, NB)
Envitech Automation Inc (Pointe Claire, QC)
Celco Controls Ltd (Thunder Bay, ON)
Manco Control Systems Inc (Winnipeg, MB)
Sim-Flo Systems Inc (Calgary, AB)
MPC Consulting Ltd (Sydney, BC)



Flygt Canada web site

The Flygt Canada web site (www.ittflygt.ca) is continuously updated with the latest information. The monitoring and control section is accessible without user ID or password requirement and can be found at the following address:

<http://www.ittflygt.ca/Site/En/Products/Monitoringcontrols.asp>

I invite you to visit this address regularly to be kept well informed of the latest developments for monitoring & control products at ITT Flygt.

**Consult our internet site at
www.ittflygt.ca
for more information on our
products and services.**

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