Flygt FPC 100
Automatic pump controller

EFFECTIVE DRAINAGE AND MOTOR PROTECTION WITHOUT LEVEL SENSORS

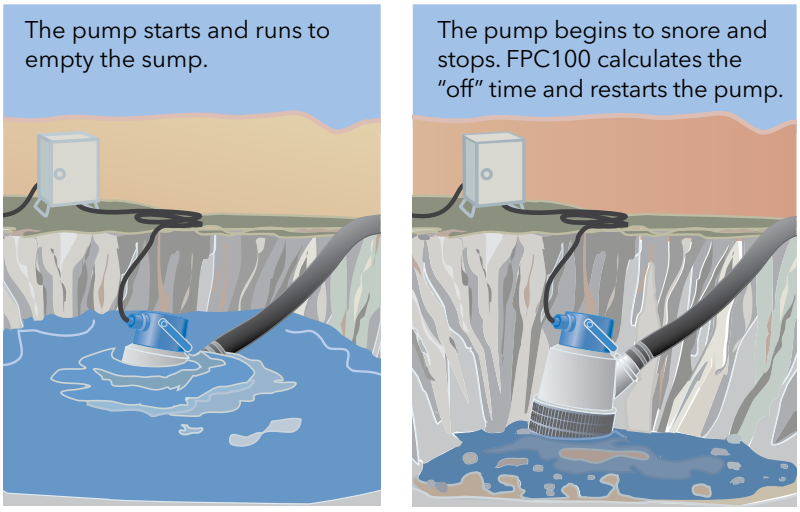
FLYGT

Effective drainage without level sensors

It's a fact that pumps on construction sites and in mines are often left operating day and night. Usually they end up snoring most of the time, causing unnecessary wear to pump parts and wasting electric power. The result is increased service costs and high electric bills. Control systems using external floats or level sensors are often impractical in rough temporary surroundings.

Pumps work only when needed
FPC 100 automatic pump controller is the solution to overcome these problems. FPC 100 allows automatic pump operation without using floats or level sensors. When the FPC 100 is installed in the control box, it closely monitors pump-operating power, shutting it off when water is not being pumped. The secret is its microprocessor which stores, computes and establishes the 'off" time before the pump restarts again. The "on" and "off" time calculation is continually updated and adjusted by the FPC 100, quickly adapting pump operation to both high and low inflows.

Just drop the pump in, start the FPC 100 with its easy to use keypad and you will avoid unnecessary wear and wasted electricity!



FPC 100 adapts the "off time" to obtain the same approximate start level independent of the inflow rate. Consequently:
- high inflow and long pumping operation gives a short "off time"
- low inflow and short pumping operation gives a long "off time"

FPC 100 features:
- Three-phase automatic pump controller without external floats or level sensors.
- Monitors and protects the pump from:
  - Overheating
  - Phase imbalance
  - Incorrect rotation
- Displays key operating information.

Protection and alarm
And if that's not enough, the FPC 100 also continually monitors and protects your pump from motor damage.

The FPC 100 will automatically shut down the pump if the following occurs:
- motor overheating
- three-phase unbalance

FPC 100 also ensures that the motor will only run in the correct direction of rotation thereby eliminating abnormal wear.

FPC 100 display indicates alarms and key operating information such as: operating time, number of starts, etc. FPC 100 controllers are UL and CSA approved. Dimensions: (WxHxD) 45x90x115 mm. They are available as kits, complete with current transformer.

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Flygt is a brand of Xylem, whose 12,000 employees are addressing the most complex issues in the global water market.

www.xyleminc.com

Xylem, Inc.
14125 South Bridge Circle
Charlotte, NC 28273
Tel 704.409.9700
Fax 704.295.9080
855-XYL-H2O1 (855-995-4661)

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