

GRUNDFOS LIQTEC™

➤ Dry running ruins the shaft seals and bearing systems in the best of pumps within a matter of seconds. What can you do before it's too late?

Grundfos has the answer!

Grundfos LiqTec™

The most common cause of pump failure, dry running, is now a thing of the past. At intervals of a fraction of a second, the Grundfos LiqTec™ checks that there is liquid in the pump. And if there isn't, it stops the pump immediately.

So you can rest easy day and night – with peace of mind.



FIGURE 1
Electronic control unit for
Grundfos CR pumps with
LiqTec™ sensor.
Cable length 2.5 m.



How does the Grundfos LiqTec™ work?

The Grundfos LiqTec™ sends a heat pulse through the sensor measuring the sensor's own temperature. If there is liquid in the pump, the sensor is cooled – in exactly the same way as the shaft seal and other internal pump parts.

If there is no liquid in the pump, the Grundfos LiqTec™ detects a high temperature in the sensor and immediately shuts down the pump before any damage is done. The risk of your Grundfos pump breaking down is further reduced by up to 50%.

Installation

The Grundfos LiqTec™ is plug and play technology at its best. The sensor is easily inserted through the pumphead close to the shaft seal. Plug in the electronic control unit, turn on the power, and you have instant peace of mind.

Additional features

➤ Restart

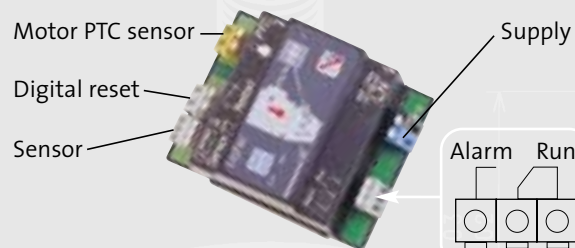
The system can be restarted manually at the switch or automatically when the sensor detects water in the pump again. Remote restart from a PC is possible via a digital port to the electronic control unit.

➤ Overheating protection

The electronic control unit can also be connected to the pump's thermistor which measures motor temperature. The system can then shut down the pump if the motor overheats. Using the Grundfos LiqTec™ you do not need to install a PTC sensor in the motor as the LiqTec™ takes over the function of the PTC sensor.

➤ Robust

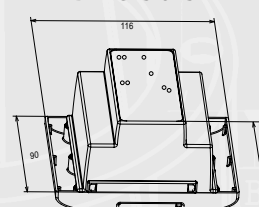
The sensor is as robust as the pump itself. You will have no problems with incrustation or rust, and the sensor can tolerate any corrosive liquid that the pump itself can.



Product numbers

Complete unit	96443674
Sensor unit service kit	96443675
Extra cable kit	96443676

Dimensions



Patent pending.

Technical data

Power supply:	1 X 200-240 V - 50/60 Hz
Power consumption:	5 W
Max. pressure:	40 bar
Max. liquid temp.:	120° C
Max. ambient temp.:	40° C
Humidity:	99%
Liquids:	Any liquid handled by Grundfos pumps.
Cable length:	5 m/20 m