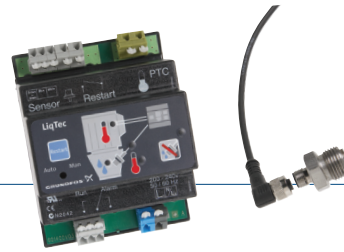




CR LiqTec



Dry running protection

The most frequent cause of pump breakdown is dry running, and it's costly. Pump failure can bring production to a halt. In many cases it also ruins pump parts like the shaft seal and the bearings. Over the years, our clients have asked for advice about how to prevent dry running. So Grundfos developed the LiqTec, an electronic dry running sensor. If the LiqTec senses no liquid in the pump, it stops the pump immediately before any damage is done, reducing the risk of pump breakdown by 50%.

And much more

Besides being a dry running device, the LiqTec offers a number of other features as well: the LiqTec prevents excessive liquid temperatures from damaging the pump. If the LiqTec senses a liquid temperature above 266°F (130°C), it stops the pump immediately. The LiqTec is a failsafe device, meaning that the pump stops as soon as the sensor detects an error on the sensor cable, the electronics, or if the power supply of the control unit is cut off. The Grundfos LiqTec can also be connected to the thermistor (PTC) on the pump motor. If the motor temperature exceeds a certain level, the LiqTec will stop the pump immediately.



LiqTec™ advantages

Easy installation

With LiqTec, Grundfos has made an indispensable device that is robust and easy to mount on pumps in the Grundfos CR range. The sensor is inserted via the pump head, close to the shaft seal. Once the LiqTec is plugged in, the power is turned on and the control unit monitors the whole system.

Automatic restart

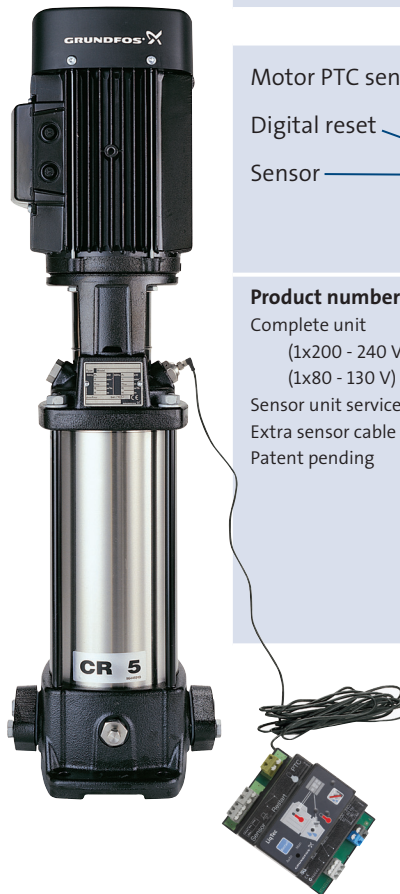
The LiqTec sends heat impulses through a sensor and measures the temperature of the sensor. If the sensor does not detect liquid inside the pump, the pump is stopped. When the sensor detects liquid in the pump again, the pump is restarted either manually or automatically.

Custom-built solutions

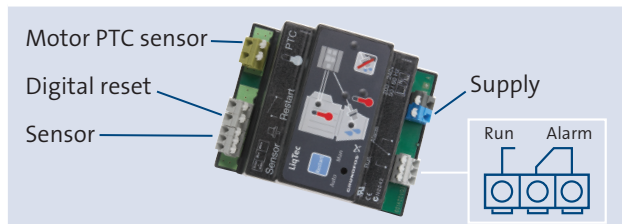
The comprehensive standard Grundfos CR range covers a wide range of applications. In addition, we can provide you with custom-built pump solutions to handle even higher pressures, more aggressive liquids, or higher liquid temperatures.

Worldwide pump supplier

Being a worldwide pump supplier, Grundfos is committed to providing a global, reliable, and efficient service network. Our experienced team of service technicians is always ready to serve you, at short notice, wherever you are in the world.



Technical data	
Max. pressure	580 psi (40 bar)
Max. ambient temp.	131°F (55° C)
Max. liquid temp.	266°F (130° C)
Power supply	1x200 - 240 V - 50/60 Hz 1x80 - 130 V - 50/60 Hz
Power consumption	5 watts
Humidity	99%
Cable length	16.4 ft or 65.5 ft (5m or 20m)
Liquids	Any water-based liquid handled by Grundfos CR pumps



Product numbers	Dimensions
Complete unit (1x200 - 240 V) 96556429 (1x80 - 130 V) 96556430	
Sensor unit service kit 96556427	
Extra sensor cable kit 96443676	
Patent pending	

L-CR-SL-015 7/05 (US)
Subject to alterations