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MultiProtector: The Monitoring and Protection Unit

An app displays the critical data of your pump, warns, and protects it from damage

Pumps & Systems

MultiProtector

Pump protection device for NETZSCH pumps

The MultiProtector is a monitoring and protection unit developed for NETZSCH positive displacement pumps. With this device, you can detect possible pump difficulties at an early stage. Based on, preset threshold values, you can protect the pump from damage in advance.

The MultiProtector analyzes the data on overpressure, temperature, leakage (conductivity measurement) and voltage. In the "MultiProtector" app, you can define two threshold values. One threshold value causes an alarm, the second one triggers a warning, which can also be used to switch off the pump. In addition, the error history is documented, and a live diagnostic can be performed. You can analyze the condition of the pump based on individual reports and optimise it. The pump is thus protected from damage.

What can be monitored?

- Temperature of the motor, stator, and pumped medium
- Pressure at the discharge port of the pump, signal input 0-20 mA (4-24 mA)
- 2 ways to measure leakage (conductivity measurement)
- Motor frequency
- Motor voltage

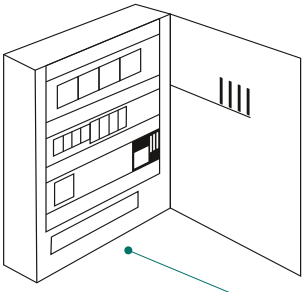
With the "MultiProtector" app, handling is very easy

The MultiProtector pump protection unit can be connected to mobile devices such as smartphones, tablets or laptops. With the app, you can set the threshold values on the device, display the pump's sensor data in real-time and generate reports.

MULTI
PROTECTOR



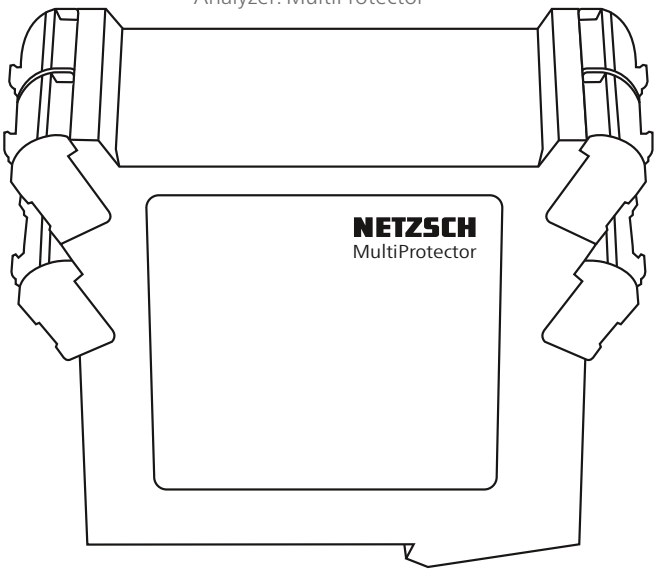
Installed in a control cabinet



Real-time diagnosis



Analyzer: MultiProtector



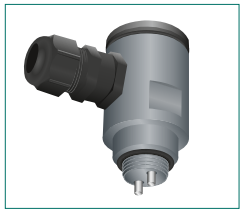


2 threshold values can be defined per sensor. These can lead to a warning signal or switch off the pump.

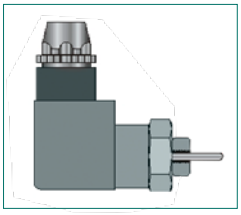
Sensor for motor voltage and temperature



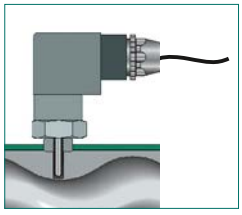
Sensor for leakage detection



Sensor for monitoring the media temperature

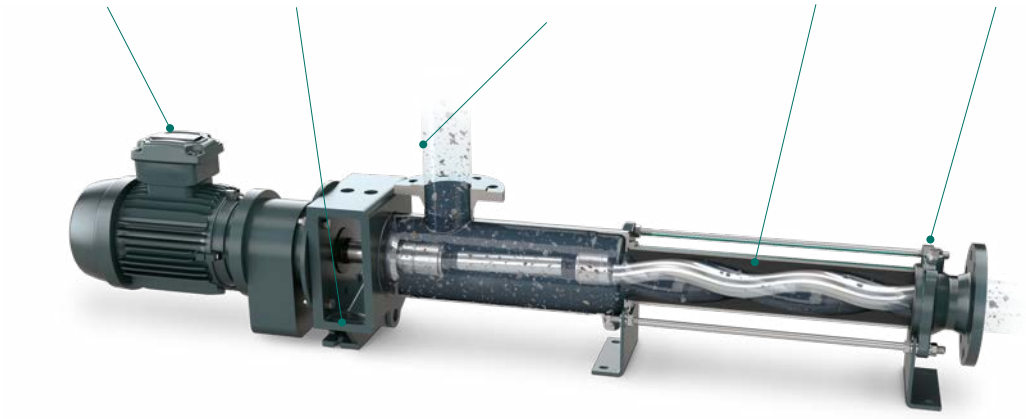


Temperature sensor for dry-running protection



Sensor for measuring the discharge pressure of the pump

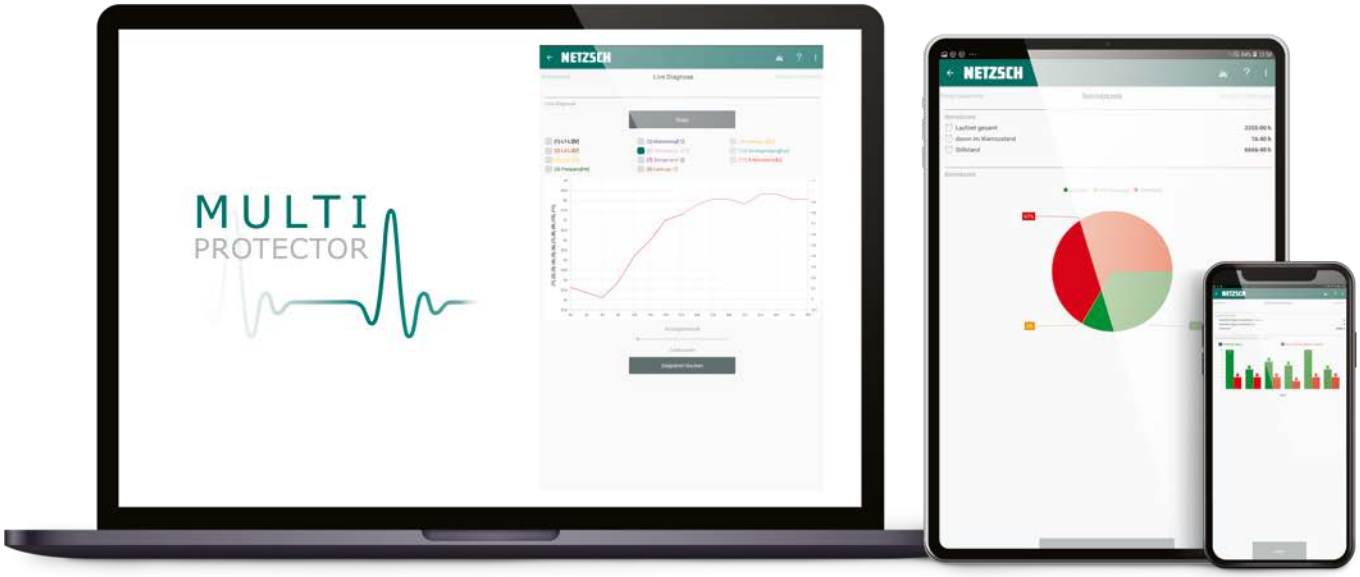




Anytime and anywhere

Retrieve data and avoid downtime

With one click in the app, you can create a PDF report with error history, statistics and set parameters. You can use this for documentation or also for troubleshooting.



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