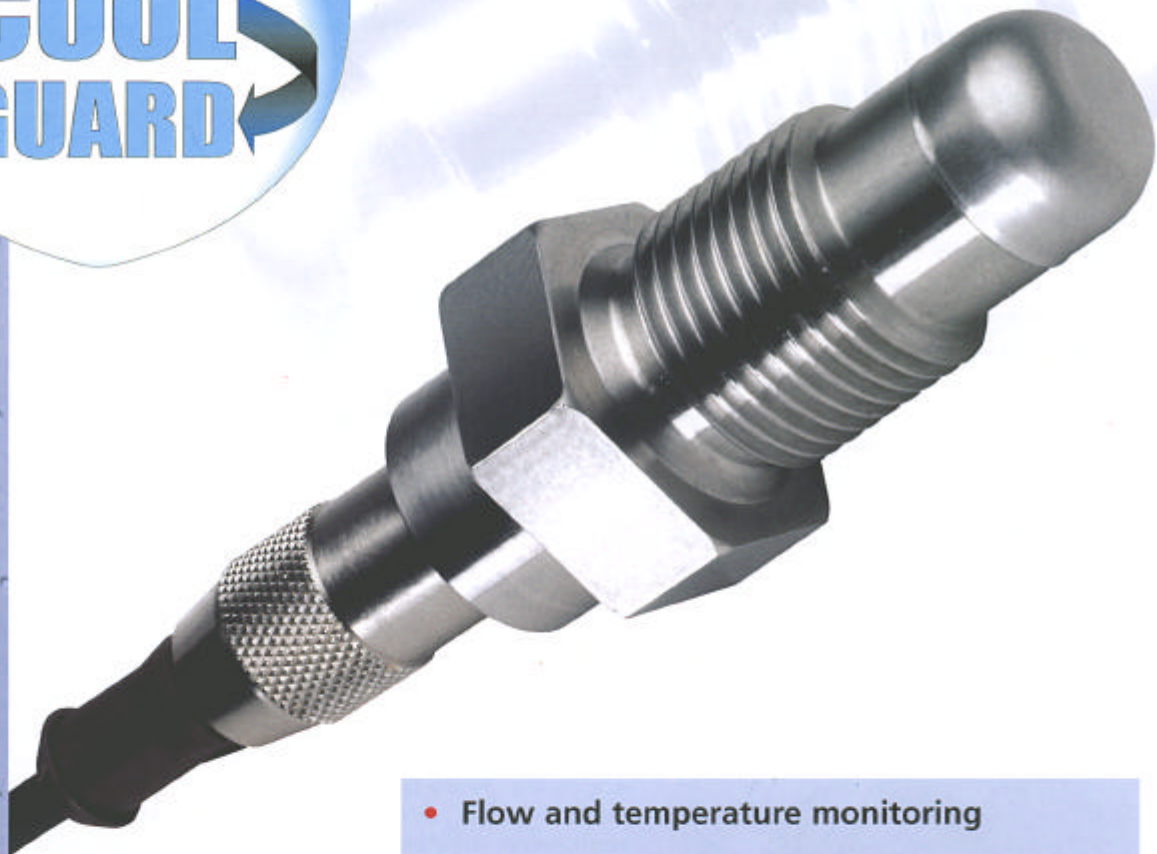




## The safe sensing solution For industrial cooling systems

*All-In-One monitoring of flow  
and temperature of the coolant*



- Flow and temperature monitoring
- Solid state electronic sensing
- No moving parts
- Preset with no adjustments needed
- Compact and rugged industrial design
- Maintenance free
- Reliability at an economical price

## flow-captor CoolGuard

The **CoolGuard** operates according to a new calorimetric principle specially adapted to the CoolGuard's tasks.

### flow-captor CoolGuard

safeguards cooling efficiency by monitoring flow rate as well as temperature.

Monitoring against such malfunctions:

- decrease of flow rate below set point value
- flow break down
- coolant temperature increase due to loss of cooling efficiency possibly resulting in an overload of whole cooling installation.

This way a most secure protection against machine damage or unwanted shutdown is guaranteed.

**flow-captor CoolGuard** is especially designed for all types of cooling systems as a reliable alternative to failure prone mechanical flow switches, which lack the temperature-monitoring feature.

## Cooling system

Every cooling system relies on a consistent flow of coolant with the purpose of limiting a defined temperature range of the cooled application.

The cooling performance depends on the coolant's flow rate and temperature.

## The captor Groupe



# weber

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## Monitoring of cooling systems

Currently, traditional monitoring is limited to merely detecting the occurrence of a minimum flow by means of a mechanical flow switch, with an additional, separately installed temperature switch to monitor over temperature situations.

### Problem

The problematic nature of mechanical flow switches is founded in their inherent moving parts, which have always been prone to different media-based malfunctions like deposits, sticking and corrosion. These circumstances result in frequently missed flow decrease detections or complete flow break down.

## Solution...

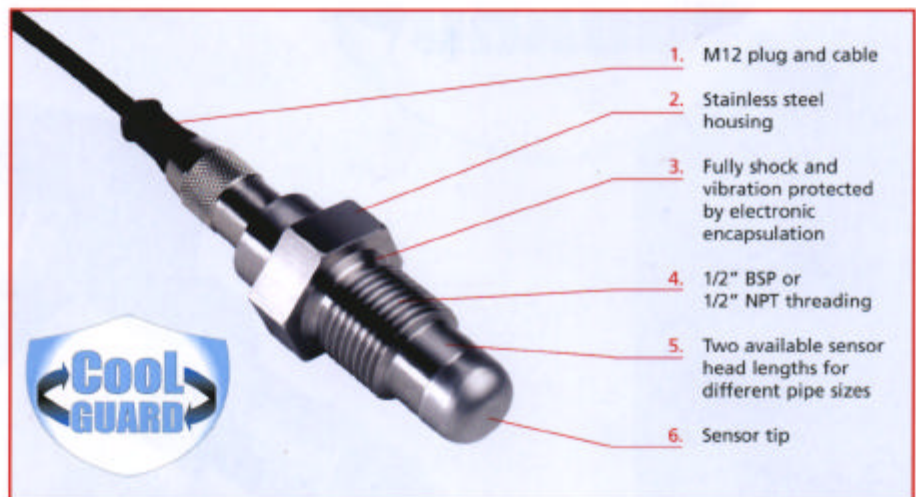
### flow-captor CoolGuard

**flow-captor CoolGuard** is the all-in-one solution for these problems.

As an electronic sensor it contains no moving parts at all, thus eliminating problems from the beginning. Furthermore, **flow-captor CoolGuard** combines monitoring of the coolant's flow and temperature in only one device.

### flow-captor CoolGuard

guarantees an optimum of safety with this double protection.



For over 50 years weber Sensors has been a leader in sensor innovation worldwide. From these activities the captor group evolved, providing engineered solutions for industrial automation and factory floor communication throughout the world.

The captor group is a unification of companies from a variety of industries and technologies addressing the marketplace under the captor umbrella. The members of the captor group are sharing resources and Know How and most important - share and benefit from the

market recognition of the trade mark "captor", that stands for products and services you can rely on.

Members of the captor group are world-wide. For more information, please contact us.

