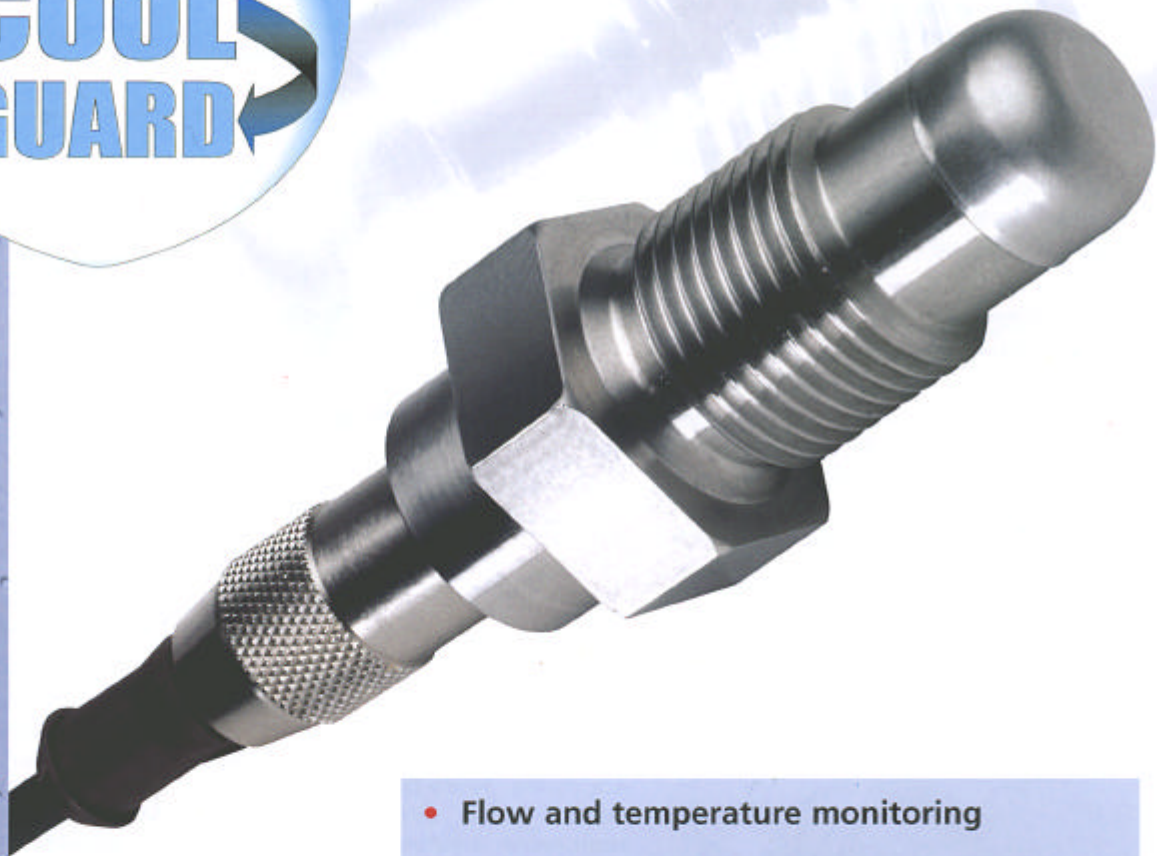




NEW

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...

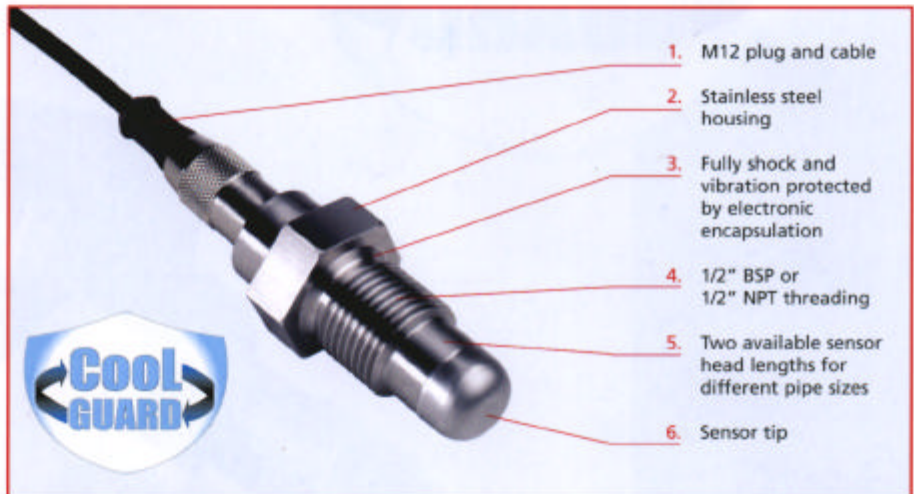
flow-captor CoolGuard

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.

