

The latest innovation
from
Glass Solutions
Centinel
Reaction safety monitor



Centinel – *for the ultimate in reflux safety*

Centinel protects against the risk of fire and flood as well as being the first purpose-made laboratory timer. Furthermore, *Centinel* offers significant environmental, productivity and cost benefits

Prevent potential fires

Continually monitoring temperature and water flow, *Centinel* safely shuts down your reaction if a reading outside your set points is detected. An audible alarm will sound and the scientist will be given an error message with time and nature of failure.

Prevent damaging floods

Hoses occasionally split or become disconnected; glassware may fail, leading to significant water loss. *Centinel* continually monitors water-flow and sensing these failures, quickly shuts off the water supply and simultaneously cuts power to the heating device. An audible alarm will sound and the scientist will be given an error message with time of failure.

Superior Timer Function

The unique timer facility allows scientists to quickly set reaction duration (up to 72 hours) and leave, safe in the knowledge that *Centinel* will switch off the heating device at the end of the reaction time and after a cooling period, will stop the water flow. This enables the scientist to quickly and safely start reactions later in the day for over night and weekend working.

Environmental Benefits

Until now, the scientist has had no accurate way of measuring the volume of water used when refluxing reactions. *Centinel* has a highly accurate flow sensor, monitoring and displaying the *actual* water flow rate. This allows scientists control over cooling water flowing through the condenser and in turn reduces the amount of water wasted.

Versatility in Design

Centinel has been designed to work with all standard laboratory reactors, heating devices, mantles and water baths up to 3kw.

Find out more

Please contact Glass Solutions to find out more or to arrange your FREE *Centinel* demonstration

Part numbers

Centinel including thermocouple, flow sensor and solenoid valve 02-CEN-1000

Couplings for the solenoid valve to water outlet need to be ordered separately. Please contact Glass Solutions for advice on suitable components, part numbers and pricing.

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