

PUMP CAVITATION RISK INDICATOR

Non intrusive temperature sensors with our cloud-based monitoring system to provide 24/7 alerts to the conditions that cause pump cavitation



Boiler feed pump cavitation causes increased mechanical wear, reducing operating life and increasing the chances of rapid unexpected failure, resulting in unplanned outages, reactive maintenance and purchasing.

Worn or damaged pumps also lose efficiency, increasing overall energy consumption.



Excessive inlet feedwater temperature indicates a higher risk of cavitation.

The forming vapor pockets or cavities in the process fluid affect the pump as they rapidly form and collapse.



BENEFITS

MAINTENANCE & REPAIR



Identify the conditions that can cause pump failure, before any failure occurs.

HEALTH, SAFETY & ENVIRONMENT



Help eliminate the conditions where noise caused by cavitation affects working environment.

PROCESS PRODUCTIVITY



Monitor working conditions of key steam plant components, protecting them to protect your process productivity.

MONITOR YOUR SYSTEMS HEALTH THE RIGHT WAY



EQUIPMENT

The supply and installation of suitable, non-intrusive sensing equipment (zero downtime) and an independent wireless network, for the period of the installation.



DASHBOARD

24/7 access to Spirax Sarco's Digital Dashboard tool, providing insights into data trends and alarm threshold visualisation, for a period of 12-months.



REPORTING

Two level reporting
Operational status review and report issued within 6-12 weeks of connection. Followed by a second report towards the end of the 12-month period.



REVIEW

Each report is supported by a discussion, either in person or remote with a Spirax Sarco steam specialist.

In addition, Spirax Sarco provide an annual steam system diagnostic check and review alarm thresholds, validating both sensor and Digital Dashboard functions and settings.

EQUIPMENT SPECIFICATION

Sensors

- 2 x PT1000 temperature sensors.
- Sensing range from -180 to +250 °C, each with 2-metre cable.
- Powered by replaceable 3.6 V lithium battery with low level alert.
- IP-rating of IP65.
- For use indoors or outdoors within industrial environments.

Gateway

- Plug and play gateway with LoRaWAN interface and 4G connectivity.
- Supplied with roaming SIM card, mains power cable and LoRa antenna* (* on selected models).
- IP-rating IP20.
- For use indoors in dry environments.

DASHBOARD SPECIFICATION

Dashboard

- Accessed anywhere, any time, on any device with a web-browser.
- Data historian for remote trending of process values, in near-real-time and historically.
- Hosted on Microsoft Azure for high availability, up-time and data security.

Get connected, today!

Contact your local sales representative

[spiraxsarco.com](https://www.spiraxsarco.com)



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