



VAPORIZED HYDROGEN PEROXIDE STERILIZERS

PRODUCT: Models 290, 209 & 265

APPLICATION DETAILS:

The customer is a leader in infection contamination prevention in the healthcare and pharmaceutical industries, providing high quality vaporized hydrogen peroxide sterilizers. VHP sterilizers remove humidity from an enclosure and hydrogen peroxide vapor is rapidly injected by a generator to reach an effective concentration to sterilize equipment. These vapors effectively remove micro-organisms that may be present, sterilizing the enclosure. The generator then reverses the process, breaking down the hydrogen peroxide vapor into environmentally friendly elements.

CUSTOMER PROBLEM:

Fleet of sensors needed for high accuracy application

Having accurate measurements of hydrogen peroxide levels within the sterilizers is critical for the customer's application. Without precise target levels, micro-organisms can still be present in the enclosed area, resulting in an unsterilized environment. Since the customer has different levels of accuracy measurement within their sterilization process, they require a variation of sensors.

SETRA SOLUTION:

Setra was able to provide the customer with three solutions: Models 290, 209 and the 265. Of the three, the most integral was the 290, since the customer needed to increase their ability to measure nozzle accuracy in the vapor along with raising accuracy of the level management. The Model 290's Tri-Clover style fitting allows for seamless integration within the customer's current design.



WHY SETRA WON:

Provided sensors that can withstand all customer deployments

Setra was able to provide the customer with the Model 290, which had an extended temperature range for both linearity and accuracy that would meet the requirements for every possible deployment the customer has (20 to 50°C). Setra also customized its sensor to adapt to the customer's power supply requirements for both the old and latest barometric models. The Model 290 also allowed for low current draw, high accuracy and a small footprint.

SETRA STRENGTHS

- High Overpressure Protection
- $\pm 0.20\%$ FS Accuracy
- Robust Non-Liquid Filled Capacitive Sensor
- Insensitive to Thermal Shock
- Meets 3A Sanitary Standards