VAPORIZED HYDROGEN PEROXIDE STERILIZERS

PRODUCT: Model 3550

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:

High sensor failure rate from corrosive elements

The customer was using a pressure transducer that had 17-4 SS wetted materials, which was not corrosive resistant to vaporized hydrogen peroxide used in their sterilizers. This caused high risk for sensor failure and leakage of the vapor from within the enclosure. The customer requires a high performance rugged sensor that can withstand the hydrogen gases.

SETRA SOLUTION:

Setra provided the customer with the Model 3550, a pressure transducer compromised of 316L SS wetted materials that is resistant to corrosive gases. While other sensors on the market also utilize 316L SS material, the 3550 is priced competitively and offers low pressure levels required by the customer's application. The Model 3550 utilizes a modular design offering multiple pressure fittings and electrical connectors, enabling easy installation into the customer's sterilizers.

WHY SETRA WON:

Provided rugged corrosive resistant sensor for long product life

Setra gave the customer a 316L SS sensor that could withstand the corrosive hydrogen peroxide vapor. The sensor maintains a strong price-to-performance ratio for a low pressure unit, while having a small footprint.

SETRA STRENGTHS

- ±0.25% FS Accuracy

- 316L SS Wetted Parts

- High Price-to-Performance Ratio

- Small Footprint

- Corrosion Resistant

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