

Designed For Performance and Reliability

Series S sensors are designed to meet strict sanitary requirements and provide top performance in a wide variety of applications.

The Burns design team, through their participation in the ASME-BPE Standard Committee on BioProcess Equipment (BPE) and the 3A Sanitary Standard organization, understands the important design characteristics necessary to ensure performance and cleanability for sanitary operation.

3A, #74 Conformance:

Detailed attention to the design, material, and fabrication criteria set forth in the most current revision of 3A Sanitary Standard number 74. Look for the 3A logo on approved products.



BPE Standard:

The guidelines regarding Metallic Materials (MM), Material Joining (MJ), Sanitary Design (SD), and other parts of the BPE Standard are a core consideration within the Series S product design as a Process Instrument (PI).



N.E.T Solution™:

The N.E.T Solution design provides an assembly with No Exposed Threads that eliminates the cracks and crevices where bacteria, dirt or other unwanted material can hide. Watch for the N.E.T Solution reference throughout the Series S.

Documentation & Material Traceability:

Burns Engineering offers, as standard, the most common certifications required for sanitary applications. For all Series S sensors and thermowells that contain “wetted” surfaces, the heat numbers of all “wetted” materials are marked on the extension and a material traceability certificate is included. A certificate of surface finish and electropolish are automatically provided when applicable - no need to specify these certifications.

All certificates are supplied in hard copy as standard practice. Several electronic formats are also available upon request.



Custom documentation packages and NVLAP accredited calibration can be supplied to meet all of your quality and validation requirements. Contact your local Burns representative or Burns Customer Service for more information on custom documentation packages.

