

## **NCG sensor for steam sterilization: the latest breakthrough for maximum patient safety in every steam sterilization process.**

Riese Pio X - February 4<sup>th</sup>, 2022

Steelco is proud to present the first sensor that is able to measure the amount of non-condensable gases (NCGs) in every steam sterilization process.

Steelco offers a comprehensive series of steam sterilizers that fit every production need in a sterilization department. Equipped with manual or fully automated loading and unloading systems, Steelco steam sterilizers maximize throughput and productivity. Together with the SteelcoData software suite, software for archiving all process stages of the equipment and instrument management, this portfolio ensures full traceability of the activities within a sterilization department.

Steelco already provides the revolutionary 4D<sup>IR</sup> sensor which measures the steam penetration within every load of a steam sterilization process. This breakthrough technology ensures that during every sterilization process the steam penetration measured represents the most complex instruments, long lumen instruments. The 4D<sup>IR</sup> sensor is a permanently mounted measuring device on the outside of the sterilizer chamber with a representative tube inside the chamber. The sensor guarantees that the measured values required for sterilization conditions are met at the instrument level. This results in maximum patient safety and reduced handling by the operation staff due to the fact that additional tests, like steam penetration test, are no longer needed.

Besides adequate steam penetration it is also of great importance that the quality of the steam and conditions in the chamber is measured in every sterilization process. The NCG sensor is able to measure in real-time the amount of non-condensable gases in the chamber during every sterilization process. According to the standards, a maximum of 3.5 % of NCGs in 100 ml of condensate is allowed. The NCG sensor will provide the exact value of NCGs in every sterilization process, which provides operators with the most reliable and efficient steam sterilization processes possible. The NCG sensor is mounted directly on the chamber and is maintenance free. It further reduces the need for separate test cycles which results in increased sustainability, less consumption, reducing waste and the need for staff to perform separate tests.



Steelco's first priorities have always been safety and operator ease of use, and in the continuous strive for flexibility, customization and excellence. Steelco steam sterilizers equipped with the NCG sensor and the 4D<sup>IR</sup> sensor provide ease of use, minimal consumption and automatic recording of all relevant parameters in every production cycle.

Steelco is proud to be selected by SolidToo, as the manufacturer of the NCG sensor, to be the exclusive worldwide distributor of this breakthrough technology.

NCG Sensor has been officially launched during Arab Health in Dubai (24-27 January 2022).

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**STEELCO S.p.A.**

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