

Highly qualified manufacturing personnel guarantees to the client the final product of the most sophisticated standards



PRODUCTS

R&D Autoclavable & SIP Fermenters-Bioreactors

Pilot & Industrial Bioreactors - Fermenters

Process Plants

Controllers

Combined CO₂ and O₂ Gas Analysers

Downstream Equipment

CIP - SIP Systems

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CIP - SIP Systems

Cleaning-In-Place and Sterilization-In-Place

Solaris develops Cleaning in Place (CIP) and Sterilization in place (SIP) systems for reliable and repeatable processes that covers strong hygiene regulations demanded by the food, dairy, biotechnology and pharmaceutical industries.

Single or Multi-tank configuration, with independent, stainless steel tanks used to hold water of different quality, Deionized water (DI), hot or cold water for injection (WFI) and water from reverse osmosis units (RO). Washing Cyclic Operatios in sequences: Wash down rinse, Acid wash , Alkaline wash, Wash down, Final wash. Fully automated or manual as well. Washing processes controlled via the operation panel of the CIP/SIP unit.

Touch screen HMI to set up washing processes: number of tasks / repetitions of tasks, amount of litres (water, WFI), dosage of detergents, temperature of the CIP fluid, washing pressure, purge (drainage of process equipment and CIP/SIP unit with compressed air), total times.

