

Cleaning-in-Place

CIP



The Principle

The purpose of Cleaning-in-Place (CIP) is to remove contaminations from wetted surfaces inside tanks, pipework and filling machines. A CIP cycle consists of various steps, e. g. pre-rinse with water, flushes with caustics and acid solutions, intermediate and final rinse with water. Detergents are sometimes used to enhance cleaning performance. Depending on the system, after each cleaning step the cleaning media is either routed to drain (lost CIP) or back to the storage tank for later re-use (batch CIP). Temperatures, flow rates and times are adapted to the system dimensions and the cleaning tasks. Hot cleaning regimes use hot caustic and/or hot water. In cold cleaning regimes all media have ambient temperature. Centec provide a large variety of CIP systems. They can be small and mobile single channel units, or large stationary multi-channel systems, including storage vessels for cleaning media and rinse water recovery. CIP systems are designed by Centec in such a way that optimal cleaning results are ensured.

Technical Data

Capacity

according to requirements

Cleaning Media

purified water, caustics, acids,
disinfectants, chemical additives

Material

according to requirements

Options

double seat valve technology
water purification
CIP storage tanks (optionally insulated)

Highlights

Cleaning concept ideally configured to requirements
Maximum product safety with mix-proof valve technology
According to cGMP, FDA, etc. and qualified (DQ, IQ, OQ) if required

The Centec Group

Centec offer fully automated, skid-mounted process units and high precision measurement technology from a single source. Our systems and sensors are engineered to perfectly meet the most demanding requirements of the brewery, beverage, food and pharmaceutical industries. With a team of experienced engineers, we aim to create quantifiable added value for our customers. We are your partner from planning and design through to commissioning of your plant.



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