


CLEANING IN PLACE (CIP) SYSTEM

INOXTORRES designs and builds CIP systems to clean machineries created for preparation, process and transfer lines that are used for the pharmaceutical and cosmetic industry.



Description:

CIP Inoxtorres cleaning systems are designed according to the cleaning needs of our customers to ensure a complete cleaning of their equipment within their process plants.

Our machines are oriented to provide a complete, fully automated solution that facilitates start-up and qualification tasks.

That is why our solutions are supplied in easy to install benches, which integrate all the necessary components for the control of the cleaning process, as well as the system of control and automation of the same: tanks, delivery systems, dosing of cleaning agents, heat exchangers, etc. We also design and manufacture movable and compact systems to bring cleaning to equipment without the need for a pipe installation.

The equipment is manufactured in high quality stainless steel, using orbital or TIG type welding methods. We can reach any internal finish that the client requires from polished mirrors up to $Ra < 0.4\mu m$ to electro polished.

As for the qualification of the equipment, they are tested and validated according to very strict quality protocols.

Our equipment is able to integrate one or multiple tanks, from 100 to 5,000 liters, with the option of integrated electrical resistances.

Advantages:

- 100% flexible design, depending on the needs of the end user.
- High performance, optimizing energy and service consumption.
- Components of first brands.
- List of pre-filled recipes.
- Easy integration with the rest of the plant components.
- A high quality equipment, with GMP design, and complying with all the norms in force (PED 2014/68 / CE, CE Marking, ASME BPE, etc ...)

SAFETY:

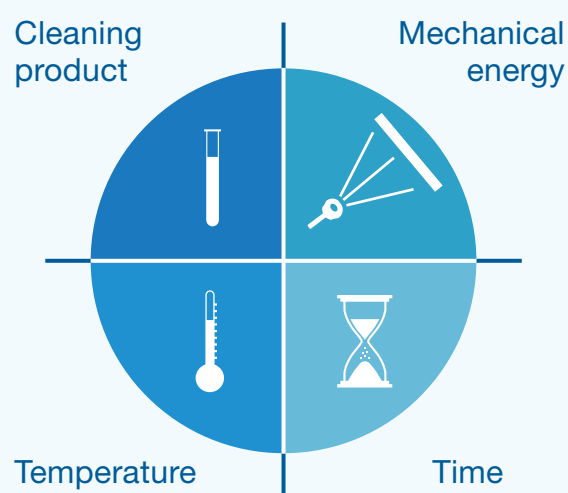
In cleaning, it is essential to adjust the parameters of pressure, temperature, cycle time and composition of the cleaning solution. That's why our systems adjust all these parameters in a precise way to guarantee a correct, validated and cyclical cleaning.

CIP system can also control Sterilization In Place (SIP) by feeding clean or pure steam from a generator set.

By this way, cleaning and sterilization are made by a single equipment, minimizing installations and control systems.

OPTIONS AND ACCESSORIES:

- Diaphragm valve.
- Flow control.
- Recirculation with pump.
- Conductivity control in drainage.
- Communication with equipment.
- Software validation.
- Dosing tanks.
- Valves with limit switches.
- Plate or tube heat exchanger.
- Fixed or movable bench.



RANGE OF PRODUCTS "RMGMP Models" * :

CIP - -

F - Fixed
M - Movable

O - Without dosage
S - 1 dispenser
D - 2 dosing

O - Tankless
V - 50 - 3000 L

P - Plate heat exchanger
T - DTS exchanger
E - Electric resistance

O - No recovery
O - Recovery of CIP OUT



The dimensions of these products can be adapted to the needs of the user.