



## CIP unit




Our CIP units are fully-automatic cleaning modules, designed for cleaning of piping, tanks and other sealed processing equipment in the food and processing industry. A CIP unit is incorporated into the processing plant and is designed for automatic cleaning and disinfection without dismantling the processing plant.

A CIP unit from Unitstaal is a solution that functions optimally and is adapted to your exact requirements. The cleaning process involves the CIP unit pumping cleaning solution around the sealed system. Control of the entire cleaning process is fully automatic from start to finish.

A basic cleaning solution is used to remove grease, while an acidic solution is used to remove lime, protein and scale deposits. Unitstaal's solid design principles are based on many years of experience in how to achieve an optimum solution - accomplishing the required level of cleaning using the minimum amount of chemicals, water and energy, and thus optimising total costs.

The basic unit is compact and factory-constructed on a stainless steel frame, with the capacity adapted to your requirements. Delivered complete with control system and function-tested.

## A Unitstaal solution provides:

-  The required level of cleaning
-  Minimum usage of chemicals, water and energy
-  Optimisation of total costs. – maximum production time



**The dimensions for a basic unit are:**

Length	1,670 mm
Width	1,050 mm
Height	2,300 mm

The basic unit is supplied with 1-3 flow lines.

Capacity of 4,000 – 75,000 l/h.

**The following can also be supplied as additions to the basic unit:**

- Caustic soda and acid dosing system.
- Dosing of chemical sterilising agent.
- Function for collection of marginal products.
- Tanks for caustic soda, acid and clean rinsing water.
- External servicing of control system

**Technical data**

Data for typical CIP solutions given as peak consumption.

	Mini	Midi	Maxi
Flow capacity	4.000 – 20.000 l/h	15 .000 – 30.000 l/h	25 .000 – 75.000 l/h
Flow pumps	1.5 – 4.0 kW - 50 hertz	5.5 kW – 50 hertz	11.0 kW – 50 hertz.
Water consumption	4.000 – 20.000 l/h	15 .000 – 30.000 l/h	25 .000 – 75.000 l/h
Steam at 3 bar	125 – 620 kg/h	460 – 920 kg/h	770 – 1840 kg/h

Unitstaal A/S is an established supplier of stainless steel units for the processing industry. Unitstaal is highly specialised within engineering and production, with 25 years of experience. Our customers are prominent companies within the food, medical and chemical processing industries in Denmark and on export markets. They set demanding requirements for us, which we satisfy, and we are known for high quality, delivery reliability and unique design. Our product range currently consists of a series of welldefined units, including CIP units, pasteurisation units with heat recovery, reception units, mixing systems and pilot plants.