

# HD CIP Systems

HD CIP Systems are a central integration system, mainly composed of single or multiple cleaning fluid Storage Tank and pipe, distributor, booster pump, recirculation pump, pneumatic control valve, acid-base metering pump, plate heat exchanger, temperature control instrument, electrical conductivity detector, liquid level controller, PLC, touch screen, control cabinet and system pipe valve parts, etc.



**Standard Cleaning Process** Procedure – Time – Temp

		Temperature
Water prewash	3min ~ 5min	40°C ~ 50°C
Alkali wash	5min ~ 15min	60°C ~ 80°C
Intermediate washing	3min ~ 5min	40°C ~ 50°C
Acid pickling	5min ~ 10min	60°C ~ 80°C
Finally water washed	3min ~ 5min	40°C ~ 50°C

## Feature

- In-place cleaning, easy to operate, safe, low labor intensity, high work efficiency
- Clean thoroughly, achieving disinfection sterilization, and guaranteeing the sanitary requirements, is helpful to improve product quality.
- Pipelining type cleaning to reduce the occupying room.
- Detergent can be recycled, high utilization ratio saving steam and water.
- Less wearing parts, equipment, long service life.
- Suitable for large, medium and small equipment cleaning.
- Cleaning can be programmed and automated.

## Application

Widely used in the beverage, dairy, juice, beer, sugar, biological pharmaceutical automatic production process. The small portable CIP online cleaning system mainly used in biological fermentation, the pharmaceutical industry.

## Normal Model And Main Technical Parameters

Parameters	Model	HDCIP-0.5	HDCIP-1	HDCIP-2	HDCIP-3	HDCIP-4
Acid tank Volume (L)		500	1000	2000	3000	4000
Alkali tank Volume (L)		500	1000	2000	3000	4000
Hot water tank Volume (L)		500	1000	2000	3000	4000
Heating method		option for Coil, plate, tube heating, electric heat pipe heating				
	Follow Rate (m <sup>3</sup> /h)	10	10	20	20	30
Pump	pump head (m)	24	24	36	36	36
	Power (kw)	2.2	2.2	4.0	4.0	5.5

The above-mentioned data is the standard, for reference only. It can customize according to customer's requirements. CIP cleaning system selection should provide technology Parameter: Acid, alkali, tank volume, degree of automation, heating mode, special requirements, etc