

# Automatic & Manual CIP System

## CIP (Clean-in-Place) System



### Product Information

The manual Clean-In-Place(CPI) unit fulfills the essential role in adhering to the cleaning standards of food and beverage industry. It is equipment with high quality components such as top quality washdown duty pump, UL compliance electric part etc. On the other hand, an Automatic CIP system provides operators with greater freedom by offering predefined cleaning sequences facilitated by automatic control valves controlled through a PLC (Programmable Logic Controller) and a user-friendly interface. This automation streamlines the cleaning process, reducing manual intervention and ensuring consistency in cleaning procedures.

### Example of 200L Manual CIP System

#### ***Mechanical Configuration :***

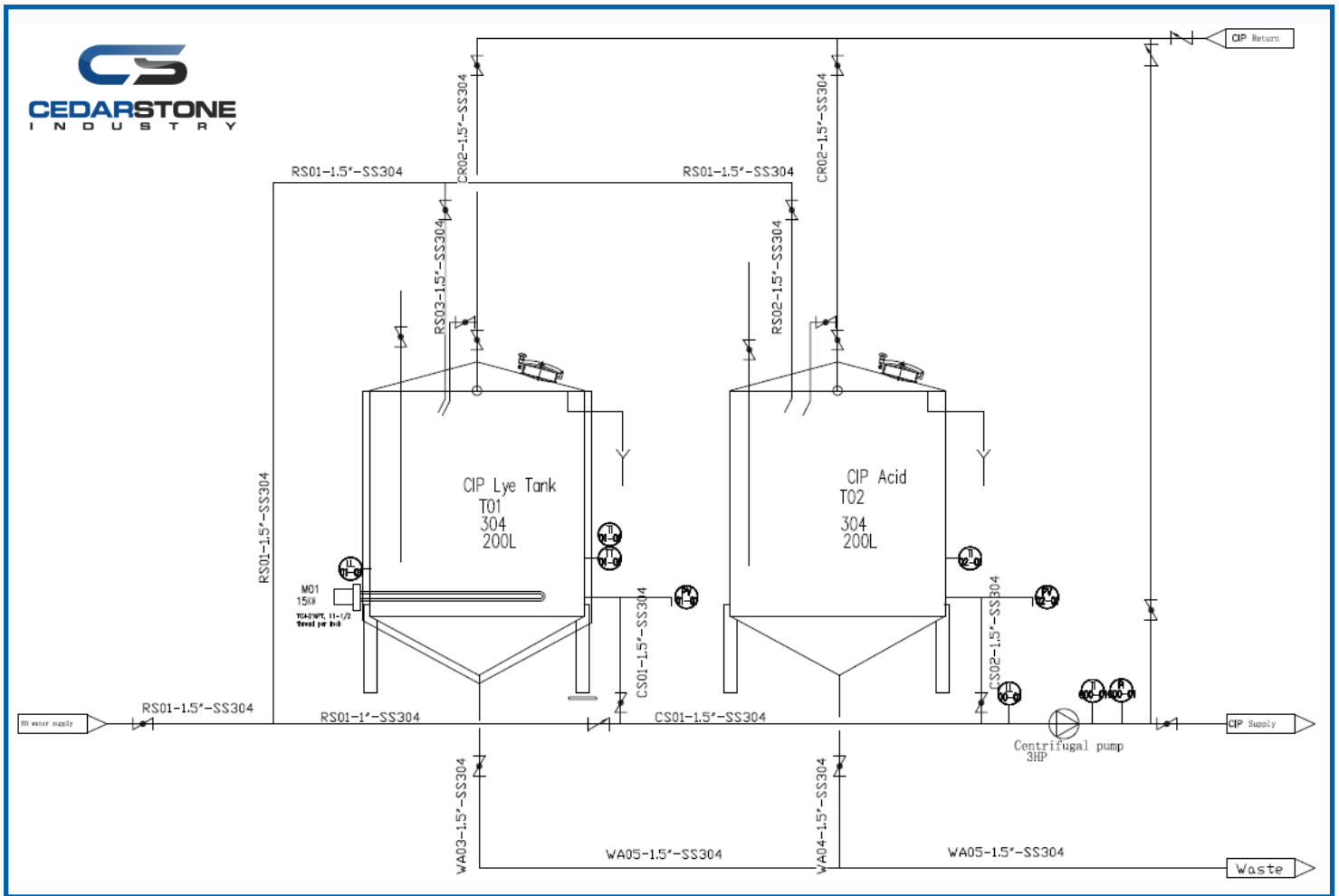
- 200L insulated Caustic Tank, hinge lid, CIP ball included, sight glass for level indication
- 200L single wall Acid Tank, hinge lid, CIP ball included, sight glass for level indication
- Stainless steel 304 construction
- Skidded configuration to include control, pump, electric instrument
- 4 Rubber wheel on bottom.
- 4 Adjustable stainless feet to set the skid in place
- UL compliant electric component
- Temperature gauge reading in Caustic Tank

#### ***Electric Control Specification :***

- 2 x 7.5 kw Incoloy immersion heating element, 480v, 3 phase, 60hz in Caustic Tank, CE marked; CSA certified
- 1 x 3HP wash down duty, AMPCO CIP Centrifugal Pump, with variable speed control
- Temperature, and Level monitoring
- Level Switch located in caustic for Pump Protection
- Automatic and Manual Operation Mode.
- Tank Level Control and Monitoring System.
- UL compliant electric component and fabrication



## PID of 200L CIP System



## PORTABLE CIP PUMP CARTS

Cedarstone Industry CIP carts are an affordable way to meet your washdown needs and to be sure of a tough, durable design. With options for 2, 3, and 5 HP? Our pump carts feature an entirely stainless steel NEMA 4X enclosure, 230 VAC ABB VFD, and an ESD button in case of any emergencies. Never one to skimp, our carts are supplied with an Ampco centrifugal pump (an ISO 9001:2015 Registered Company). Ampco Pumps Company has provided quality pumps to the sanitary, marine and industrial marketplace since 1948 and is manufactured here in the USA just like our carts!

- 100% 304 stainless steel cart construction
- Solid rubber wheel on the bottom.
- Washdown duty Ampco (or equivalent) CIP Centrifugal pump customized to provide maximum impact force
- Reliable, Energy efficient and safe ABB( or Inventec) VFD drive provide accurate speed control and maximum pump protection
- NEMA66 Standalone VFD provides ultimate protection from the worst and aggressive environments such as water, dirt, dust, caustic, light acids and other light chemicals.



(281) 397-3700



info@cedarstoneindustry.com



www.cedarstoneindustry.com

