401. MOBILE CLEAN IN PLACE SYSTEM- "M-CIP"

Function:

M-CIP systems are engineered in to provide a portable solution for clean in place in pharmaceutical and biopharmaceutical plants. Used for smaller CIP duties or when CIP needs to be moved from point to point They provide a cost effective CIP solution. The system is built in line with ASME BPE specifications. It incorporates a CIP buffer vessel for storing and delivery CIP fluids along with the requisite instrumentation and control system.

Features:

- Suitable for 1.0" OD(Dia 25.4 x 1.65 thk) tubes and 40 meters head
- Suitable for cleaning tanks with 610 mm inside diameter.

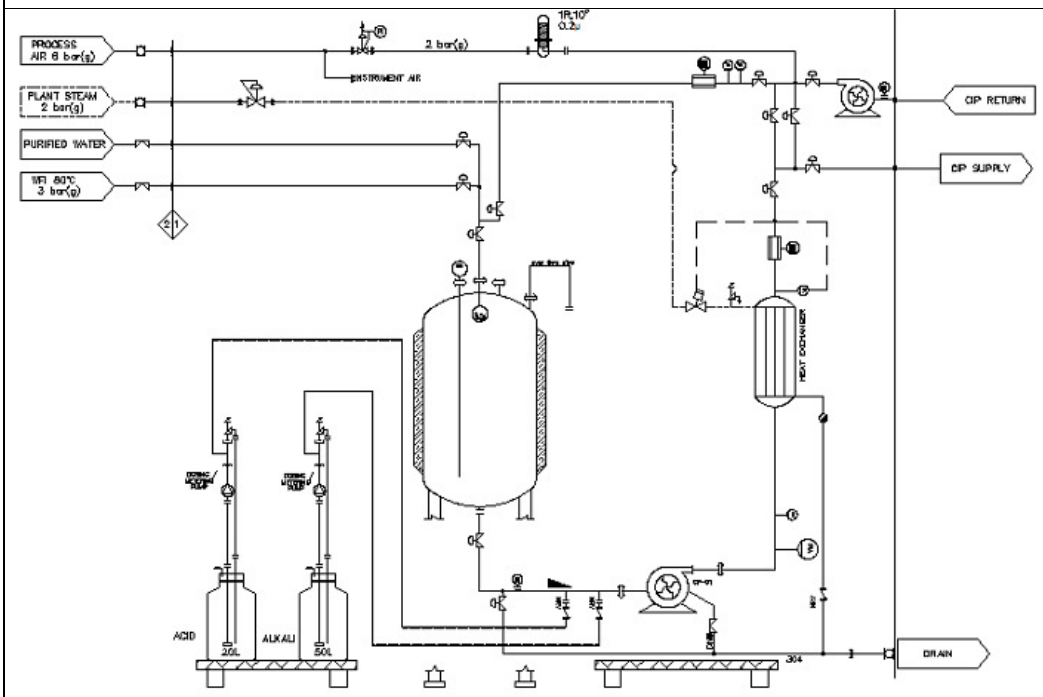
Mechanical and Instrumentation:

- 250 Litres CIP buffer vessel with double wall insulation for storing, batching and delivering CIP fluids.
- Hygienic CIP supply(2.1 m^3/hr)and return pumps
- AC variable control for the CIP supply pump.
- Acid and Alkali dosing units
- Pressure, Temperature, Flow and Conductivity instrumentation
- Hygienic pneumatically operated diaphragm valves.
- Shell and tube heat exchanger
- Stainless steel piping-AISI 316L
- Stainless steel frame-AISI 304
- Material: Contact parts: AISI 316L
  Elastomer: Silicon, PTFE

- Orbital welding as per ASME BPE guidelines.
- Finish: Internal Ra< 0.5µ and electropolished.

Control:

- Stainless steel Panel-AISI 304.
- Simple versatile automatic control system
- User Interface: Touch screen HMI
- Hygienic pump is controlled by an AC variable drive.
- Colour graphic touch screen interface which includes the flow path of the system.
- Time stipulated CIP cycles including conductivity monitoring.
- Printout of important process variables during the CIP cycles.
- Password control



Applications:

- Biopharmaceutical
- Pharmaceutical
- Food
- Beverages

Ordering Information:
401-000-000

For further details contact our application specialist.

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