

# Cleaning in place (CIP) skids



**Turnkey Facility Solutions**  
*From Conceptual Designs to Commissioning & Validation.*

**pharmaaccess**  
Engineering a Healthier Life

Pharma Access designs CIP / SIP systems for completely automated operation to meet CIP requirements in accordance with desired SOP'S / URS.

During the design & implementation phase of our CIP Systems the seamless integration of the CIP Skid, the equipment & systems to be cleaned and the CIP supply & return lines are analysed in – depth.

## Our Systems are designed with:

- Optimization of Cleaning – In – Place process to meet clients requirements / SOP's
- Necessary communications with subjected vessel
- Fabrication to FDA defined sanitary cGMP Regulations and ASME BPE standards
- Highest quality components
- Fully drainable
- Free from any dead leg areas
- Plug and play
- Control software that is fully compliant with 21 CFR part 11



## The skid is complete with Instrumentation for Monitoring and Validation of CIP Process including:

- Connectors for sensors and process I / O cables
- PLC
- Indicators cum Transmitters (for Temperature, pH, Flow & Conductivity)
- Necessary interlocks for safety of personnel and equipment
- Touch Screen Panel Operator interface mounted on front panel
- Manual mode for all the control loops
- Self cleaning of CIP system after finishing CIP cycle

## Comprehensive DQ / IQ / OQ documentation is generated throughout the equipment fabrication and provided on delivery.

