

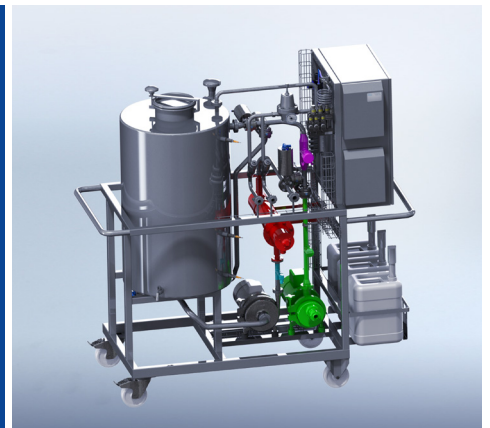


## MiniCIP

### MOBILE SUPPLY STATION FOR CLEANING AND DISINFECTION

Our smallest Cleaning In Place systems ensure reliable cleaning wherever a large CIP system is not economical. The MiniCIP can be used as a lost CIP system, which provides a fresh cleaning solution for the cleaning process and drains it afterwards. Or the MiniCIP can be used as a circulation CIP system, where the cleaning solution is prepared in the tank and kept at a constant temperature in a circuit.

LOEHRKE CIP systems are optimally adapted to the respective customer requirements, with a simple target: maximum cleaning effect with minimum use of resources.



## SPECIFICATION

- MiniCIP with single tank
- Standard size 300 liters in stainless steel version 1.4301
- Standard circulation rates (4,000, 8,000, 10,000 l/h)
- Tank and components mounted on frame (stainless steel)
- Disc valve with hand lever
- Hot and cold water connection threaded connection DN 20, DIN 11851
- CIP flow and return connection threaded connection DN 25 or DN 40, DIN 11851
- Air connection with pressure reducer (quick coupling)
- Mobile version with parking brake monitored in safety circuit
- Stainless steel version 1.4404
- 3/N/PE 400/230 V 50 Hz connection/pre-fuse 32 A/CCE plug

## OPTIONS

- Electric heat exchanger 12 kW with temperature control
- Disc valve with pneumatic actuator
- Double injector system (acid & suds)
- Triple injector system (acid, suds & disinfectant)
- CIP pressure sensor in the CIP flow
- CIP return pump
- CIP return flow – conductivity measurement
- CIP return flow – flow rate switch
- Automated execution
  - PLC control
  - HMI touch display for system operation
  - Storing of different parameter sets for different cleaning objects
  - Selection of different operating modes possible

## OPERATING MODES

- Master with interface to the customer
  - All parameters relevant to cleaning are stored in the MiniCIP control
  - Enable signals and interfering signals are transmitted to the control of the MiniCIP via a standardized data interface of the object to be cleaned and evaluated
  - Adjustable communication parameters via the HMI of the MiniCIP
  - Data connection via Profi-Net
- Slave with customer interface
  - All cleaning relevant parameters are stored in the control of the object to be cleaned
  - Enable signals and interfering signals are transmitted from the MiniCIP to the object to be cleaned via a standardized data interface
  - The cleaning is started and stopped centrally from the object to be cleaned via a standardized data interface to the MiniCIP control
  - Communication parameters adjustable via the touch display
  - Data connection via Profi-Net
- Stand-Alone, without interface connection
  - All parameters relevant to cleaning are stored in the MiniCIP control
  - The cleaning is started and stopped centrally via the HMI touch display on the MiniCIP without evaluation of enable signals
  - No data interface from/to the object to be cleaned