

Mobile CIP



A COMPACT & COST-EFFECTIVE SOLUTION FOR YOUR CLEAN-IN-PLACE NEEDS



INTRODUCTION

Axiom's standard CIP system has been designed with mobility, versatility and hygiene at the forefront of its design. The system comes with setup and support from our dedicated team of chemical engineers, including advice selecting the appropriate chemical recipes to effectively clean your equipment.

To serve as a plug and play option for a wide range of industrial applications, the Compact CIP comes with a range of control options from manual to fully automatic. Options include pre-programmed CIP recipes via a panel-mounted touchscreen HMI and PLC to ensure optimum cleansing and repeatable results by monitoring process parameters.

All process equipment is mounted on framework, with multiple termination points contained within its footprint for adaptable use across site. The Mobile CIP System is ideal for the cleaning of process vessels with installed spray ball devices, pipework runs, pilot scale equipment and much more. Its hygienic design and selection of certified equipment promotes its suitability for food, beverage, brewing, dairy and animal feed production facilities, as well as universities, R&D centres, and start-up companies.

With ongoing technical advice available if required, Axiom's Mobile CIP System is an all-in-one solution to your process-cleaning needs.

FEATURES

- 304 Stainless Steel framework & electrical enclosure.
- 316L Stainless Steel pipework & vessel.
- Designed and built to EHEDG & ASME BPE hygienic principles.
- Diamond box section, sloped electrical enclosure, inverted vessel, and food grade castors for automatic run-off during wash down.
- Low centre of gravity & balanced skid for ease of manoeuvring by a single operator.
- Compact design for access in the tightest facilities.
- FDA approved seals & product contact materials.
- Multi-outlet valve manifold.

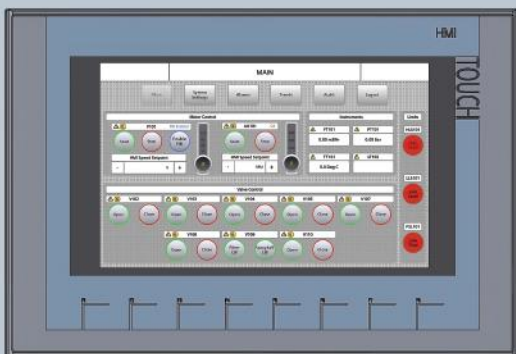


FIG. 1- HUMAN MACHINE INTERFACE (HMI) HAS USER-FRIENDLY TOUCHSCREEN

SPECIFICATION

Equipment	Parameters	Eco Skid	Optimum Skid	Additional Options
CIP Tank	Volume	300L	350L	400L
CIP Pump	Centrifugal Hygienic, Speed Controlled	4,000lph @ 5.7 bar	4,000lph @ 5.7 bar	7,000lph @ 5.7 bar
CIP Heating	Electric Element	1 x 18kW (0-70°C in 72 mins)	1 x 18kW (0-70°C in 95 mins)	2 x 18kW Electric Elements (0-70°C in 54 mins) Or Steam Heat Exchanger
Chemical Dosing	Air Operated Double Diaphragm Pump	1 x Pumps (24lpm)	2 x Pumps (2 x 24lpm)	3 x Pumps (3x 24lpm) Electrically Driven Dosing Pump
Valves	Hygienic Butterfly Operation	Manual	Manual & Air Operated	Hygienic Dipahragm Valves Manual & Air Operated
Instrumentation	Flow	Variable Area	Electronic (24V 4-20mA)	
	Level	Visual	Electronic (24V 4-20mA)	
	Pressure	Gauge/ Dial	Electronic (24V 4-20mA)	
	Temperature	Gauge/ Dial	Electronic (24V 4-20mA)	
	pH	Sampling Point	Electronic (24V 4-20mA)	
	Conductivity	None	None	Electronic (24V 4-20mA)
Electrical Panel	Control	Push Buttons	7" HMI (Touchscreen)	12" HMI (Touchscreen)
	PLC	Pre-Programmed	Pre-Programmed With Adjustable Parametrs	
	Data Collection	None	Data Logging	
	Connectivity	None	Ethernet	
Automation	Chemical Dosing		PLC Controlled	PLC Controlled
	CIP Return Monitoring			PLC Controlled



SECTORS

- Pharmaceutical
- Biotechnology
- Food, Beverage & Dairy
- Brewery & Distillery
- Cosmetics & Toiletries
- Chemical & Textiles

