



Full auto Cleaning System

Cleaning Systems (CIP) are used to clean bioreactors, fermenters, mix vessels, pipping and other equipment. The CIP is equipped within a 100L vessel and fully prepared to carry out the 6-Phase Cycle.

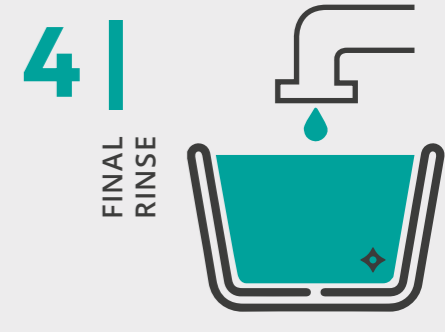
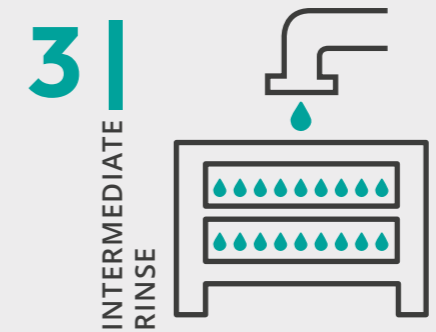
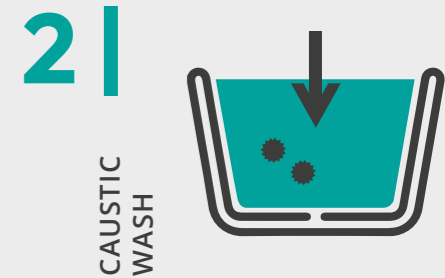


COMPACT VESSEL

Standard 100L vessel of 316L stainless steel is installed to clean a large volume equipment.

*Customizable to higher volumes.

6-Phase Cycle



For more details about each phase, visit our website.

HEATING SYSTEM

Optional autonomous additional WPF heating system for CIP to maintain the temperature above 70°C. It has a resistance that allows to sequentially control the power of it.



FULL AUTOMATIC

Easy configuration from a prestablished recipe for an intuitive usage.

VERY ADAPTABLE

Standard manifold of 4 outlets expandable to a higher number if required.



A cleaning recipe is performed to remove and eliminate previous mammalian cell culture batch components, in-process residues, control bioburden and reduce endotoxin levels from processing equipment and systems.

WEIGHT AND DIMENSIONS	Weight Dimensions	~ 250 kg 1650 x 600 x 1482 mm
HARDWARE	Housing Display Status indicator light	Stainless Steel, AISI 316L (SF4 according to ASME BPE) Capacitive Touch Screen, 15", glass Green: OK Orange: warning Red: alarm
SOFTWARE	©SCADA Basic ©SCADA Advanced CFR21.11 Remote access	Included Optional Optional Optional
DOCUMENTATION PACKAGE	GMP	Optional ©SCADA Advanced
BUILT-IN PUMPS	Detergent Variable Speed Recirculation Pump Sampling	1x variable speed + 1x optional 1x centrifugal pump Optional
PROCESS CONTROL SENSORS	Level (vessel) Flow sensor Pressure Temperature (vessel) Load Cells (vessel) pH Sensors (feed) Conductivity (feed) Magnetic agitation (vessel)	Control Level by pressure 2x Flow sensor for feed/permeate 3x Pressure sensor for feed/retentate/permeate Pt100 Optional Optional Included Optional
HEATING MODULE	Resistance	Optional module to heat 100L of water until 90°C in 45 minutes
UTILITIES	Power supply Gases Water services	400 V (EU) 1 ATM PW / WFI
CIP Vessel	Material Volume Sight Glass	Stainless Steel AISI 316L (SF1 according to ASME BPE) 100L or customized Optional



©PROD CIP
Cleaning Systems
DATA SHEET



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