

Clean - in- Place (CIP) Cleaning Skids

All membrane separations systems require regular cleaning in order to maintain consistent production and optimal membrane life. The symptoms of RO fouling include a decrease in normalized permeate flow, an increase in salt passage, and an increase in differential pressure. Severe element fouling can lead to irreversible membrane damage and can render cleanings difficult or impossible

Indications that a reverse osmosis unit cleaning is required:

- 10 to 15 percent decline in normalized permeate flow
- 10 percent increase in normalized salt passage
- 15 percent increase in differential pressure (feed pressure minus concentrate pressure)

Reverse Osmosis Membrane Cleaning Unit (CIP)							
	Unit	CIP-09	CIP-18	CIP-27	CIP-36	CIP-45	CIP-54
Membrane diameter	inch	8	8	8	8	8	8
Max parallel pressure vessel	Qty	1	2	3	4	5	6
Length	mm	1500	1700	1750	1950	2000	2250
Width	mm	1200	1450	1600	1750	1850	2100
Height	mm	1950	1700	1750	1800	1800	2100
Connection	DN	40	50	65	65	80	80
Weight	kg	250	300	390	420	450	550

enki reserves the right to change the specifications referred to in this table at any time, without prior notice

Standard Features

- Polyethylene chemical preparation tank
- Stainless steel (AISI304) vertical centrifugal pump
- 5 Micron cartridge type filter
- Epoxy coated skids
- Mixing / flow-balancing valve
- Tank drain valve
- Flowmeter
- PVC piping
- 400V/50Hz - 3 PH
- Level switch

Optional Equipment

- Custom specified tank
- Electric heater with temp. controller
- pH meter
- Mixer
- AISI316 vertical centrifugal pump
- Flexible hose

