

SUEA CIP

Electrol Specialties Company's proprietary Model SUEA is a Single-Use, Eductor-Assisted CIP system designed to significantly reduce the water, chemical and utility requirements of CIP operations and the resulting effluent. This ESC design is currently being utilized in many biopharmaceutical production facilities, cleaning media prep and buffer prep vessels, bioreactors, and purification vessels, generally in combination with the piping and valves associated with the vessel, cleaning the piping and vessel in a single circuit. When used in combination with properly designed and installed 2" diameter CIP supply/return piping, it will clean combination vessel/piping circuits:

- * At flow rates to 100 gpm
- * With as little as 30-35 gallons of water in the CIPS/R system, vessel puddle and SUEA tank, plus the water required to fill the vessel associated piping, at distances up to 100 feet from the SUEA unit.
- * Higher flow rates (up to 160 GPM) and greater distances (up to 400 feet) are easily accommodated, with great fill volume.

This CIP (Clean in Place,) unit includes a conical bottom air separation/recirculation tank with static down leg, supply and motive pumps, air-operated flow control valves, shell and tube heat exchanger, and instrumentation all mounted on a stainless steel frame.

BENEFITS OF THE ESC MODEL SUEA CIP SYSTEM:

- * Equally suited for pharmaceutical, biotech, dairy, and food processing operations.
- * Evacuates all water from supply/return lines and the vessel being spray cleaned between each step of the program, thereby eliminating potential cross contamination or mixing of incompatible solutions.
- * Lowest consumption of water, chemicals, and steam - therefore:
- * Lowest volume and chemical concentration of effluent.
- * Maximum reliability of operation and repeatability of every cycle.
- * Self-cleaning during each CIP cycle, with integral custom-designed spray device.
- * Vastly superior hydraulic performance as compared to multi-tank re-use CIP systems.
- * User friendly, reliable PLC/P-C based control system.
- * Meets or exceeds all appropriate 3A and UL standards and ASME requirements.



Questions? Ask ESC.



ELECTROL SPECIALTIES COMPANY

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