



SUNCOMBE
CIP & PROCESS ENGINEERS

CIP+Plus™ Systems



Gillain & Co

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

About Us

Suncombe Limited is an organization dedicated to the advancement of Clean in Place (CIP) and Hygienic processing technology. We have always targeted leading-edge technologies. Our mission is to utilise forward-thinking expertise that anticipate and satisfy the needs of cleaning and hygienic processing requirements of the future.

Introduction

The original Suncombe CIP+Plus™ systems were introduced in 1963. Since this time they have been continuously developed to provide a technologically advanced and robust, reliable means of supplying repeatable, validateable, controllable CIP cleaning.

Every unit is specifically designed for its particular application and is developed by Suncombe CIP engineers together with the client personnel to provide the optimum cleaning system and a simple validation trail. The range is based on standard modules with individual units custom designed and built - in-house - for your specific application.

Typical Industries

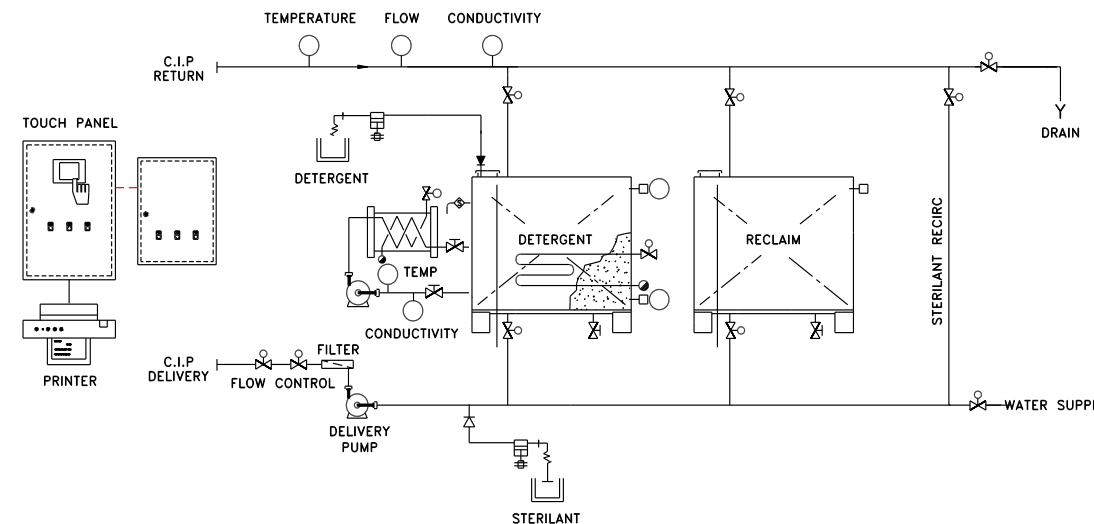
Food, Dairy, Brewery, Beverage, Agro-chemical, Flavourings, Healthcare, Personal Care, and many other processing industries.

Typical Applications

Tanks, Vessels, Vats, Fermenters, Mixers, Processors, Road Tankers, Pipework, Valves, Mills, Coaters, Filters, Pumps, Dryers, Fillers and many others.



Flow Diagram



Reference	Tank Capacity litres	Flowrate litres/min	Pressure Bar	A mm	B mm	C mm	D mm
CIP+Plus™ 600	600	0-100	1-5	1,200	2,000	1,000	1,800
CIP+Plus™ 1000	1,000	0-250	1-5	2,000	2,000	1,000	1,800
CIP+Plus™ 2000	2,000	0-500	1-5	2,500	2,000	1,250	2,100
CIP+Plus™ 3400	3,400	0-1,000	1-5	3,000	2,000	1,500	2,350
CIP+Plus™ 5000	4,500	0-1,250	1-5	3,000	2,000	2,000	2,350
CIP+Plus™ 10000	10,000	0-1,250	1-5	4,000	2,000	2,200	3,000

Duties

CIP flowrates of 30 litres per minute to 1,250 litres per minute at pressures from 1 bar to 9 bar. Water temperatures up to 95°C. Detergent concentrations up to 5%. Single or multiple independent channels.

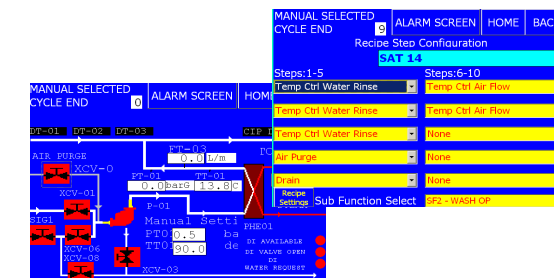
Tank Heating

The systems include in tank heating. This provides a pre-heated buffer of detergent prior to the detergent rinse and ensures that little heating time delay is experienced.

Cleaning Philosophy

The Suncombe CIP+Plus™ system utilises the **Total Recovery** philosophy. That is, the final rinse is reclaimed for re-use as the next pre-rinse and the detergent rinse is also reclaimed for re-use. This is the most economic method of CIP cleaning. Options are available for a single tank system to use the partial recovery cleaning philosophy. That is, one of the rinses are reclaimed for re-use. This can be the final rinse for re-use as the next pre-rinse or the detergent rinse for re-use as the next detergent rinse. Both partial and total recovery philosophies are used throughout the typical industries. These systems are available with a single CIP feed (single channel) or with multiple CIP feeds (multiple channel).

HMI Control



Equipment Details

Butterfly Valves
Polished OD hygienic custom pipework
RJT/IDF/DIN/Triclamp custom fittings
Hygienic pumps
Hygienic Instrumentation