



**SUNCOMBE**  
CIP & PROCESS ENGINEERS

# DrumWasher



**Gillain & Co**

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

## About Us

Suncombe Ltd supply Cleaning and hygienic processing technology for the Bio-Pharma, Medical, Food and other critical hygiene industries. From CIP to PartsWashers, we are uniquely capable of offering you a complete washing and processing solution.

Formed in 1961, we have a tremendous amount of experience in-house and provide a high level of technical and engineering expertise. Our completed projects range from stand-alone systems to complete processing solutions. Our products are built to a high quality and encompass all relevant legislation, guidelines, testing, documentation, quality assurance and traceability requirements.

## DrumWasher Introduction

Developed over the last 40 years, the Suncombe range of DrumWashers are front loading or pass-through washer/disinfectors, which are designed for the cleaning of drums, buckets, kegs, carboys and other containers. Designed to allow combinations of different sized containers to be cleaned, the DrumWashers can also be used for cleaning any other components, either by placing them in the washing chamber or using special racks.

## Lean Technology

Adopting LEAN principles, all Suncombe products are developed to ensure they minimise utilities and time, whilst ensuring the safety of the operators and the efficiency of the cleaning. Utilising innovative fluid handling techniques, they incorporate a combination of traditional and new technologies to provide an environmentally friendly, low water and energy usage washing facility that is safe and ergonomic for the operators.



Hinged Door Drum Washer variant



Drum Washer variant with fold-down door and loading rack

## Washing Chamber

316L Stainless steel radius-corners, sloping design and smooth, crevice-free with a certified surface finish. With container location points, the chamber includes a high power electrical liquid heater for fast heatup times

## Detergent Dosing

One to four liquid dosing systems, which can be incorporated within any recipe step at any concentration, complete with dosing safeguards including low detergent confirmation and detergent dosed volume confirmation, as well as pump priming facilities.

## Door

The washer is fitted with a hinged insulated stainless steel door with superior door sealing provided by an inflatable seal ensuring full containment and air tight closing every

## Printer

Providing a real time record of the washer operation, the panel printer prints out a comprehensive record of the clean including the critical process parameters, providing a positive sign off area on completion. A separate desktop printer can be used to provide print-outs of recipes setups, alarms and events.

## Automation

Suncombe offers four different control packages, CIPSuite1™ to CIPSuite4™, they all incorporate the optimum control for operation, providing a simple to use interface which incorporates advanced facilities.

## Validation/ Documentation

The lifecycle approach is adopted (DQ, FAT, SAT, IQ & OQ) with validation being key to every stage of the development process, including Factory Acceptance Testing (FAT), SAT and Qualification.

## Key Features

- 316L Stainless steel wetted parts including radius-cornered chamber, distribution pipework and racks.
- Sloping design and smooth, crevice-free construction
- EPDM, PTFE FDA-approved elastomers and tri-clamp connections
- Enclosed head orbital welding to EN287/15614
- 316/304 stainless steel non-wetted parts
- BioPharma Diaphragm or butterfly valves
- Certified surface finishes to 0.4 ra and optionally electropolished
- Large hygienic variable speed washing pump
- BioPharma or hygienic instrumentation
- Fully self-draining including pump housing
- Designed for standard containers, special orientations available.
- High power electrical liquid heating for fast heatup times
- One to four liquid dosing systems including dosing confirmation
- Fully adjustable cycle parameters including temperatures up to 120°C, pressures and times
- Available with Conductivity controllers for detergent concentration and pure water.
- CIPSuite™ Control Systems with a colour graphic operator interface for visualisation
- Password control
- Up to 100 Fully configurable recipes
- In built troubleshooting and diagnostic ability
- USB port for connections to desktop printer
- Inbuilt Panel printer for printouts of operation
- Optional integrated HEPA drying system, variable drying temperature control up to 120°C, providing fast and efficient drying
- Filter Magnehelic gauge to provide constant performance integrity
- Hinged insulated stainless steel door for ergonomic loading.
- Inflatable door seal ensuring full containment and air tight closing every time including a high temperature locking mechanism.
- Storage for up to 3 x 10 litre detergent containers
- Multiple chamber sizes based on a 1,000mm x 800mm plan with varying footprints and heights
- Optional Storage tanks for water supply buffering and reuse
- Double wall insulated construction to reduce electricity consumption and heat loss.
- Front and side entry maintenance
- Final rinse recirculated or non-recirculated to eliminate possibility of cross-contamination between rinses.
- Single or double door pass-through versions available

## Support

The Suncombe Technical Support and Customer Care departments' obligation is to provide total customer support. This support starts at the proposal stage, continues throughout the contract and thereafter. A personal customer care agent will be assigned to you at quotation stage and will support you throughout. The department currently supports all of our clients over the last 50 years. Support includes advise and surveys, installation and commissioning, User training, call-out repairs and service contracts for preventative maintenance.

## Flexibility

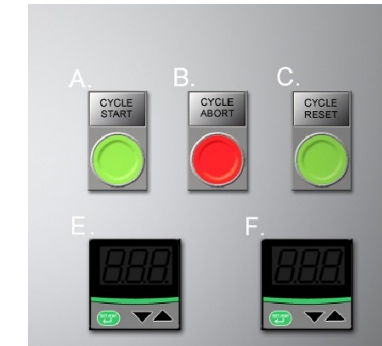
Both Standard and custom designed carriers and racks are often used to carry numerous components that are required to be cleaned. These are designed to fit to the specifications of the washer and achieve successful repeatable cleans.

## Typical Containers



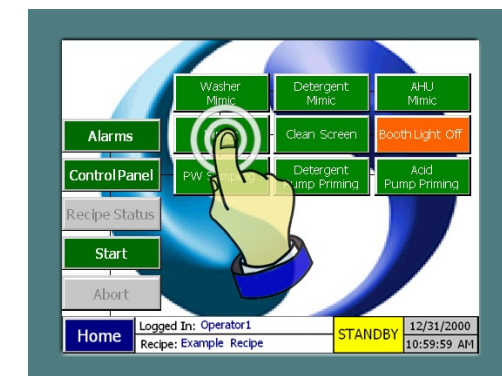
## Automation

**CIPSuite#1™** - Simple versatile automatic control system with 6 time changeable recipes.

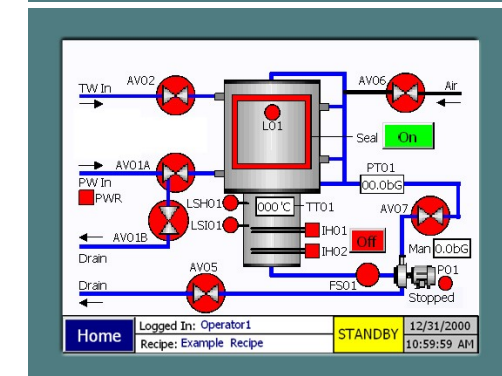


**CIPSuite#2™** - Automatic control system with 100 fully configurable recipes, time changeable recipes, I/O faceplates, Mimic diagrams, Printer, Profibus Communications Protocol, Repeatable automatic cycles, User control with passwords, In built troubleshooting and diagnostic ability.

## Control Panel



## Mimic



## Recipe Setup

