

STANDARD AND SPECIALLY ENGINEERED SOLUTIONS FOR CLEANING AND PROCESSING IN THE BIOTECH, PHARMACEUTICAL, MEDICAL, HEALTHCARE, PERSONAL CARE AND OTHER CRITICAL PROCESSING INDUSTRIES FOR OVER 40 YEARS

PROJECTS / PROCESS INSTALLATIONS



CLEANING IN PLACE SYSTEMS



CLEANING OUT OF PLACE SYSTEMS



SKID SYSTEMS



AUTOMATION AND CONTROL



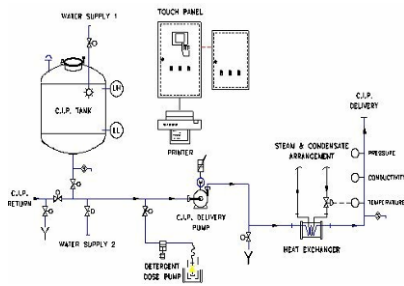
TANKS, VESSELS AND MIXERS



BIOPHARMA CIP SYSTEMS—STANDARD AND CUSTOM SOLUTIONS
FOR ALL CIP REQUIREMENTS FOR THE BIOTECH, PHARMACEUTICAL, MEDICAL,
HEALTHCARE, PERSONAL CARE AND OTHER CRITICAL PROCESSING INDUSTRIES.

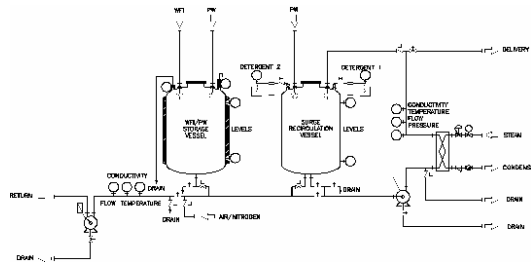
PHARMACIP™

Total Loss Cleaning In Place for the Pharmaceutical Industry. The Suncombe PharmaCIP range has been developed over 40 years for providing a robust, reliable means of supplying repeatable, validateable, controllable CIP cleaning



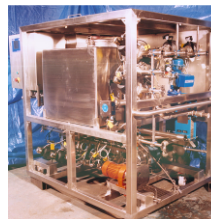
PHARMACIP II™

The Suncombe PharmaCIP II range has been developed as a variant to the well established PharmaCIP range. This variant introduces a surge / recirculation Vessel to enable recirculation of the detergent solutions.



MOBILECIP

Designed for cleaning processing equipment. It is designed to be mobile to allow the entire system to be moved to its point of use. The systems can be used for cleaning tanks, vessels, mixers, pipework and many other cleaning uses



BIOPHARMA COP SYSTEMS—STANDARD AND CUSTOM SOLUTIONS
FOR ALL CLEANING OUT OF PLACE REQUIREMENTS FOR THE BIOTECH, PHARMACEUTICAL, MEDICAL,
HEALTHCARE, PERSONAL CARE AND OTHER CRITICAL PROCESSING INDUSTRIES.

cGMP COPWashers

The Suncombe cGMP COPWasher range has been developed over 40 years for providing a robust, reliable means of supplying repeatable, validateable, controllable COP cleaning. They are used to clean mobile vessels, bins, IBC's, drums and other portable equipment.



COPWasher Component Cleaners

The COPWasher Component Cleaners are used to clean smaller portable equipment including change parts, glassware, etc.

COPWasher Bin Washers

The Suncombe Bin Washer range is designed for cleaning stainless steel bins and IBC's in the Biotech, Pharmaceutical, Medical, Healthcare, Personal Care and other critical processing industries. It can include options such as automatic bin removal, sliding doors, lid removal, inert atmospheres, ATEX rating, pass through versions.



COPWasher Drum Washers

The COPWasher Drum Washers are used to clean drums and barrels singly or in multiple quantities for the Biotech, Pharmaceutical, Medical, Healthcare, Personal Care, Food, Dairy, Brewery, Beverage, Agro-chemical,

OTHER VARIANTS

High Pressure - Medium Pressure - ATEX rated - Solvent Uses - Multiple Uses - Custom Designed Trolleys

Suncombe Ltd, Jade House, Lockfield Avenue, Brimsdown, Enfield, Middlesex, EN3 7JY, United Kingdom
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DESIGNERS, MANUFACTURERS & INSTALLERS OF QUALITY, HYGIENIC PROCESSING AND CLEANING SYSTEMS AND EQUIPMENT

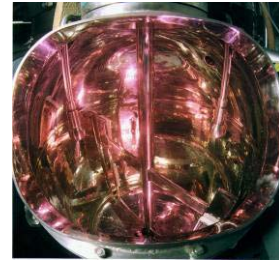
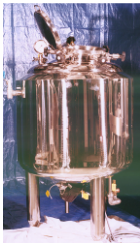
BIOPHARMA VESSELS



BIOPHARMA VESSELS - STANDARD AND CUSTOM DESIGNED VESSELS FOR STORAGE, MIXING, TRANSFER AND PROCESSING REQUIREMENTS FOR THE BIOTECH, PHARMACEUTICAL, MEDICAL, HEALTHCARE, PERSONAL CARE AND OTHER CRITICAL PROCESSING INDUSTRIES.

PHARMAVESSELS

A range of top quality Bio/Pharmaceutical Vessels from 10 to 3,000 litres in mobile or static versions.



BIOSPHERE VESSEL

Spherical vessel, the perfect shape for pressure and fluid flow characteristics.



PROMIX VESSEL

Mixing, Blending, Pressure vessels, mirror polished, including scraped surface mixing



PHARMACEUTICAL PROCESSING VESSEL

Jacketed mobile pressure vessel with heating/cooling, magnetic mixer, pH monitoring.

WATER STORAGE VESSEL

Vessels specifically designed for DI. RO, PW and WFI Storage from 100 - 250,000 litres.



SPECIALS

Any size, shape or orientation vessel available.



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TOP QUALITY CONTROL SYSTEMS SPECIFICALLY DESIGNED FOR AUTOMATION OF CIP AND CRITICAL PROCESSING APPLICATIONS



INTRODUCTION

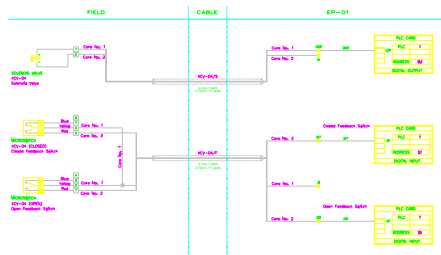
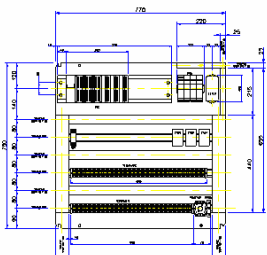
The range of control systems have been developed for over 45 years in the Suncombe organisation. They are renowned for their ease of use, reliability and longevity with the oldest operating control system over 40 years old. The range is available in a number of variants dependant on your specific requirements in the Pharmaceutical, Food, Dairy, Brewery, Healthcare and associated industries.

DETAILS

- In House Design, development, software and testing
- In House Control Panel manufacture and testing
- Full validation trail
- Full documentation Package
- Bespoke Designs and Standard Designs

CONTROL SYSTEM FEATURES

- Siemens or Allen Bradley PLC
- Digital and analogue signals
- HMI Touch Panel for control
- Mimic Diagram
- 10–100 recipes, some authorised client alterations from Touch Panel
- Optional desktop / panel mount event printer
- Profibus/ControlNet Communications Protocol
- 21CFR11 Compliant Paperless Chart Recorder and event recorder with ZIP disc or flash card data backup
- Profibus and Modbus Communications Protocols
- GAMP4 Compliant



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BIOPHARMA PROCESS SUITES—INTEGRATED SUITES FOR THE BIOPHARMA INDUSTRIES,
INCORPORATING PROCESSING / CIP / SIP REQUIREMENTS FROM A SINGLE SOURCE.



INTRODUCTION

The BioPharma Process Suite concept was developed from clients requests to integrate our vessels, process systems, CIP, SIP and other facilities. This integration allowed them to deal with a single supplier for develop, specification, design and validation for all aspects of the project. This requirement, combined with our single source supply approach, means that we can offer our clients a guarantee of every aspect of a process. The suites are manufactured for the pharmaceutical and biotech industries and are made up by combining different ranges of Suncombe products with individual units custom built for your specific requirements. The suites are engineered to the highest standards and are robust, reliable and built and developed to the industries current standards including cGMP, GAMP4, ASME BPE, ISPE, ATEX, CE, PED, to ensure that they are able to be fully validated.



POSSIBLE APPLICATIONS

- Media Prep / Sterilization
- Neutralization
- Portable Processing / Transfer Units
- Parallel Synthesis
- Chemical Preparation / Dispensing
- Compounding / Transfer
- Blood Products Processing
- Decontamination Systems
- Aseptic Processes
- Filtration / Separation
- Fermentation Systems
- Formulation vessels
- MF/UF (microfiltration / ultrafiltration)
- Metering and heat transfer systems
- Multi-step Processing
- Bioreactor/fermentation
- Fluid transfer, filter and straining
- Blending
- Pumping Liquid/solids separation
- Media preparation
- Bio-waste kill systems
- Buffer preparation and feed systems
- Hot WFI / DI Water Systems
- Separations
- Batch and Blending systems
- Your particular application

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COMPANY PROFILE

Formed in 1961
Engineering Excellence, Single Source Supply
All Equipment Built in-house, Custom Designed Packages
After Sales Service and Technical Support
Competitive Prices and Reliable Deliveries
In-House Research and Development
Quality Assurance
Complete Documentation and Validation

ENGINEERING

- Process Engineering, Project Management
- Surveys, feasibility studies, process evaluation
- Design and development
- Autocad Design and Drawing
- Equipment Layouts
- Isometrics and Schematics
- Specifying, manufacture and procurement of equipment
- Consulting, Commissioning and Servicing



AUTOMATION AND CONTROL

- Integrated Systems
- Control Panel Design and Assembly
- Software specifications and development
- PLC, Microprocessor Control Systems
- Operator Interfaces, SCADA Systems
- Datalogging and Monitoring Systems
- Automation Interfaces
- Commissioning and Qualification

STAINLESS FABRICATIONS

- Design, testing and manufacture
- Top Quality, Competitive Pricing
- 1 offs or batch quantities
- Mechanical and electrical fabrications.
- One-off design and manufacture service.
- Spares and component supply
- OEM and End User Fabrications
- Pipework, Structural, Containers
- Precision, Specialist Construction

PROJECTS / PROCESS INSTALLATIONS

- BioPharma Processing Projects
- High Quality Water generation skids and distribution loops
- Feasibility studies, project surveys, designs
- Hygiene consultancy services
- Stainless ASMEBPE Pipework Installation

SKID SYSTEMS

- Fully Integrated, Pre-tested Skidded Systems
- Ready for service connections and immediate use on site, avoiding Downtime
- In House Demonstration and Trial Facilities
- Factory Acceptance Test for all systems
- Fully automated or prepared for client control
- Powder Incorporation/Heating/Cooling
- Blending/Mixing/Homogenisation/Agitation
- Batch Makeup/In Line Processing
- WFI/PW/DI Water Systems
- Media Preparation/Compounding/Transfer
- Decontamination/Fermentation

CLEANING IN PLACE AND OUT OF PLACE

- PharmaCIP* Total Loss CIP System
- MobileCIP* System
- cGMP-COPWasher*
- IBCCIP* Intermediate Bulk Container Cleaning
- Satellite* Distributed Cleaning Systems
- JetCIP* Ultra Efficient Total Loss CIP
- UltraWasher* Cabinet Washers for:



TANKS, VESSELS, MIXERS AND REACTORS

- All design and manufacture carried out in house
- Computerised design, drawing, manufacture
- From 1 to 250,000 litre
- Atmospheric and Pressure/Vacuum Vessels
- Cylindrical, rectangular, special shapes
- Jacketed, Clad, Agitated, Mixed Vessels
- Static and Mobile

TYPICAL CLIENTELE



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