

USP Water Storage and Distribution Skids

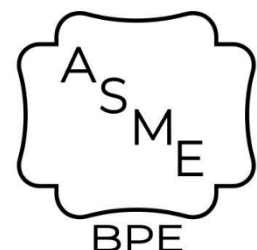
The Validatable USP Water
Handling System



Overview

Suncombe have been producing USP Water Storage and Distribution Skids for the worldwide BioPharma and Healthcare sectors for over 60 years. The systems provide hot and cold USP water storage and distribution and guarantee the ongoing quality of pharmacopoeial water, by excellence in design, based around ASME BPE, including providing a HEPA filtered environment, risk assessments and HAZOPs. Negating the chance of contamination, they incorporate vigorous measures to minimise microbial growth and provide reliable operation.

The Suncombe systems have been specifically developed, using robust, proven design principles, the systems are designed around the requirements of the ASME Bioprocessing Equipment standard to ensure that your water is handled in a reliable, repeatable, validatable and auditable manner. Every Suncombe system is individually designed, using pre-configured modules, to suit the client specific requirement and are available with many client selected options including SIP and/or ozone/chemical sanitation, Total Organic Carbon (TOC) monitoring and other analytical measurements. The detail design will ensure that USP water is available at the quality, quantity, flowrate, temperature and pressure that are required to ensure the success of your process.



USP Water Skid DATASHEET

VERSION 1.9



Welcome

Since our foundation in 1961, Suncombe has pioneered the development of innovative solutions for cleaning in place, bio-waste decontamination, GMP Washers, sanitary skids and vessel skids. The business continues to be privately owned and managed day to day by Dave Adams and Steve Overton.

Supporting Dave and Steve is a close-knit, dedicated, highly motivated and long-standing team encompassing a wealth of technical experience and knowledge in all relevant disciplines, including design, manufacture, testing, installation, validation, documentation and after-sales support. All of our work is carried out across our own facilities, just off the M25 in north London.

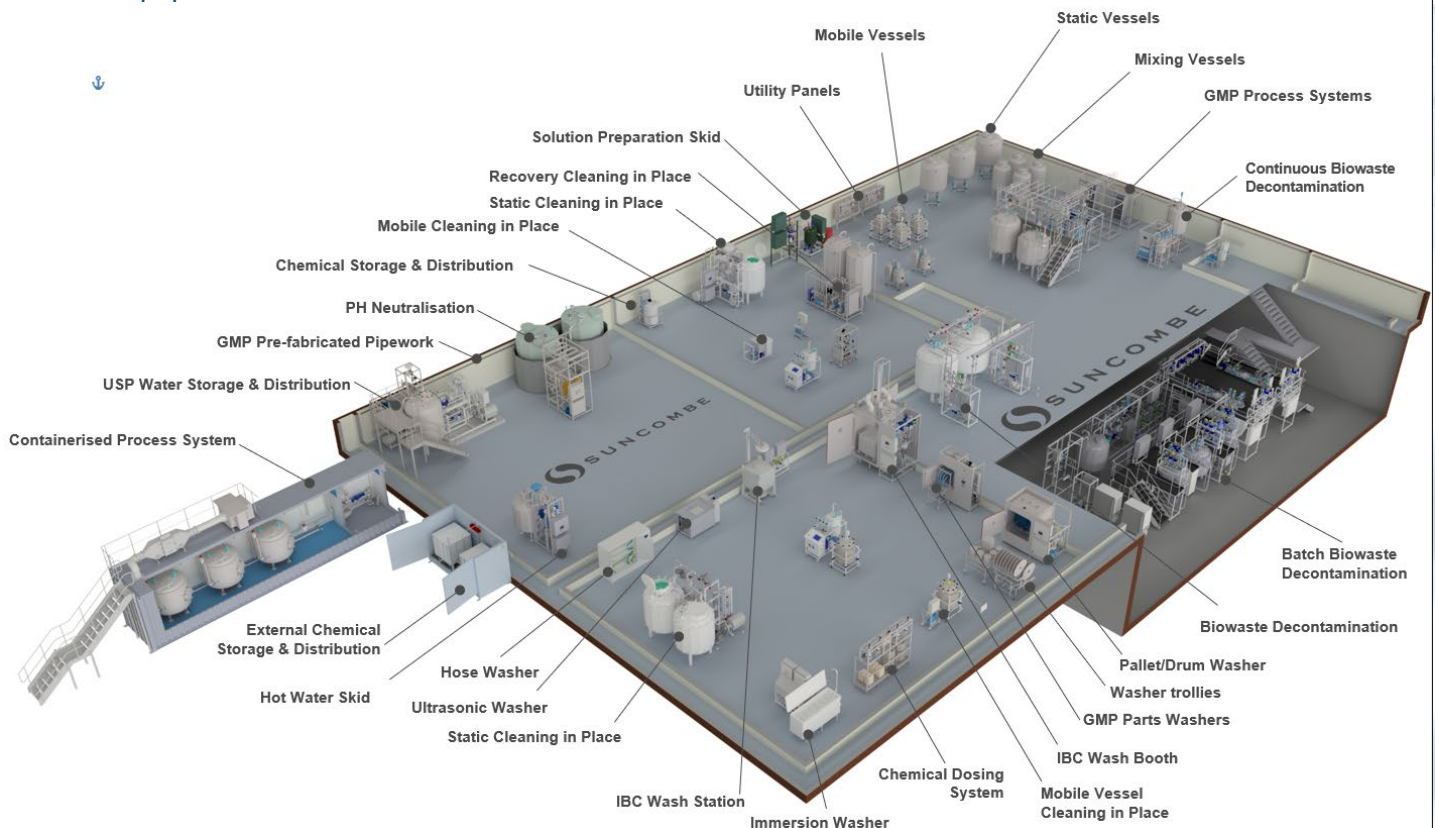
The team employ the very latest techniques, standards and best in class solutions. Having such a strong team allows us to offer the ability to carry out all of our work in-house, under our direct control

and quality management system. It also ensures that we own and preserve all the knowledge and experience gained with every project and allows us to offer continued support for all our installed systems throughout their lifetime.

Our Clientele



Our Equipment



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Key Features	Benefits
Sanitary 316L stainless steel construction and components	Systems are constructed to the highest sanitary standards with 3.1 material traceability and welding dossier. This ensures a fully validatable and sterilisable, cleanable environment. ASME BPE SF0 to SF6 Surface Finishes available to SF4 Ra max. 0,375 µm electropolished.
Temperature Controlled	Hot and cold storage and distribution versions available.
Storage and Distribution	Variable speed systems provide any number and volume of storage vessels, pumps, equipment, heaters, coolers and instrumentation to ensure the quantity, flowrate, temperature and pressure that are required to ensure the success of your process.
Siemens PLC and 12" colour HMI with options for larger HMIs	Control hardware is industry standard and supported worldwide by Siemens. Ethernet interface included for transfer of critical operating variables to other systems. Designed to enable integration to third party equipment or higher level control system. Option for Rockwell Allen Bradley.
Suncombe BioSuite software	Control software specification has been developed and proven over many years for USP Water applications and includes a wide range of user or administrator configurable parameters to enable customised decontamination profiles. User passwords, Active Directory, Audit Trails, Electronic batch reports for local or network storage are possible. User interface screens and process visualisation is simple, intuitive, clear and comprehensive. Remote access options are possible if required. Software complies with FDA 21CFR and EU GMP regulations.
Fully automated processing	The system provides continuous operation and Suncombe's BioSuite software enables fully automated operation.
Fully automated reporting	Electronic pdf reporting included – printed report optional
Automatic Operation	Automatic Water Inlet Automatic Water heating/cooling/Distribution Automatic Sanitation/SIP
Utility Requirements	Systems only require compressed air, water, steam, coolant and electrical utility connections.
Utility Options	Steam, electrical or hot water heating. Sustainability options included heat pumps and heat regeneration systems.
Sustainability	Designed for sustainability, options for regenerated and sustainable energy usage.
Continuous monitoring of key parameters	The process is highly repeatable and validatable.
Safety	Alarms, interlocks and fail-safe design prevent waste discharge in the event of an unsuccessful treatment. This encompasses scenarios such as power loss and under-temperature events.
Plug 'n' Play	Comprehensive in-house testing to ensure fast start up on site.
Covers	The systems are also available with stainless steel or thermoplastic covers
Compact design	Designed to fit into new facilities or to be retrofitted into existing facilities with limited available space.
Configurable	Based on generic standard modules, we supply individual units custom designed for your specific requirement.

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Designers, manufacturers & installers of quality, hygienic processing and cleaning systems and Equipment