

# Utility Panels

## Panels and Stations for grouping liquid, gas and control connections



Utility Interface Service Panels and Stations for Interface to Laboratories, Cleanrooms and similar environments including wall mounted, free standing, column mounted, ceiling and suspended ceiling mounted.

### Overview

Suncombe is one of the world's first manufacturers of panels, with transfer panels supplied since the 1960's and Utility panels supplied since the 1970's. Suncombe Utility Panels and Stations are used as an interface for point of use liquid and gas service and utilities, solutions, CIP and SIP routing and control and power connections for entry to Cleanroom, process area and similar environments.

The Panels are available for flush or recess mounting in wall panelling, for flush ceiling and suspended ceiling mounting or on ceiling drops, free standing and pedestal mounting. Pre-constructed stainless steel vertical columns are also available, fully fabricated for fitting into facilities, incorporating Utility Panel/Stations with internal service ducts for the pipework and conduits.

Using robust, proven principles, the Utility Panels and Stations are designed using the principles of ASME BPE to ensure that they provide the optimum interface whilst maintaining the standards require for cleanroom and similar environments.

### Applications

- ✓ Interface for utilities and connections in Cleanroom Environment
- ✓ Pharmaceutical, Biotech, and critical sectors
- ✓ Solution Preparation systems
- ✓ Interface to reactors, fermenters
- ✓ Downstream and upstream process interface
- ✓ API, OSD and Bulk Manufacture
- ✓ CIP/SIP/DIP and WIP Routing
- ✓ Electrical, control, networking, power and pneumatic signals
- ✓ USP Water Loop Outlets
- ✓ Sampling
- ✓ and many more applications in Pharmaceutical, Biotech and other Critical process industries.

### ASME BPE cGMP Construction

- ✓ FDA approved components with triclamp connections
- ✓ ASME BPE construction with dead legs criteria, panel tolerances, drainability, material & weld traceability, slopes, panel radius and minimum thickness, FDA Elastomers

# Utility Panel & Stations DATASHEET

VERSION 1.8



## 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, North of London near Stansted Airport.

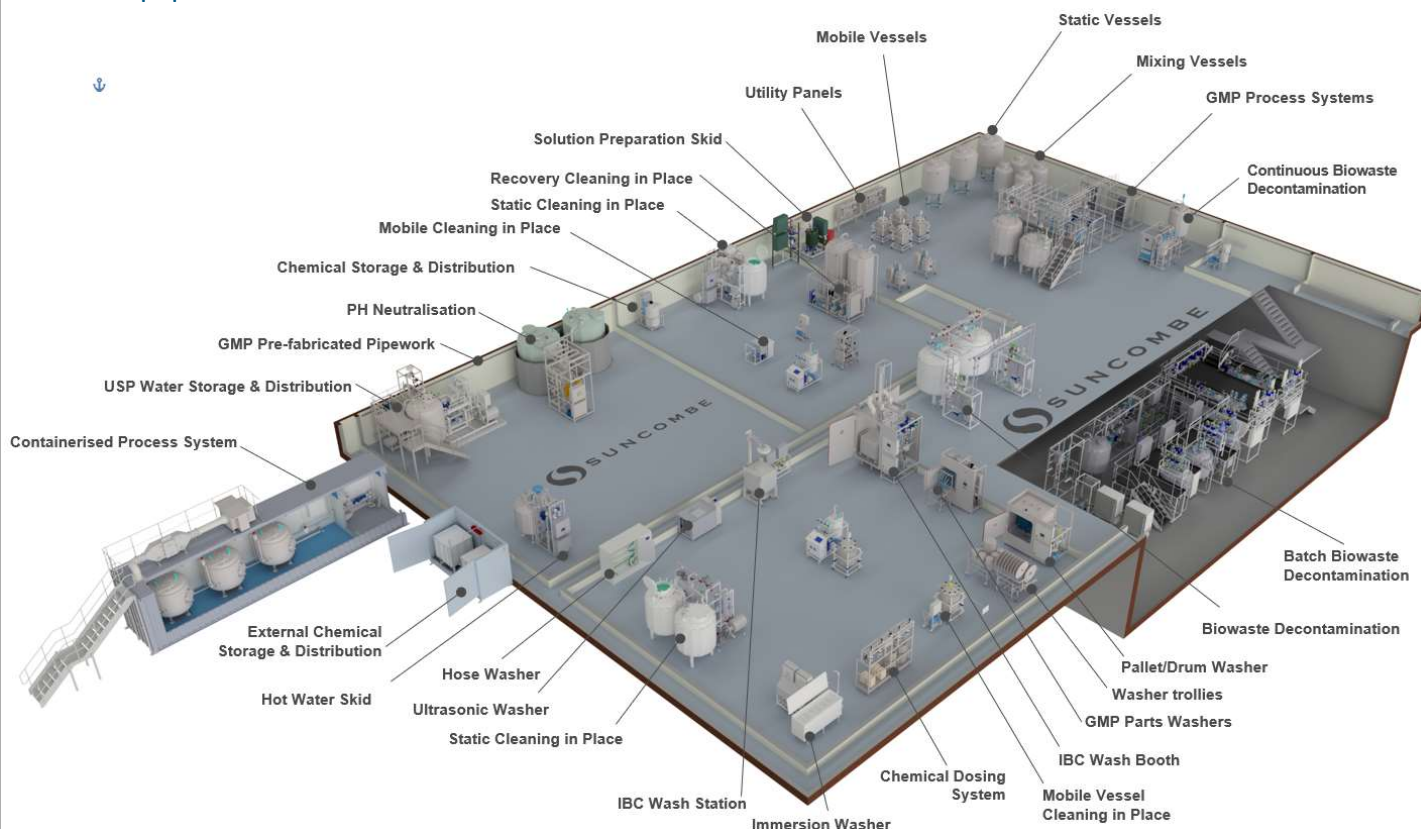
The team employ the very latest techniques, standards and best in class solutions. Having such a strong team allows us to offer the ability to carry out all of our work in-house, under our direct control

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



## Suncombe Ltd

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## Typical Panel

- Recessed wall mount
- Electropolished Internally and Externally
- WFI, N2 and O2 Connections



## Typical Panel

- Drop down ceiling mounted
- Manual Valves



## Typical Panel

- Flush wall mount
- Set of identical panels



## Typical Panel

- Flush wall mounted
- Rear fitted Process and Control Equipment



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



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Key Features	Benefits
Custom Design	Every panel or set of panels is individually designed to suit your specific process requirements. Typically, panel designs are developed with the client, taking into account P&ID drawings, utility schedules, equipment preferences and room layouts. Suncombe engineers have designed many panels and offer this wealth of experience for every application.
Process Equipment and Instrumentation	Panels can include process equipment and instrumentation on the front or rear, including pipework headers, valves, instruments, pumps and control equipment. Rear fitting can be used to minimise equipment in the clean area and allowing maintenance outside of the area.
Panel Type	The Panels are available for flush or recess mounting in wall panelling, for flush ceiling mounting or on ceiling drops, free standing on legs/adjustable feet and pedestal mounting. Pre-constructed stainless steel artificial vertical columns are also available, fully fabricated for fitting into facilities, incorporating Utility Panel/Stations with internal service ducts for the pipework and conduits.
Compartmentalised Panels	Panels can be compartmentalised as a single apertures or multiple apertures, with individual modules, compartments and doors as required.
3D Modelling	Panels can be individually developed and modelled in 3D for client comment/approval and would be available for transfer to client BIM software.
Materials of Construction	316L Stainless Steel, with options for duplex alloys and Hastelloy. Elastomers would be FDA approved.
Construction	ASME BPE with dead legs criteria, panel tolerances, drainability, slopes, panel radius, minimum thickness, surface finish.
Surface Finish	Internal and External Surface finish to ASME BPE SF tables, Passivation and electropolish available
Testing	Typical tests include Visual, Boroscopic, Pressure and Vacuum.
Tagging	All equipment and ports are tagged using Electro-etching, phenolic plastic or alternatives.
Full Validation Package	Using the Validation V model, the panels comply with ASME BPE and GAMP, Weld Procedures, Weld Logs, engraved weld ID's, FAT, SAT, IQ and OQ Protocols and Data Dossier.
Certification	Certification includes: CE/UKCA marking, weld dossier with 3.1 material traceability & weld traceability, prepared for oxygen service certification, ASME BPE slope drawings.
Factory Acceptance Test	Factory Acceptance Test provided for each panel including FAT protocol for documentation, dry check and wet check tests.
Calibration	All instruments would be provided with calibration certificates
Safety	Safety reviews and risk assessments are carried out throughout design, development and construction.
Plug 'n' Play	Comprehensive in-house testing to ensure fast start up on site.
Optional Control System and Interface Panels	Siemens or Rockwell (Allen Bradley) Control equipment/system can be custom developed for your specific application.

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

## Suspended Ceiling Utility Interface Service Panels

Suspended Ceiling Utility Interface Service Panels fits most ceiling t-grid systems and take the place of a standard ceiling tile to provide an easy access interface for all laboratory services including, multiple electrical and power, plumbing, vacuum, communication and data outlets and quick connect service outlets.

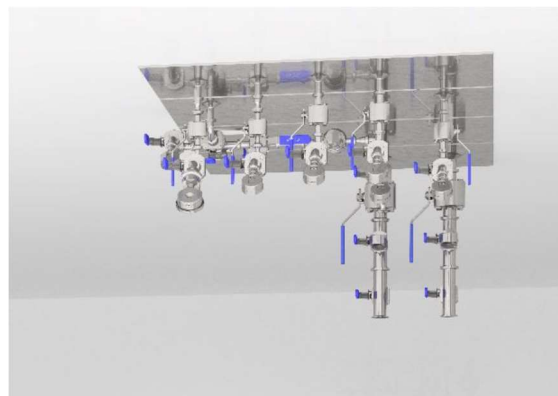


### Features

- Fit in 2' x 2' (600mm x 600mm) and 2' x 4' (600mm x 1200mm) ceiling grids and custom sizes are also available
- Available in stainless steel, aluminium, coated steel (multiple RAL colours available)
- Standard cut outs for electrical and power, plumbing, vacuum, communication and data outlets and quick connect service outlets.
- Custom cutouts and interface construction also available
- Hangers and hanging eyes for supports
- Pre-fitted with client preference of Electrical and/or data devices, liquid, gas, air, vacuum quick release couplings or triclamps and data connectors etc.
- Pre-connection, pre-wiring, pre-plumbing, documentation and testing available

### Typical Applications

- Research and development (R&D) laboratories
- Biopharma laboratories and production sites
- Medical or Clinical laboratories
- Pharmaceutical Laboratories
- Medical or Clinical laboratories
- Biosafety Laboratories
- Biological laboratory
- General Laboratories
- Other environments requiring utility interfaces



# Our Sustainability Operations



## Sustainability of Suncombe Equipment

As a company, we recognise the importance of sustainability and the need to minimise our environmental impact. All Suncombe equipment has been re-developed for sustainability purposes and incorporates techniques and methodologies to minimise impact on the environment, including technologies that reduce energy consumption, emissions, and waste, as well as adopting practices that promote sustainability and reduce the environmental impact of operations.

## Social Responsibility

Our company philosophy is one of Social Responsibility and under this banner we are fully committed to the need to balance economic growth with environmental stewardship and social responsibility.

Overall, Suncombe demonstrates a commitment to sustainability and environmental responsibility in our operations and products. For further details Suncombe have produced Sustainability and Lifecycle White Papers available **on request**

## Here are some of the ways we achieve this:

- ✓ Efficient use of resources: Suncombe uses energy-efficient technologies in our equipment, which helps to reduce energy consumption and carbon emissions.
- ✓ Waste reduction: Suncombe strives to reduce waste throughout our operations, from manufacturing to product disposal. We use sustainable materials and designs that minimise waste and maximise product lifespan.
- ✓ Recycling: Suncombe promotes recycling and reusing of materials to reduce waste. We also recycle our own equipment where possible.
- ✓ Compliance with regulations: Suncombe adheres to environmental regulations and standards set by governing bodies, ensuring that our operations do not harm the environment.
- ✓ Green initiatives: Suncombe invests in research and development of new, sustainable technologies and processes to further reduce our environmental impact.
- ✓ Lifecycle Considerations: The company emphasizes the entire lifecycle of our equipment, from design and manufacturing to use and disposal. We strive to select materials and components that are environmentally friendly and can be recycled or disposed of responsibly. Featuring design with margin, upgrading and future-proofing extends the equipment lifecycle.

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## Typical Utility Panel and Station Mounting Options

