Transfer Panels
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Transfer Panels

Process, CIP/SIP and Utility Manual Routing Panels used in Sanitary Applications

The Superior Quality cGMP Transfer Panel, providing the optimum solution to Secure Process Routing

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. Transfer Panels, also referred to as 'U Bend Panels', '3D U Bend Panels', 'Flowplate's, 'Splitter Plates' and 'Routing Panels', are defined by ASME BPE as 'a panel to which process and/or utilities are piped that mechanically precludes erroneous cross connections'.

Transfer panels use a single or a number of 'Jumpers' or 'U Bends', to manually inter-connect two or more flow paths, whilst inherently providing an 'air break' and physical separation to all other paths to ensure no possibility of cross contamination.

Panels are available in standard configurations with different number of 'ports' or 'connections' with a single Jumper. Custom designed panels are also available to suit your specific applications and can be developed on a flat plate (2D) or 3D matrix, and can incorporate any number and configuration of ports and any number of jumpers.

Applications

- ✓ CIP/SIP/DIP and WIP Routing
- ✓ Drainage and CIP return routing
- ✓ USP and potable Waters
- ✓ Raw and finished product
- ✓ API, OSD and Bulk Manufacture pharmaceuticals
- ✓ Solution and Buffer Preparation systems
- ✓ and many more applications in Pharmaceutical, Biotech and other Critical process industries.

ASME BPE cGMP Construction

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

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Welcome

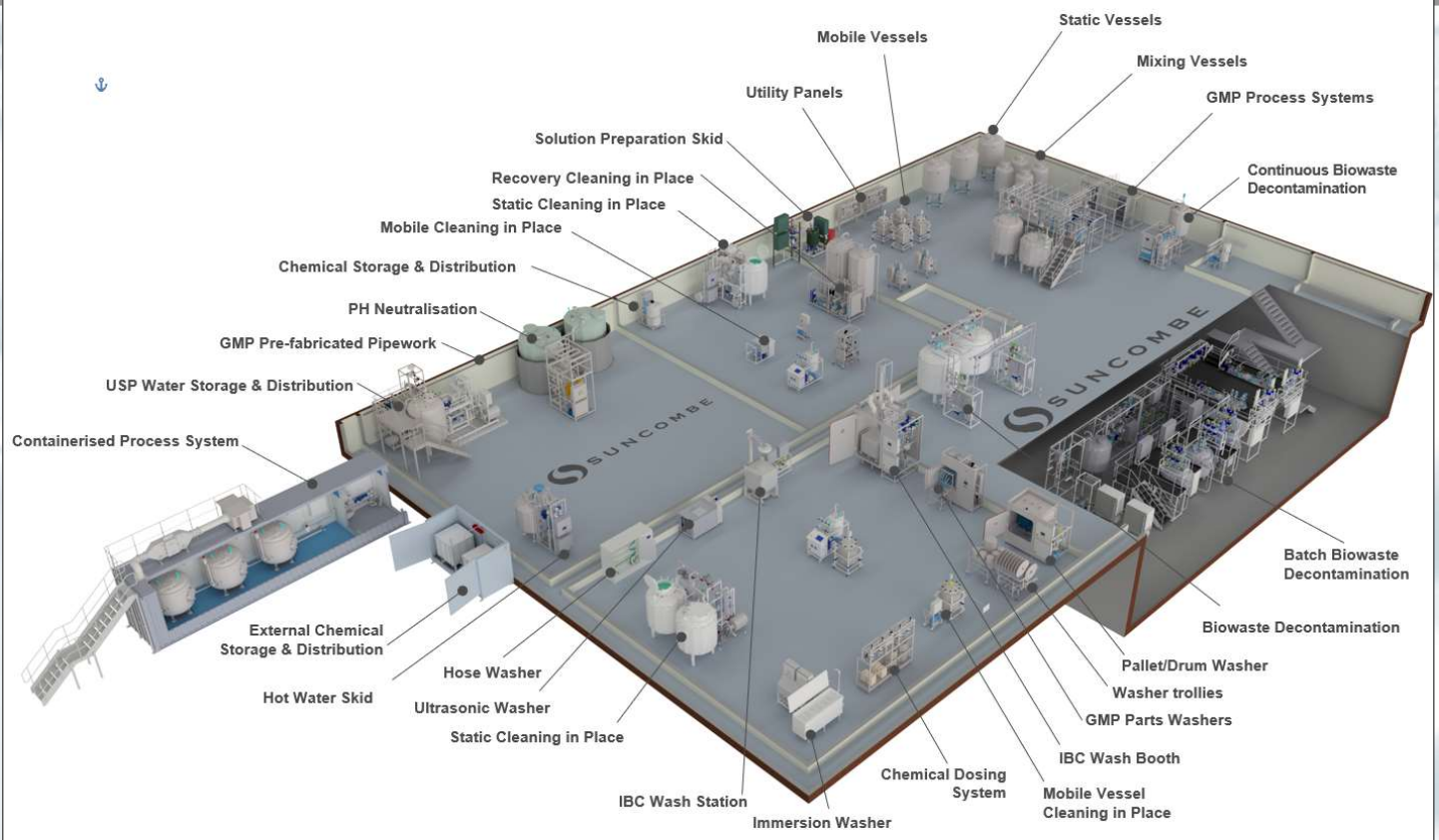
Since our foundation in 1961, Suncombe has pioneered the development of innovative solutions for cleaning in place, bio-waste decontamination, GMP Washers, sanitary skids and vessel skids. The business continues to be privately owned and managed day to

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.

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

Our Clientele

Our Equipment



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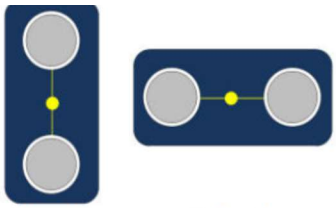
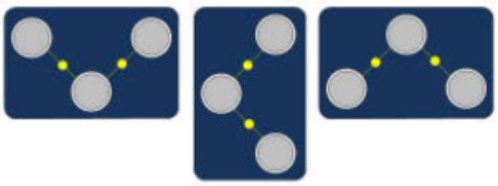
Typical Panel Configuration

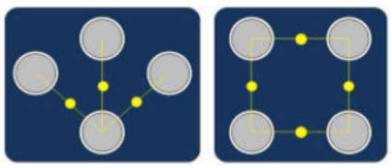
2 Port

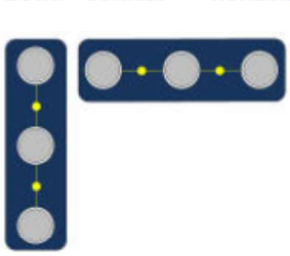


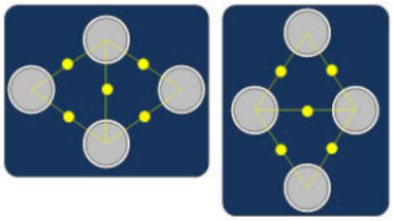
3 Port



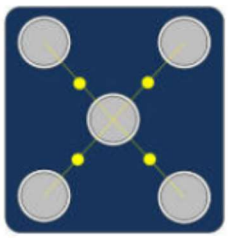
4 Port

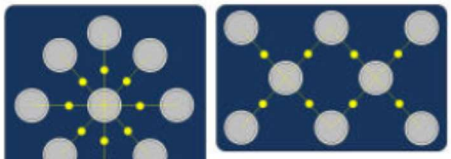


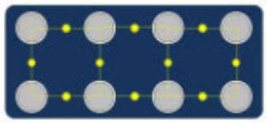


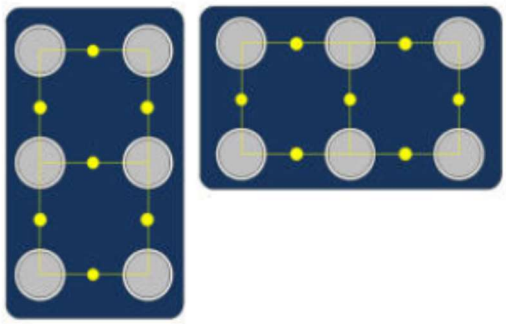


More Ports

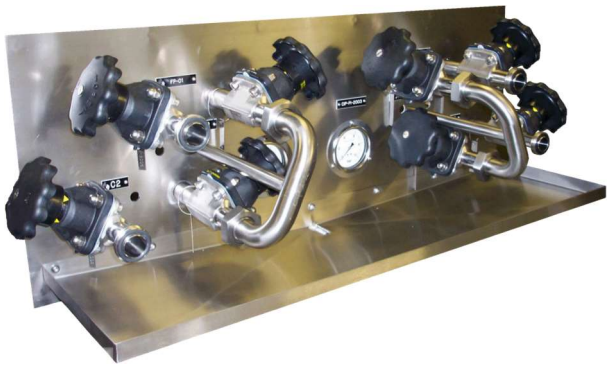








Typical Two Jumper Panel



Typical Single Jumper Panels

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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 or experience for every application.
Valves, Headers, Instruments and Process Equipment	Valves, Headers, Looped headers, Instruments and Process Equipment on the Panel front or rear. Looped headers and Valve manifolds can be incorporated.
Panel Type	Typically, free standing on legs/adjustable feet and pedestal mounting, the Panels are also available for flush or recess mounting in wall panelling, for flush ceiling mounting or on ceiling drops.
Drainability	Transfer panels would be fully drainable sloped from approximately 2% to 5%.
ASME BPE Ports	The ports are individually machined prior to welding into the panel to ensure that there is no distortion of the internal port surface.
Jumper Position Confirmation	Proximity switches are provided to confirm the position of the jumper to the control system. The switches are mounted on the rear of the panel, to maintain the clean face
Drainage Bowl	A drainage bowl is fitted on the base to hold any drips or leakage when moving bends and would be sloped toa drain point
cGMP Construction	The external construction is developed to cGMP to ensure
Manufacturing Tolerances	Laser cutting and laser welding are employed to adhere to ASME BPE tolerances to ensure compliance and longevity
Jumper Details	Jumpers are provided with a means of confirmation of position, jumper drainage and pressure relief.
3D Modelling	Panels would be individually developed and modelled in 3D for client comment/approval and would be available for transfer to client BIM software.
Materials of Construction	Standard equipment is supplied in 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	CE/UKCA marking, weld dossier with 3.1 material traceability & weld traceability, 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.
Junction Boxes and Control Systems	Siemens or Rockwell based, hard wired, remote I/O with ethernet, profibus protocols available.

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Typical Transfer Panel, Utility Panel and Station Mounting Options