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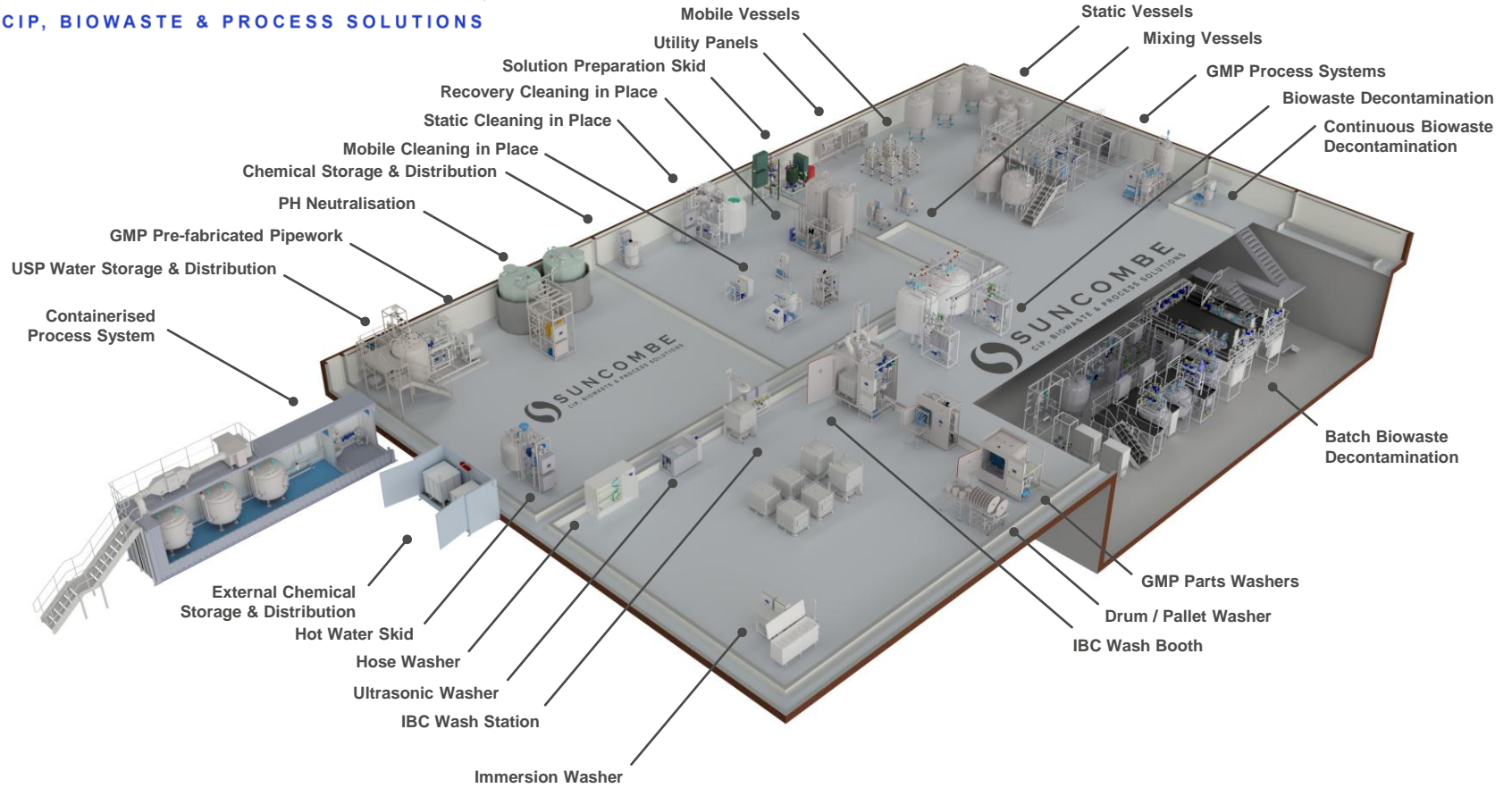
***38151 Walk-In  
Washer***



Suncombe Ltd, Jade House, Lockfield Avenue, Brimsdown, Enfield, Middlesex, EN37JY, United Kingdom

**T** +44(0)20-8443-3454 **F** +44(0)20-8443-3969 **E** info@suncombe.com **W** www.suncombe.com

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# 38151 Walk In Washer

## 38151 Walk In Washer™ Introduction

Developed over the last 30 years, Suncombe 38151 Washers are heavy duty validateable walk-in multipurpose washers available as single door or pass through versions. They are high specification units that use an innovative spray technique, that offers a contained, validateable wash. Accessed via a robust hinged door, the washing chamber is constructed from 316 stainless steel and is of sanitary construction. Employing a combination of specially developed variable duty spray technologies, the washer provides high energy impingement washing together with low energy flushing chosen by a simple recipe selection, to wash and/or dry tray trolleys, cages and other floor mounted equipment. Built to a generic design, with the ability to custom engineer to suit clients requirements, they achieve excellent washing using high impact accurate spray targeting and incorporate existing and new technologies to provide an environmentally friendly, low water and energy usage washing.

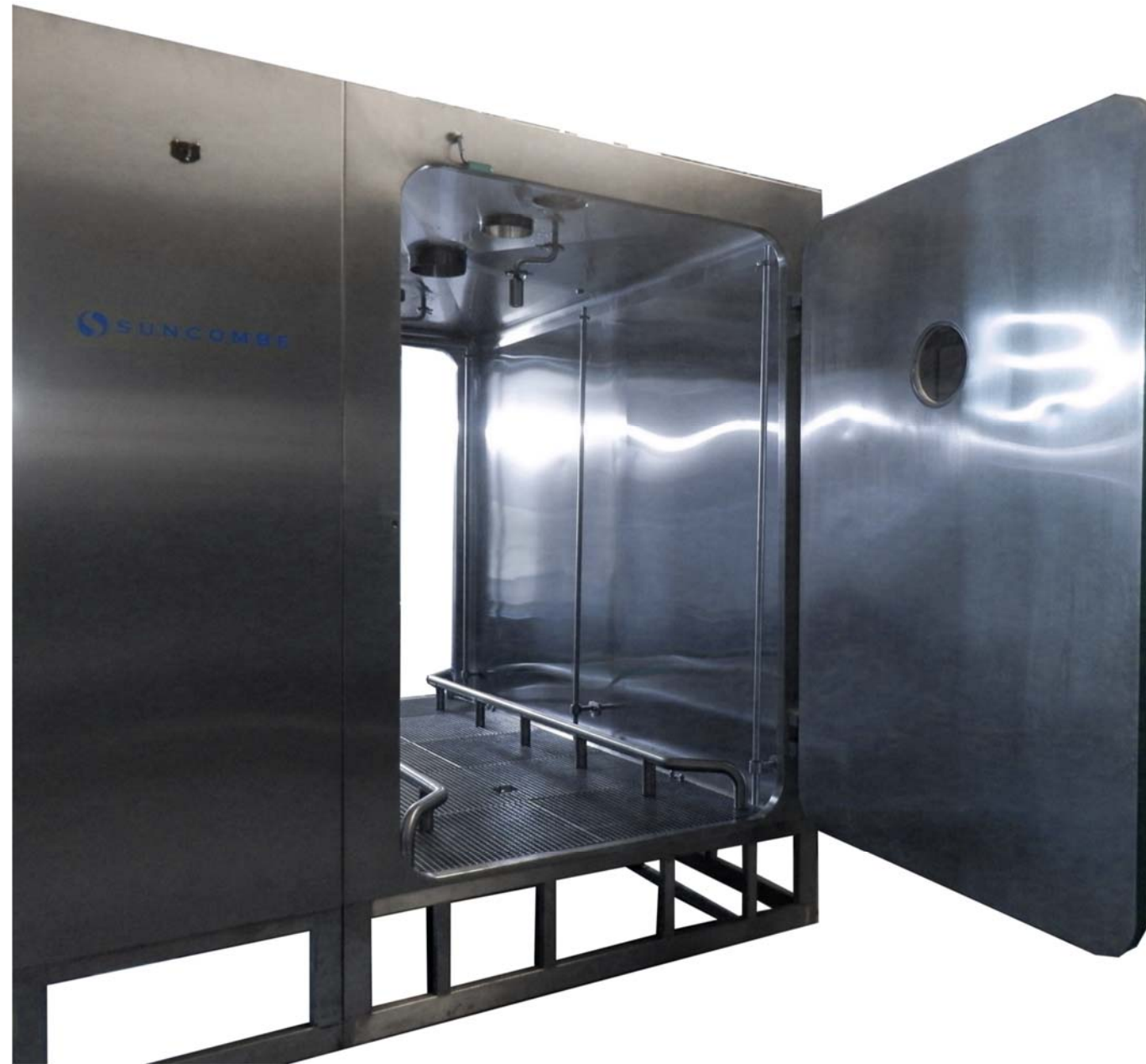
## Description

Built to hygienic and sanitary standards and available to comply with ASME BPE, GAMP and 21CFR11, the 38151 Washers are supplied worldwide to the Biotech, Pharmaceutical, Medical, Healthcare, Personal Care and other critical processing industries. Including internal and external washing and drying, they incorporate technologies to provide repeatable patterns to ensure total coverage of all surfaces.

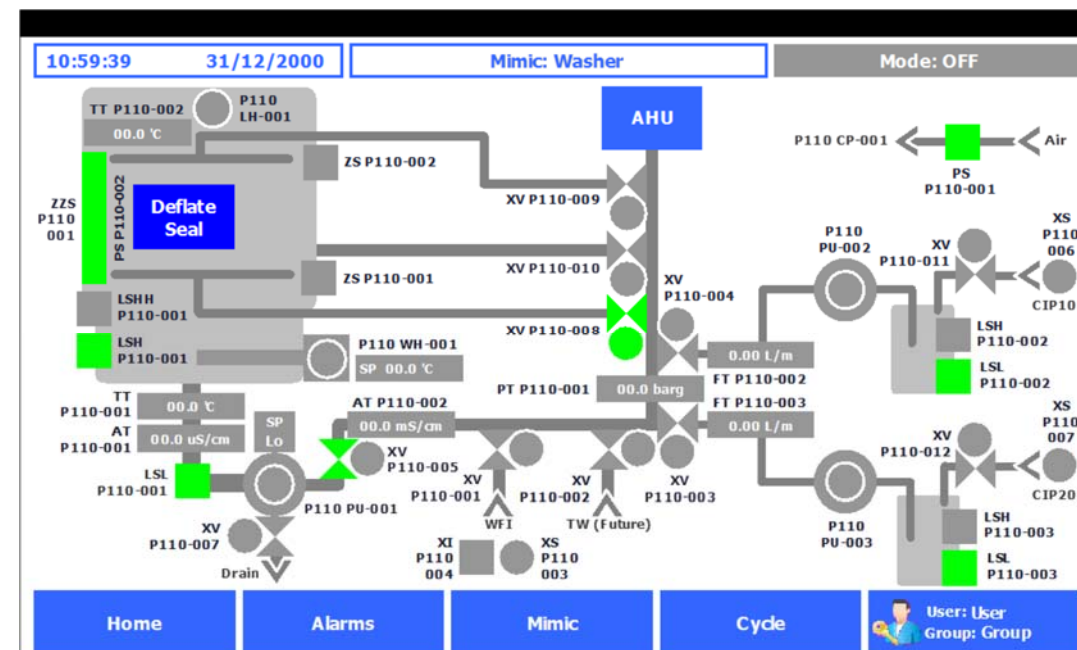
## Automation System

The Integrated automation is designed to be operator friendly and simple to use whilst providing flexibility and optimisation. Reliable and robust, they have been developed over the last 20 years, they encompass all elements required to provide a controllable, repeatable automatic system. A range of automation levels are available, starting from entry level, through mid level PLC and HMI versions, to advanced validateable systems. All levels provide a repeatable automated cycle.

See Automation Datasheet for full details



Typical Mimic Diagram



## Service Compartment

The Service Compartment is located to the left or right hand of the washer and incorporates the liquid and/or air handling equipment. Standard units are a single piece but this section can be optionally removed for ingress and can also optionally be located in a remote area.

## Location and Mounting

The 38151 Washers can be mounted in a floor pit for floor level loading or can be loaded using ramps, lifter trucks or conveyor loaded.

## Inflatable Door Seal



## Internal Finish



### Typical Manufacturing Standards

- Sanitary Construction, fully drainable, crevice free.
- 316 stainless steel contact parts, 304 non-contact parts, T.I.G. Welding

See Manufacturing Standards Datasheet for full details

### Typical Equipment

- 316 Stainless Steel pipework
- Large Sanitary Centrifugal Pump
- Sanitary Valves, manual and air operated
- Steam heating
- Calibrated Instruments

See Equipment Standards Datasheet for full details

### LEAN Technology

Adopting LEAN principles, the **3815 Walk In Washer** was developed to minimise utilities and wash times, whilst ensuring the safety of the operators and the efficiency of the processing. Our automated systems are configured to incorporate LEAN principles including Overall Equipment Effectiveness, Energy Lean and minimise downtime maintenance.

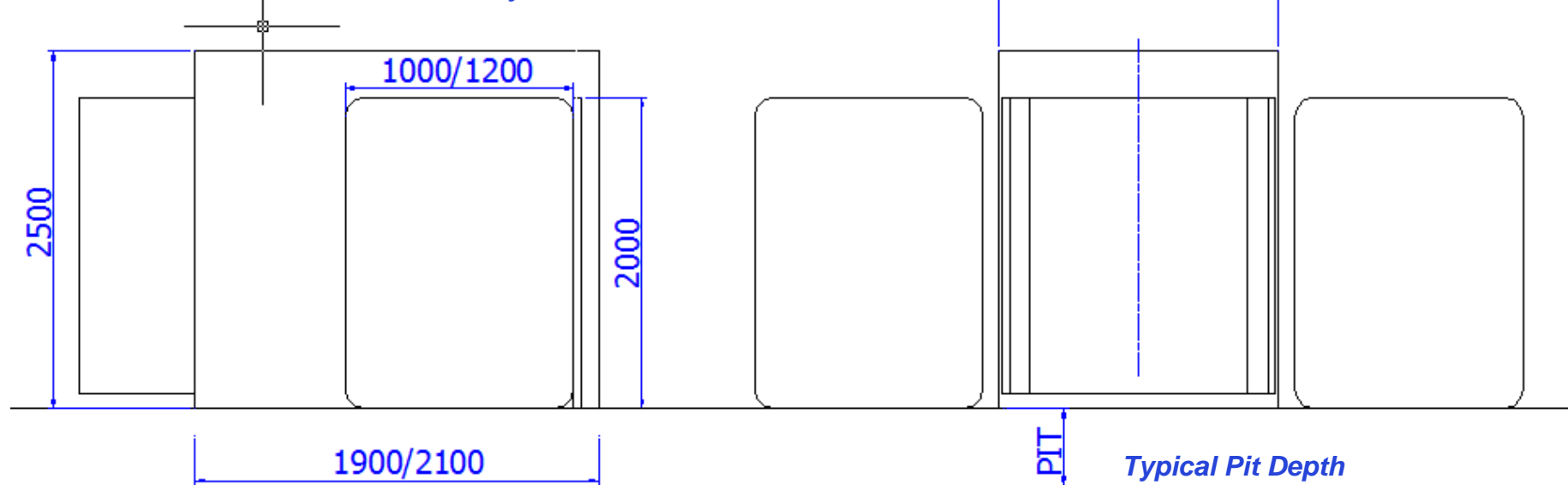
### Testing

All functions of the equipment would be fully wet and dry tested and test results would be documented in the '**Pre-Factory Acceptance Test (FAT)**' protocol. Following successful completion of this protocol, the client will be invited to the FAT test, where all tests can be repeated or the pre-FAT tests results can be used.

### Validation/ Documentation

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

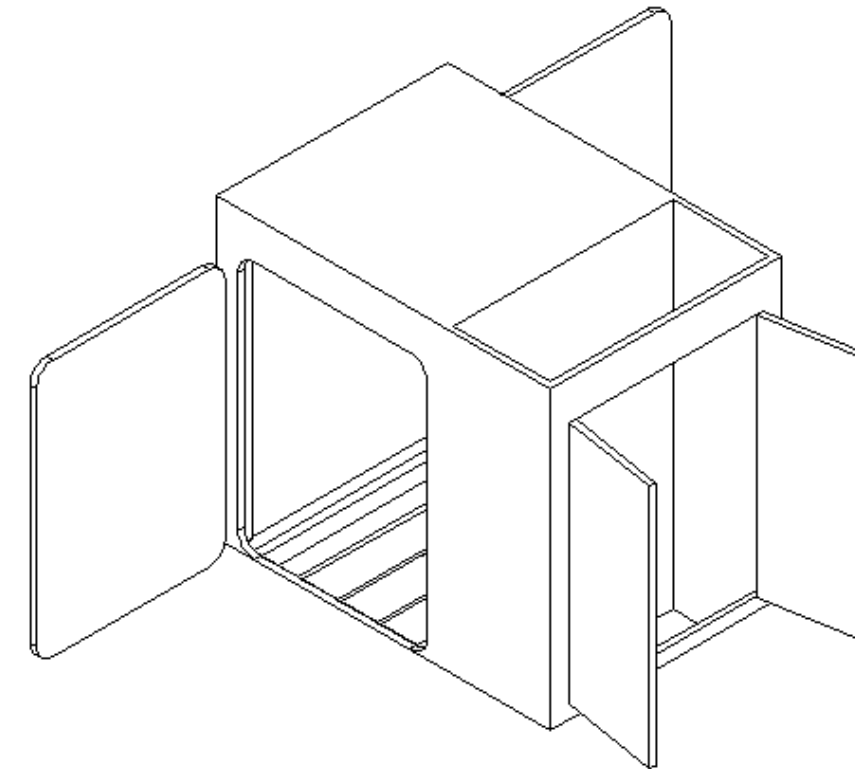
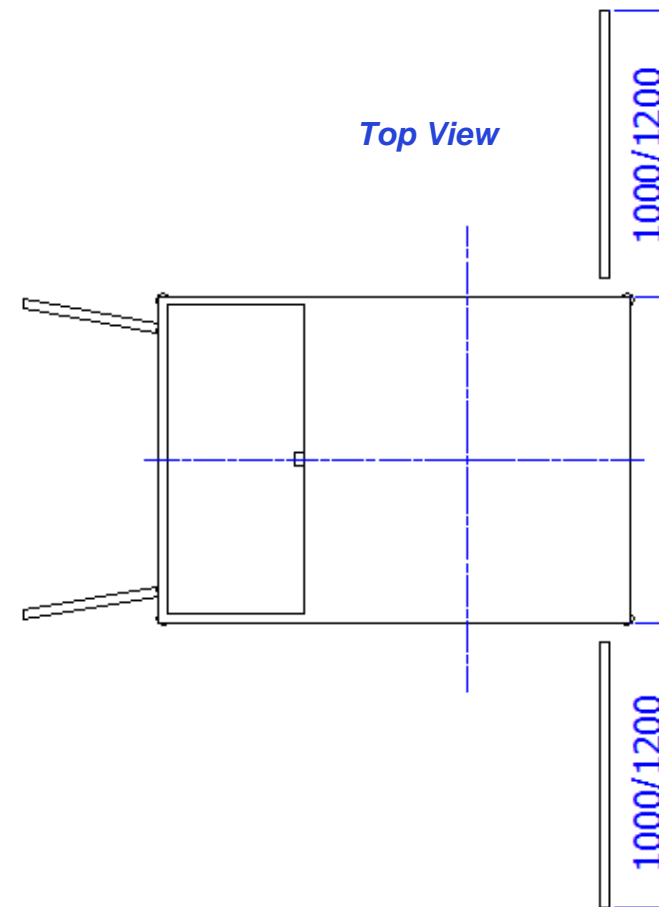
Pit Mounted 38151 Walk In Washer Layout



Front View

Side View

Top View



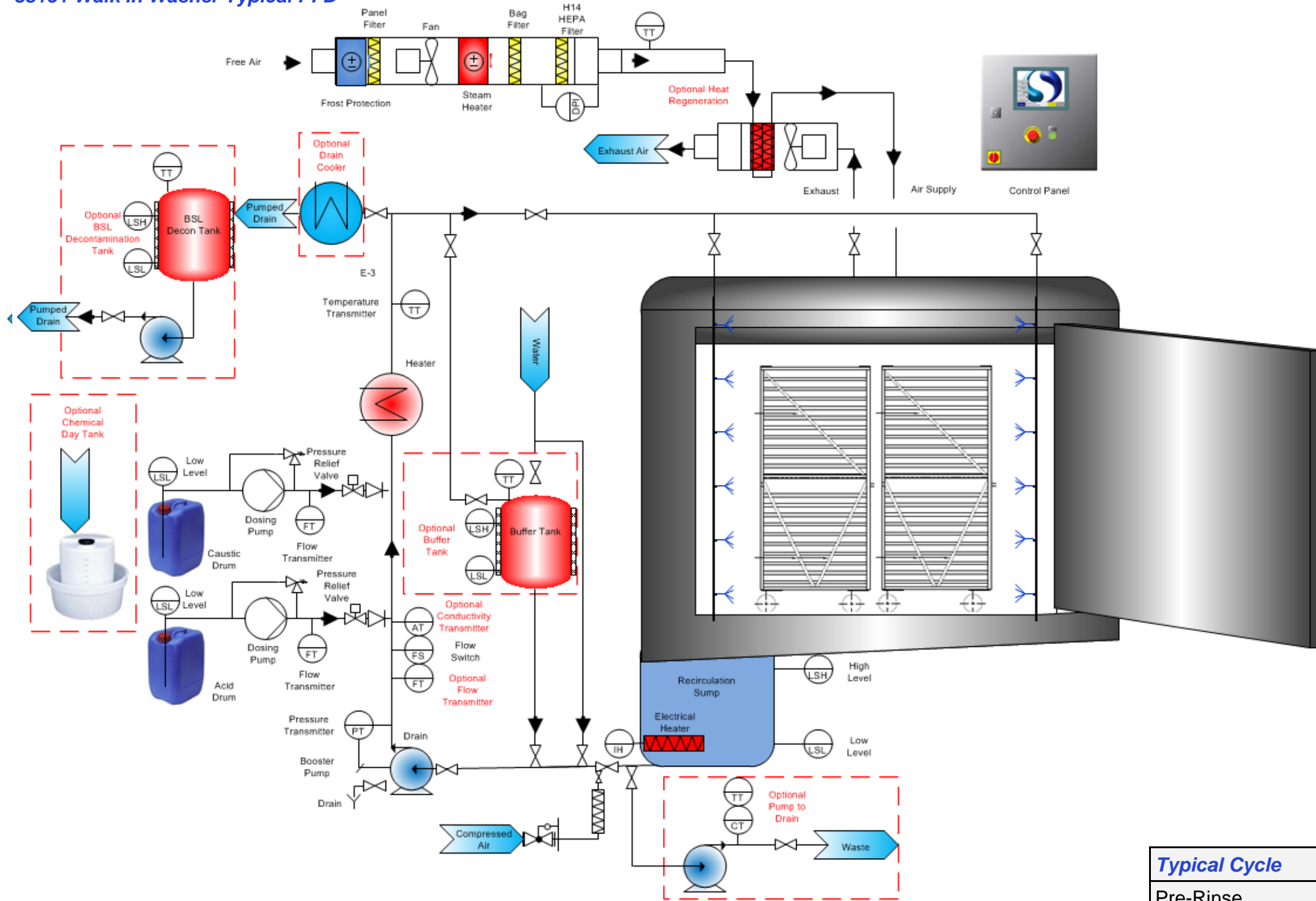
Typical Utilities	
Water	400 litres/min @ 1 bar
Air	Minimal use @ 7bar
Electricity	12 kW 400Vac 3ph+n 50hz
Steam	500 kg/hr @ 3 bar
Drain	400 litres/min @ 1 bar

Common Options	
Back and Front Doors	Drying
Automatic Door/s	Different Pit Depths
Water Buffer Tank	Rinse Aid Addition
Water Reclaim Tank	Conveyor Loading
Electrical/Steam Heating	BSL Decontamination Tank
Drain Cooler	Water pre-heater

Pit Mounted 38151 Walk In Washer Dimensions

Part #	Dimensions mm		
	Width	Length	Height
<b>38151 Walk In Washer 1000/2200</b>	1,900	2,200	2,500
<b>38151 Walk In Washer 1000/3000</b>	1,900	2,900	2,500
<b>38151 Walk In Washer 1200/2200</b>	2,100	2,200	2,500
<b>38151 Walk In Washer 1200/3000</b>	2,100	2,900	2,500

### 38151 Walk In Washer Typical PFD



Typical Washer Loaded with Trolleys



Typical Washer Loaded with Trolleys

### Versatile Recipe Control

Versatile automation system allows you to build your own recipes from pre-commissioned steps in any order. The variables in each step can be individually configured. The system can either be run as a single pass, so that the wash liquid goes directly to drain after washing or can be used in recirculation mode, so that the sump is filled and recirculates the liquid for a pre-set time.

Standard programmes are included for short clean, long clean and self clean/descale. Additional programmes can be individually configured allowing optimisation to ensure repeatability and maximum efficiency.

### Typical Rinses

Cold Water Flush	Single Pass or recirculated
Hot Water Flush	Single Pass or recirculated
Cold Chemical Rinse	Single Pass or recirculated
Hot Chemical Rinse	Single Pass or recirculated
Air purge	To remove water from pipework
Air Blow	Air pumped into washing chamber
Gravity Drain	System Drain

### Typical Cycle

Pre-Rinse	Deliver cold water as a single pass rinse
Chemical Rinse	Fill sump with hot chemical — recirculate
Inter-rinse Rinse	Fill sump with cold water — recirculate
Final Rinse	Deliver cold water as a single pass rinse
Air purge	Removes water from pipework
Air Blow	Air pumped into washing chamber
Gravity Drain	System Drain