

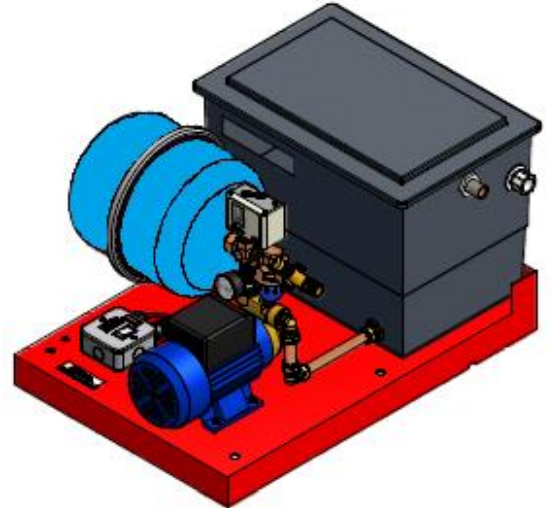
## BOSS AX-5 Mechanical Pressurisation

### Description:

Compact, open skid mounted mechanical pressurisation unit for use on sealed systems in order to provide a minimum system pressure requirement.

### Product Features:

- Floor standing
- Combined High / Low switches
- Analogue Pressure Gauge
- Pressure Relief Valve
- 18 Litre break tank with type AB Air Gap Fluid Cat 5



### Certifications and Standards Applied:

- PED 97/23/EC Sound Engineering Practice.
- IEE - Electrical Safety Guidance.
- EMC 2004/108/EC.
- BS 7074 Parts 1 to 3.
- Machine Directive 95/16/EC.
- Electronic Components have been tested and comply with the EMC Directives.
- EN 61000-6-2: Generic Standards – Immunity standard for industrial environments.
- EN 61000-6-3: Generic Standards – Emission standard for residential, Commercial and light industrial environment.
- CE marked components, where applicable.
- WRAS approved float valve to BS1212 part 2.

### Maximum Operating Conditions:

- Maximum system temperature 85°C
- Ambient temperature up to 40°C
- Relative humidity 95% non-condensing

### Application of Use:

- Commercial.
- Industrial.
- Residential (Flats)



## Selection Details

- Static Height of the building above the pressurisation unit (meters)
- Systems content (litres) If unknown provide the boiler power (kW) which can be used to estimate the systems content
- Flow and return temperatures, maximum ambient temperature for chilled water systems.
- Glycol content (%) if required
- Final working pressure

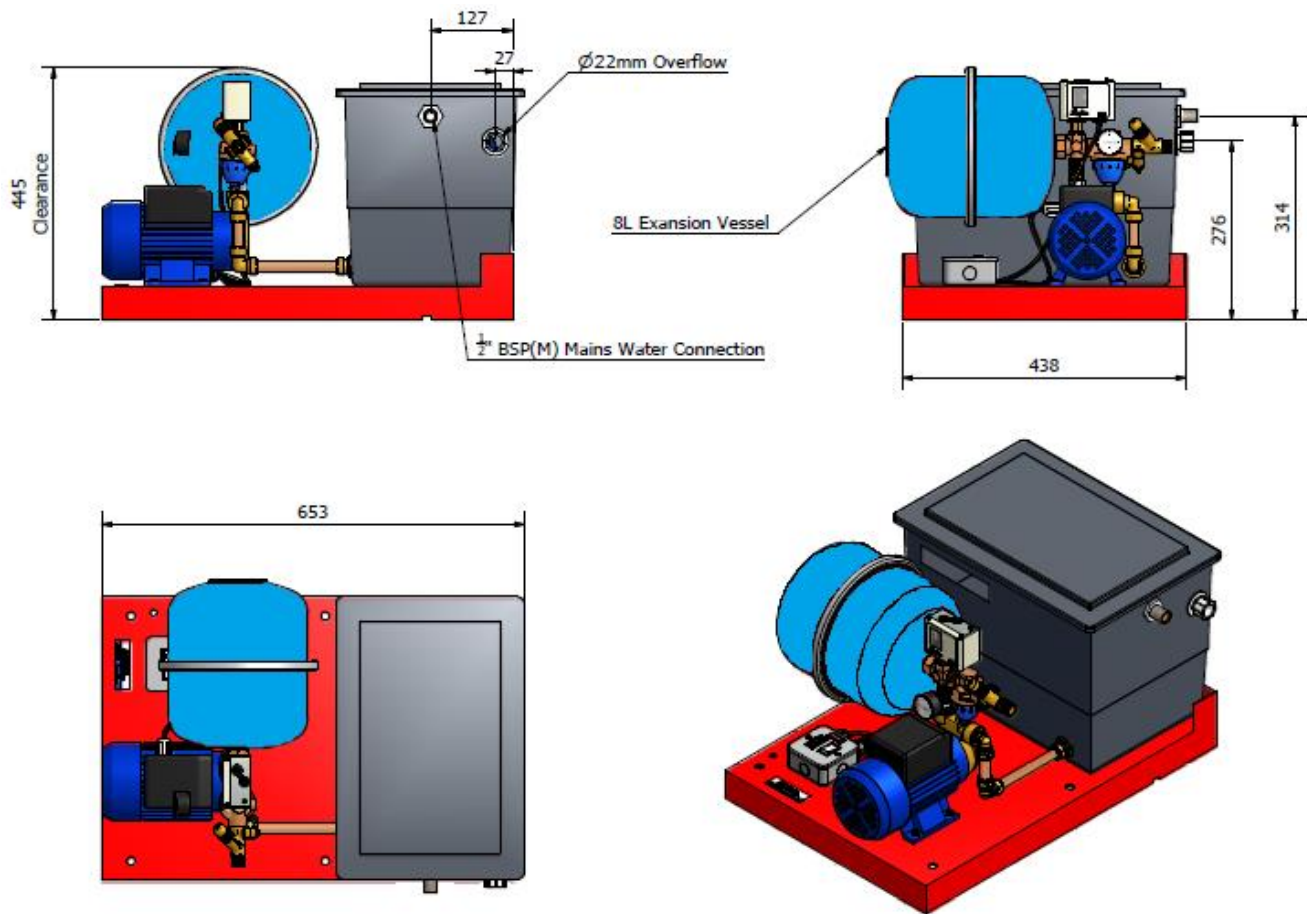
## Material of Construction:

- Skid: Mild steel CR4
- Float: WRAS Approved Beta Side Entry
- Break tank: WRAS approved Polypropylene
- Pump: Cast Iron volute & Brass impeller
- Pump: WRAS Approved
- Connection: Brass / Polypropylene
- Pipework: Copper
- Colour: Powder Coated – Red (RAL 3002)

## Specifications:

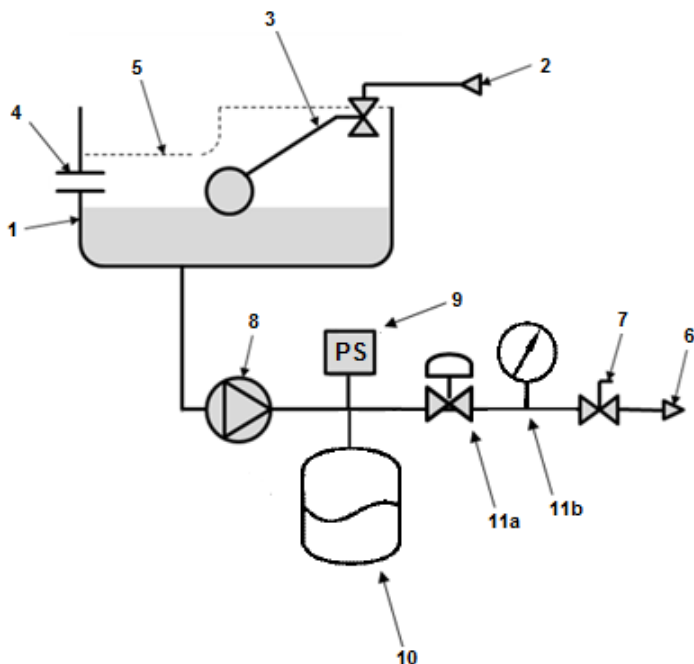
Product Name	Dimensions (mm)			Connections (mm)			Dry Weight (Kg)	Order Code
	Width	Depth	Height	System	Mains Supply	Drain		
BOSS AX1-5	653	438	445	15 (½")	15 (½")	22	16.5	03510050

Product Name	Required Supply Voltage	Pump Quantity	Maximum Delivery Pressure (Bar)	Power Consumption (kW)	Full Load Current (Amps)	Noise Rating (dBA)	Pressure Rating (Bar)
BOSS AX1-5	230V/1/50Hz	1	5	0.5	3.4	<75	PN10



Height clearance required of 445mm

## Schematic layout:



## KEY

- 1 Break Tank
- 2 Mains Water Inlet
- 3 Float Operated Valve
- 4 Overflow Connection
- 5 AB Air Gap Backflow Protection
- 6 Supply To Sealed System
- 7 Isolation/Drain Valve
- 8 Pump
- 9 Pressure Switch
- 10 8 Lt Expansion Vessel
- 11a / 11b Pressure Relief Valve with Gauge

## Pump Details

Model Type	Pump Qty	Pump Type	Pump Body	Impeller	Insulation Class	IP Rating
BOSS AX1-5	1	PR11	Brass	Brass	F	IPX4

## Pump Curve:

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

