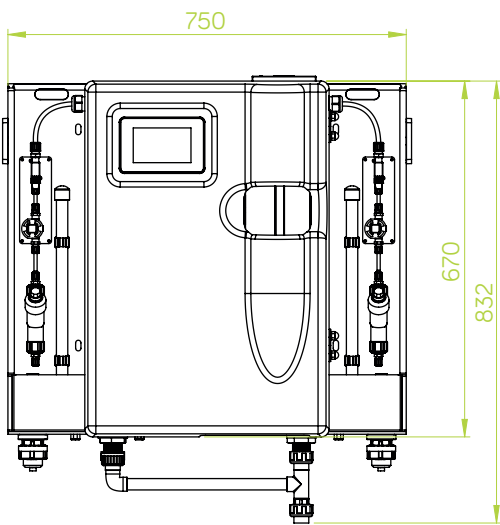


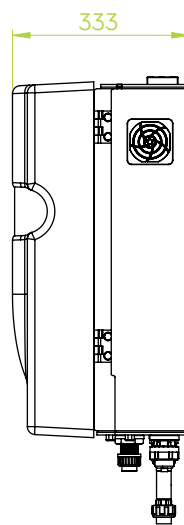
IN-SITU MONOCHLORAMINE GENERATION SYSTEM

Dimensions

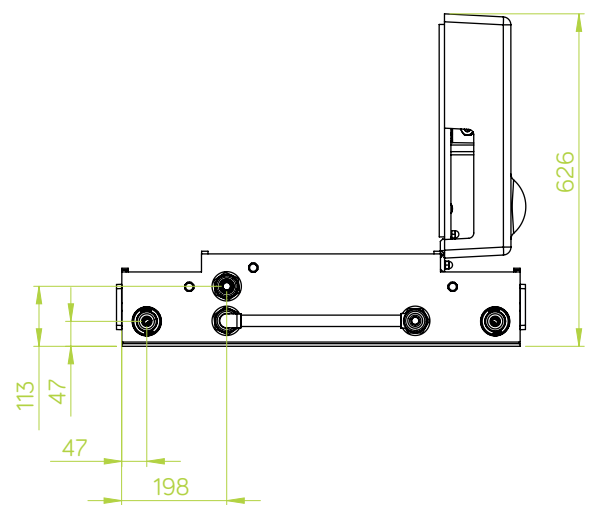
Modular



FRONT

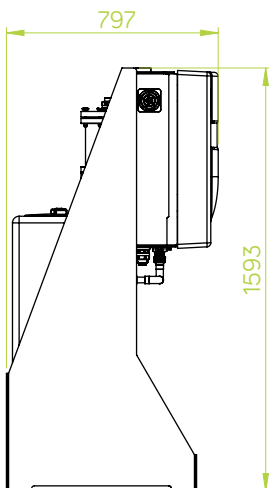


SIDE

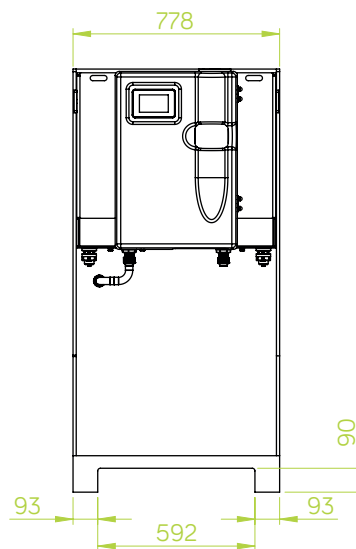


BOTTOM

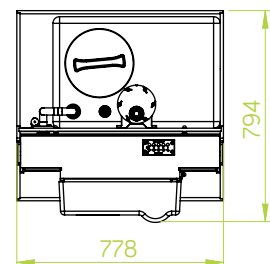
Skid



SIDE



FRONT



TOP

Features

Control

- Chemical usage counters
- Variable output control
- Alarm & Event logs
- Service reminders
- Live process mimics
- Adjustable reagent concentrations
- Reagent refill reminders
- Automatic NaClO degradation compensation
- Vacuum batched reagents
- ORP (Redox) generation set-point

Inputs

- Reagent A level
- Reagent B level
- Tank start/stop
- Tank high level
- Tank low level
- Batch control contact
- E-stop
- Remote Inhibit
- Site water meter

Outputs

- Alarm signal contact
- Modbus RTU/TCP
- EtherNet/IP
- BACnet
- CANopen
- Email/SMS
- VNC

Specifications

| Reagent Data | | MCA 1000 |
|--|------|---|
| A (Ammonium Sulphate) | - | (NH ₄) ₂ SO ₄ |
| A Concentration | w/w% | 20 - 40* |
| A Consumption (Min-Max) | ml/h | 5 - 700 |
| B (Sodium Hypochlorite) | - | NaClO |
| B Concentration | w/w% | 15* |
| B Consumption | ml/h | 50 - 5000 |
| Reagent Temperature | °C | 10 - 30 |
| Monochloramine Output (NH ₂ Cl) | | |
| Max. Capacity | g/h | 1000 |
| Max. Volume | L/h | 5 - 500 |
| Concentration | mg/L | 2000* |
| Storage | L | 200 (Skid System) |
| Operating Water (Potable Quality) | | |
| Max. Consumption | L/h | 500 |
| Inlet Water Pressure | MPa | 0.2 - 0.3 |
| Inlet Water Temperature | °C | 5 - 30 |
| Environmental | | |
| Max. Consumption | L/h | 500 |
| Protection Class | IP | 65 (Indoor Use) |
| Ambient Temperature | °C | 5 - 40 |
| Humidity | % RH | 90 (Non-Condensing) |
| Electrical Data | | |
| Supply Voltage | V~ | 110 - 230V |
| Frequency | Hz | 50 - 60 |
| Rated Power | W | 60 |
| Size Data | | |
| Dimensions (Modular) | mm | 832H x 750W x 333D |
| Dimensions (Skid) | mm | 1593H x 778W x 797D |
| Weight | Kg | Modular: 32Kg / Skid: 85Kg |
| Connections | | |
| Inlet Water | - | ½" / 20mm Solvent Welded Union End / G1" |
| Inlet Water PRV | - | R½" / G½" |
| Product Outlet | - | ½" / 20mm Solvent Welded Union End / G1" |
| Reagent Inlets | - | 6mmOD x 4mmID |
| Reagent Dual Containment | - | 20mmOD (12.5mmD x 18.5mmOD Hose) |
| Reagent Suction Controllers | - | 6mmOD x 4mmID |

*Concentrations/volumes adjustable via HMI

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Accrington, Lancashire BB5 6NT

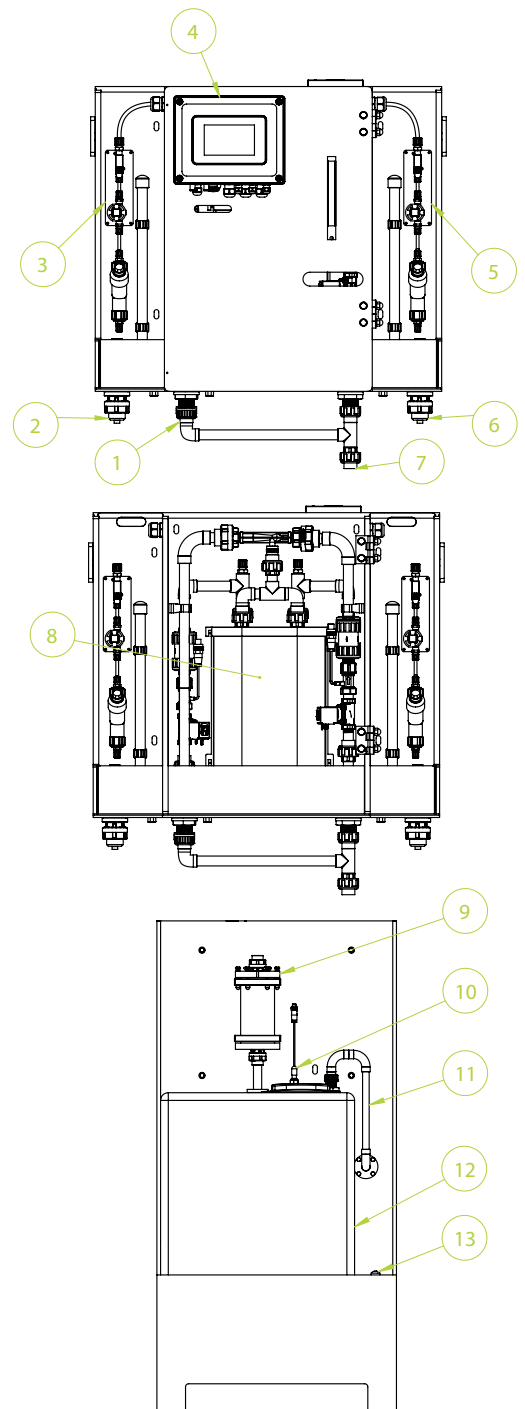
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WATER



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Schematics

| Item | Feature Equipment | Item | Feature Equipment |
|------|----------------------|------|-------------------------|
| 1 | Product Outlet | 8 | Blending Vessel |
| 2 | Reagent A Inlet | 9 | Gas Scrubber |
| 3 | Reagent A Metering | 10 | Dual Float Level Switch |
| 4 | HMI | 11 | Product Tank Inlet |
| 5 | Reagent B Metering | 12 | Product Storage Tank |
| 6 | Reagent B Inlet | 13 | Bund Flood Float Switch |
| 7 | Dilution Water Inlet | | |