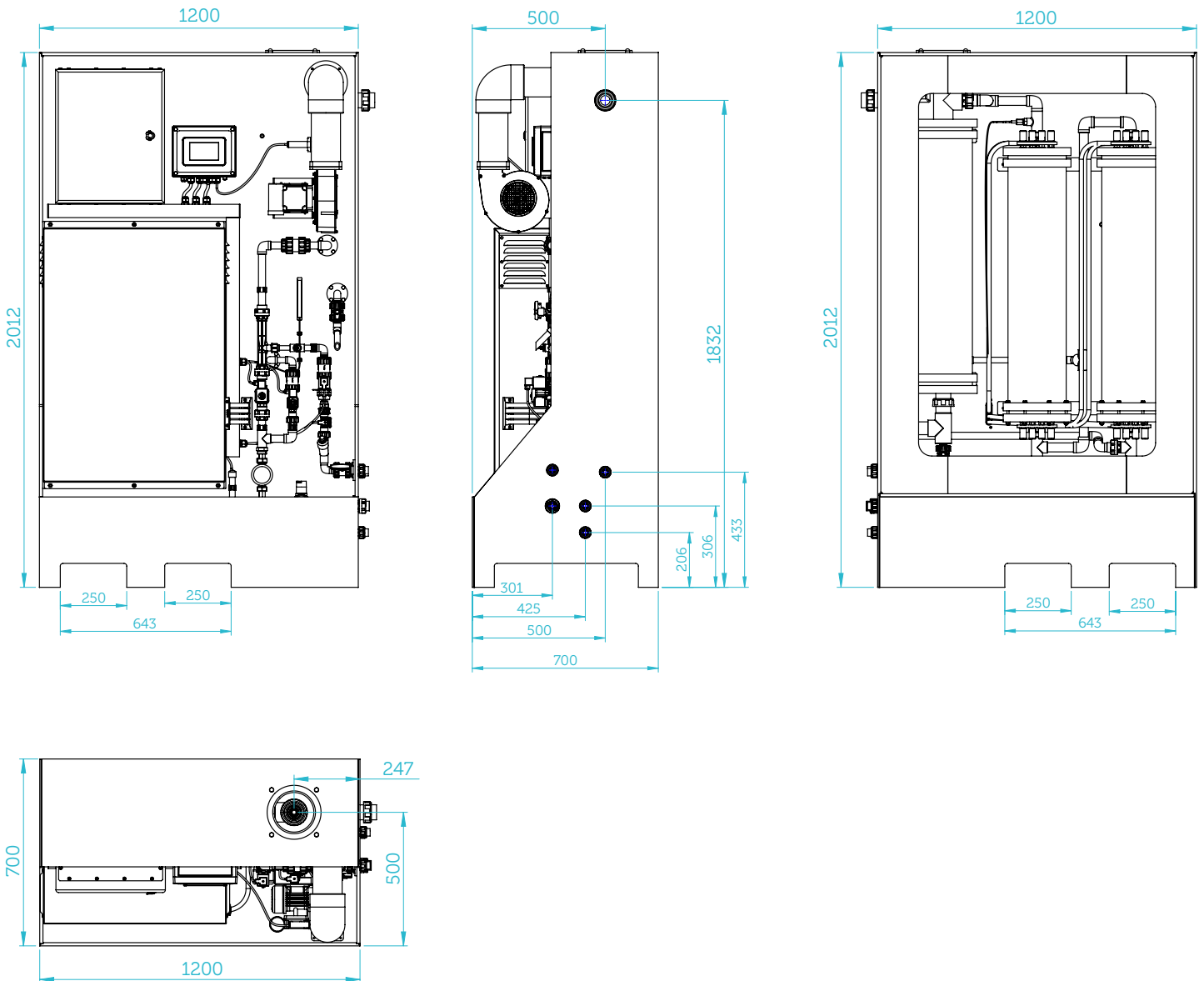


HYPROLYSER[®] iSEC[®]-4 MODULAR 5000

IN-SITU SODIUM HYPOCHLORITE GENERATION SYSTEM

Dimensions



Features

Control

- DSEAR Compliance
- Eco Salt/Auto/Soft start operation modes
- Electrolyser CIP facility
- Precise volumetric softened water & volumetric vacuum brine feed
- Advance multi-point temperature monitoring & auto-control compensation
- Volumetric airflow dilution monitoring

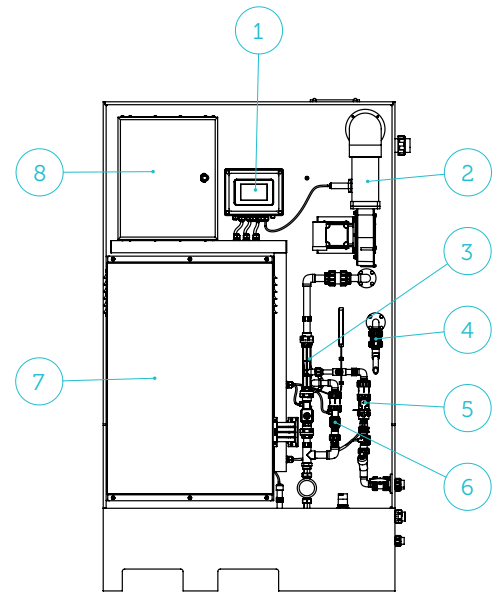
- Alarm & event logs
- Service reminders
- Live process & IO mimics Inputs

Inputs

- External tank level control
- Remote inhibit
- E-Stop
- Batch control

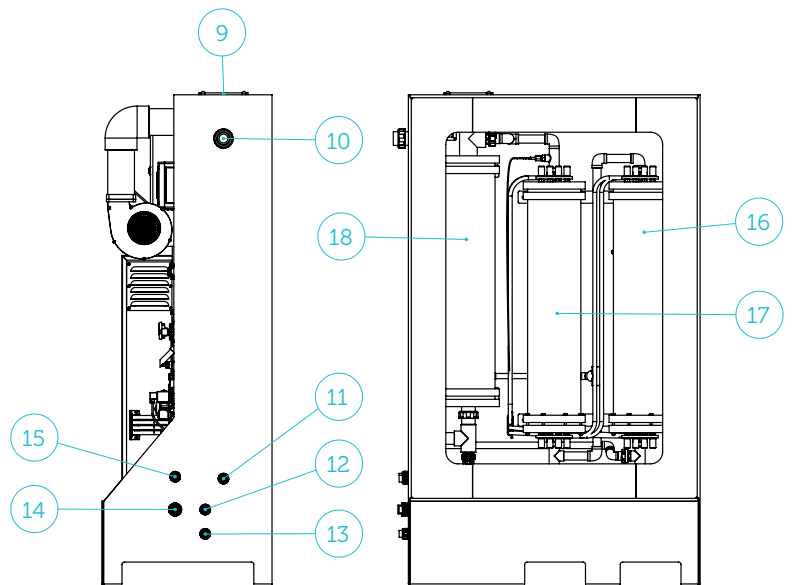
Outputs

- Alarm signal contact
- Modbus RTU/TCP
- Email alerts
- VNC
- MQTT



Specifications

| Product Output (Approx.) | | iSEC-4 |
|---------------------------------|------|-----------------------------------|
| Cl ₂ capacity | g/h | 5000 |
| Cl ₂ concentration | mg/L | 7 +/- 0.5 |
| NaClO solution | L/h | 715 |
| Inlet Water Specification | | |
| Pressure | MPa | 0.2 - 0.8 |
| Temperature | °C | 5 - 27 |
| Hardness (CaCO ₃) | mg/L | <20 |
| Environmental | | |
| Ambient temperature | °C | 5 - 40 |
| Humidity | % RH | 90 |
| Electrical Data | | |
| Supply voltage | V~ | 400V 3N~ |
| Frequency | Hz | 50 / 60 |
| Max. rated power | kVA | 30 |
| Consumption | | |
| Power (kWh/kg Cl ₂) | kWh | 4.0 - 5.0 |
| Salt (kg/kg Cl ₂) | Kg | 3.0 +/- 0.2 |
| Connections (Modular) | | |
| Water inlet | - | ¾" / 25mm |
| Brine inlet | - | ½" / 20mm |
| Drain/CIP Inlet | - | ½" / 20mm |
| Drain/CIP outlet | - | ½" / 20mm |
| Product outlet | - | 1 ½" / 50mm |
| Vent outlet | - | 2" / 63mm |
| Other | | |
| Tank fill level | m | 1.8 - 3.0 (Room height dependent) |



Schematics

| Item | Feature Equipment | Item | Feature Equipment |
|------|---------------------------|------|-------------------------------------|
| 1 | Touchscreen HMI | 10 | Product outlet |
| 2 | Air dilution & monitoring | 11 | Degassing column drain / CIP outlet |
| 3 | Brine eductor | 12 | Electrolyser 2 drain |
| 4 | Product sample valve | 13 | Electrolyser 1 drain / CIP inlet |
| 5 | Brine flow meter | 14 | Softened water inlet |
| 6 | Dilution water flow meter | 15 | Brine inlet |
| 7 | DC Power supply | 16 | Electrolyser 1 |
| 8 | Power distribution | 17 | Electrolyser 2 |
| 9 | Vent outlet | 18 | Degassing column |

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