

HIDROLIFE

SALT ELECTROLYSIS

PUBLIC SWIMMING POOLS



Non contractual photography

PUBLIC SWIMMING POOLS

| Public swimming pools* | Model | Description | Components |
|------------------------|---------|--|--|
| 120 m ³ | SAL 85 | Salt electrolysis 85 g Cl ₂ /h | Electronic unit / Titanium cell / Transparent PVC support 110 mm |
| 250 m ³ | SAL 125 | Salt electrolysis 125 g Cl ₂ /h | Electronic unit / Titanium cell / Transparent PVC support 110 mm |
| 350 m ³ | SAL 175 | Salt electrolysis 175 g Cl ₂ /h | Electronic unit / Titanium cell / Transparent PVC support 110 mm |
| 500 m ³ | SAL 250 | Salt electrolysis 250 g Cl ₂ /h | Electronic unit / Titanium cell / Transparent PVC support 140 mm |
| 700 m ³ | SAL 350 | Salt electrolysis 350 g Cl ₂ /h | 2 electronic units / 2 cells titanio / 2 transparent PVC supports 110mm |
| 1000 m ³ | SAL 500 | Salt electrolysis 500 g Cl ₂ /h | 2 electronic units / 2 titanium cells / 2 transparent PVC supports 140mm |

* equipment dimensioning for public and community swimming pools

$$\frac{[(N^\circ \text{ bathers}) \times 10] + [\text{volume m}^3 \times 2]}{\text{filtration hours}} = \text{necessary production of gr/h for public swimming pools}$$



Self cleaning Cell



Cell warranty



Polarity change programming



PVC Transparent support



Security sensor included



Cells for large pools



Redox measurement and control (rX)



pH measurement and control



Free chlorine measurement and control (Cl₂)

ELECTRONIC UNIT

| DESCRIPTION | SAL 85 | SAL 125 | SAL 175 | SAL 250 | SAL 350 | SAL 500 |
|---------------------------------------|--|--------------------|--------------------|--------------------|--------------------|---------------------|
| Maximum production Cl ₂ /h | 85 g | 125 g | 175 g | 250 g | 350 g | 500 g |
| Salinity | From 3 g to 100 g de NaCl/l | | | | | |
| Pool Volume m ³ | 120 m ³ | 250 m ³ | 350 m ³ | 500 m ³ | 700 m ³ | 1000 m ³ |
| Display | 4.3" TOUCH SCREEN removable screen for remote installation (12 languages) | | | | | |
| Power supply | 220V 50/60 Hz | | | | | |
| Output | 8-85 A | 8-125 A | 10-85 A | 10-125 A | 2 (10-85 A) | 2 (10-125 A) |
| Maximum consumption | 680 W | 1000 W | 1020 W | 1500 W | 2 x 1020 W | 2 x 1500 W |
| Dimensions | 680 x 440 x 320 mm | | | | | |
| Electronic unit | Black anodized aluminum | | | | | |
| Protection cover | Flame retardant plastic black ABS | | | | | |
| Control | Microprocessor 32 bits | | | | | |
| Intensity regulation | Amperage + Voltage | | | | | |
| Ventilation | Heatsink | | | | | |
| Self-cleaning | Programmable from 1 to 24 h | | | | | |
| Flow control | Flow sensor | | | | | |
| Operating hours counter | Yes, accessible by customer | | | | | |
| Production control | g/L | | | | | |
| Alarms | Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time | | | | | |
| Salinity test | Detects g/l of salt (accuracy of ± 10%) | | | | | |
| Production control per deck/cover | Configurable production level 0-100% depending on open or closed pool cover | | | | | |
| External signal production | Configurable production level 0-100% depending on any external signal (second analog input) | | | | | |
| Communications | MODBUS RS485 / WIFI / ETHERNET | | | | | |
| Main control outputs | Filtration control / Lighting control / Heating control | | | | | |
| Additional control outputs | 4 additional relay outputs configurable by the user | | | | | |

SALT ELECTROLYSIS CELL

| DESCRIPTION | SAL 85 | SAL 125 | SAL 175 | SAL 250 | SAL 350 | SAL 500 |
|--------------------------|-------------------------------------|----------------------|----------------------|----------------------|------------------------|------------------------|
| Saline electrolysis cell | 6 titanium plates | 10 titanium plates | 13 titanium plates | 17 titanium plates | 2 x 13 titanium plates | 2 x 17 titanium plates |
| Minimum flow | 15 m ³ /h | 15 m ³ /h | 15 m ³ /h | 20 m ³ /h | 30 m ³ /h | 40 m ³ /h |
| Plates sizes | 400 x 90 x 24 mm | 400 x 90 x 34 mm | 400 x 90 x 38 mm | 400 x 90 x 50 mm | 2 cells SAL 175 | 2 cells SAL 250 |
| Cell support material | Transparent PVC plastic | | | | | |
| Cell closure | Threaded for easy cell installation | | | | | |
| Pipe connection diameter | 110 mm | 110 mm | 110 mm | 140 mm | 110 mm | 140 mm |
| Dimensions millimeters | 650 mm x 140 mm | | 760 mm x 140 mm | | 2 cells SAL 175 | 2 cells SAL 250 |
| Cell cable | 2 (1 x 35) x 2 m | 2 (1 x 50) x 2 m | 2 (1 x 35) x 2 m | 2 (1 x 50) x 2 m | 4 (1 x 50) x 2 m | |
| Maximum pressure | 4 Kg/cm ² | | | | | |
| Maximum temperature | Minimum 0° C / Maximum 45° C | | | | | |