



WATER TREATMENT



**ATECPool
INTERNATIONAL
GROUP**

Chemical Dosing & Control

Widest range of water treatment solutions for your pool

The best water treatment for any water bodies big or small with integration of modular high end products and suitable selection of chemicals from **ATECPool**.

Highest standard of service, full automation and control system with wide selection of water treatment equipment make our treatment the best and hassle free. Water Treatment equipment are calibrated

and designed to comply with the values regulated by the World Health Organization (WHO) Health Department and the National Spa and Pool Institute (NSPI) for the prevention of germs and bacteria.

ATECPool is your best choice to ensure high quality water.



Atecpool Salt Water Electrolysis

Commercial & Private

Salt Electro-chlorination > Healthier water and better resources



Salt Water Electrolysis

- *Low Cost*
- *Effective*
- *Healthy*
- *Comfortable*
- *Ecological*
- *Easy to use*

Saline electrolysis is a water treatment method in which the oxidising agent, the chlorine, is generated directly from the water to be treated by means of an electrolytic process. This technique avoids the need to add Chlorine (Calcium Hypo) to the water being treated, thereby eliminating any handling or storage of chemicals.



Salt Water Electrolysis

Automation Enabled Salt Chlorinator

Atecpool Automation Enabled - DAGEN Salt Water Electrolysis & Hydrolysis

Atecpool Automation Enabled Salt Chlorinator use mainly free radicals for disinfection and a small amount of free chlorine for residual disinfection, the unit maintain the salinity (TDS) at the lowest possible level. With a salinity (TDS) of only 800 – 1500 mg/l (0.8 – 1.5kg/ of salt per m³), DAGEN Salt Chlorinator will produce a lot of free radicals and enough chlorine for residual disinfection.

Instead of using only regular salt (NaCl), its recommended to use 25-50% DAGEN Activator of magnesium chloride (MgCl₂).

DAGEN Activator not only raises the salinity to the desired level, it increases the hardness of the water and it also removes phosphates from the water. Phosphates are nutrients for algae and bacteria. Usually only about 1kg of salt (NaCl) and or DAGEN Activator (MgCl₂) per m³ of pool water volume is required. This small amount of minerals also ensures that chloride levels (Cl-) remain below 600ppm, which is the corrosion limit for stainless steel 1.4571 (316).



Swim in drinking water!



Easy Touch

Easy Run



DAGEN Complete Assembly Free Chlorine (PPM)

DAGEN complete assembly includes the following modules: Wi-Fi, free chlorine control, flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF® (Active Poly Floc).

Code	Description	chlorine production		max. pool volume
		TDS 1200	TDS 2400	private
ASTATION 15	DAGEN complete assembly 45	7g/hr	15g/hr	45m³
ASTATION 30	DAGEN complete assembly 90	15g/hr	30g/hr	90m³
ASTATION 50	DAGEN complete assembly 150	25g/hr	50g/hr	150m³

DAGEN Complete Assembly RX

DAGEN is also available configured with Redox control instead of free chlorine. DAGEN complete RX includes the following modules: Wi-Fi, redox control, flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF® (Active Poly Floc).

Code	Description	chlorine production		max. pool volume
		TDS 1200	TDS 2400	private
ASTATION RX:15	DAGEN complete assembly 45-RX	7g/hr	15g/hr	45m³
ASTATION RX:30	DAGEN complete assembly 90-RX	15g/hr	30g/hr	90m³
ASTATION RX:50	DAGEN complete assembly 150-RX	25g/hr	50g/hr	150m³



All DAGENs are equipped with a **Wi-Fi module to monitor and protocol your pool water quality 24/7** on your mobile phone or your computer



High performance hydrolyser Splits water molecules into free radicals for the best disinfection



Highly efficient electrodes. Works with only 1g/liter of salt (NaCl) or Magnesium chloride (MgCl₂)



Complete controller for your pool system with integrated Wifi module



Swim in drinking water! Combine DA-GEN with full accessories to turn pool water into drinking water quality



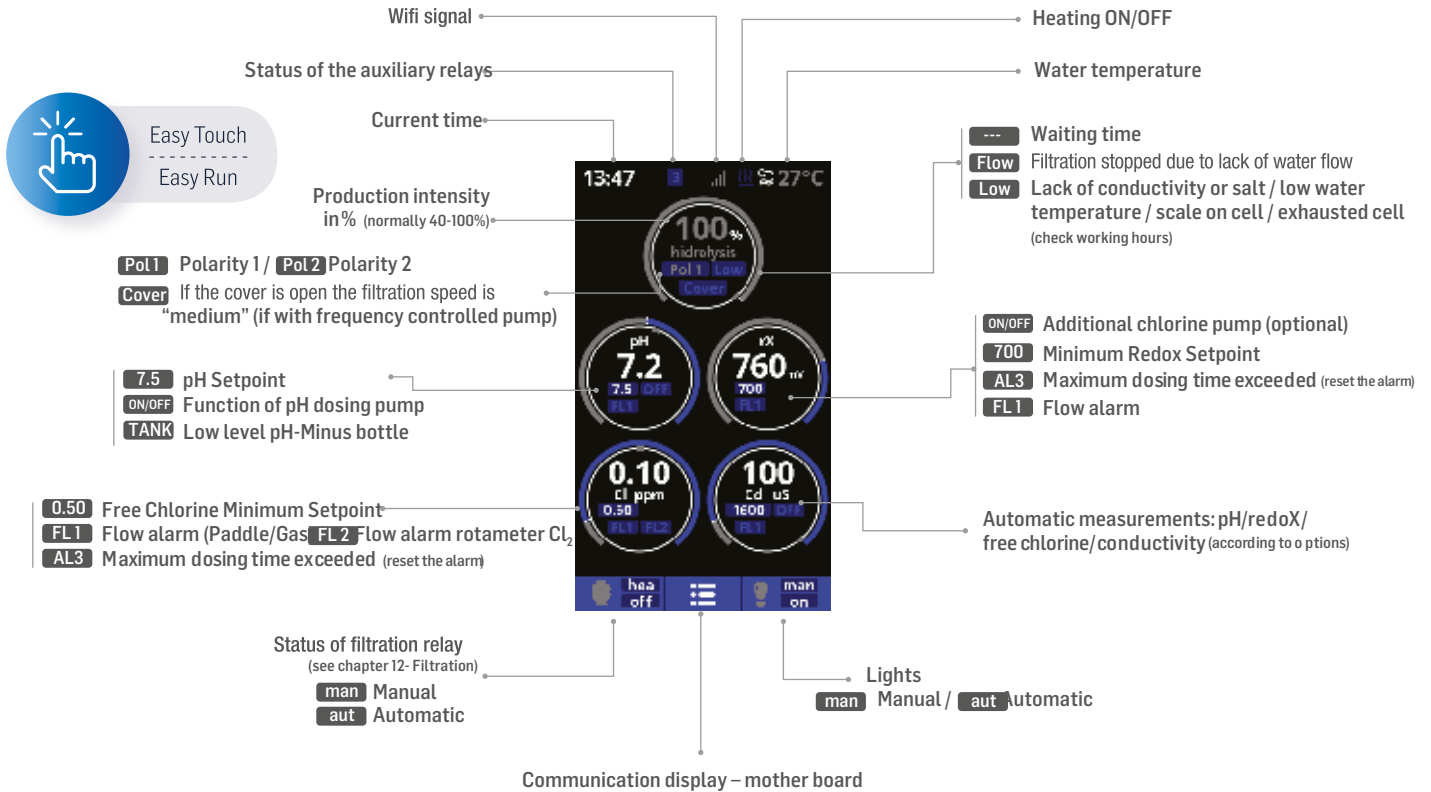
- pH measurement and automatic dosing
- Free chlorine (or Redox) measuring and control
- Temperature sensor
- Pump and backwash control (programmable)
- Automatic dosing of APF® for the best coagulation and flocculation
- Salinity probe (optional)
- Pool lights control
- Automatic dosing of ACO® (optional)

Salt Water Electrolysis

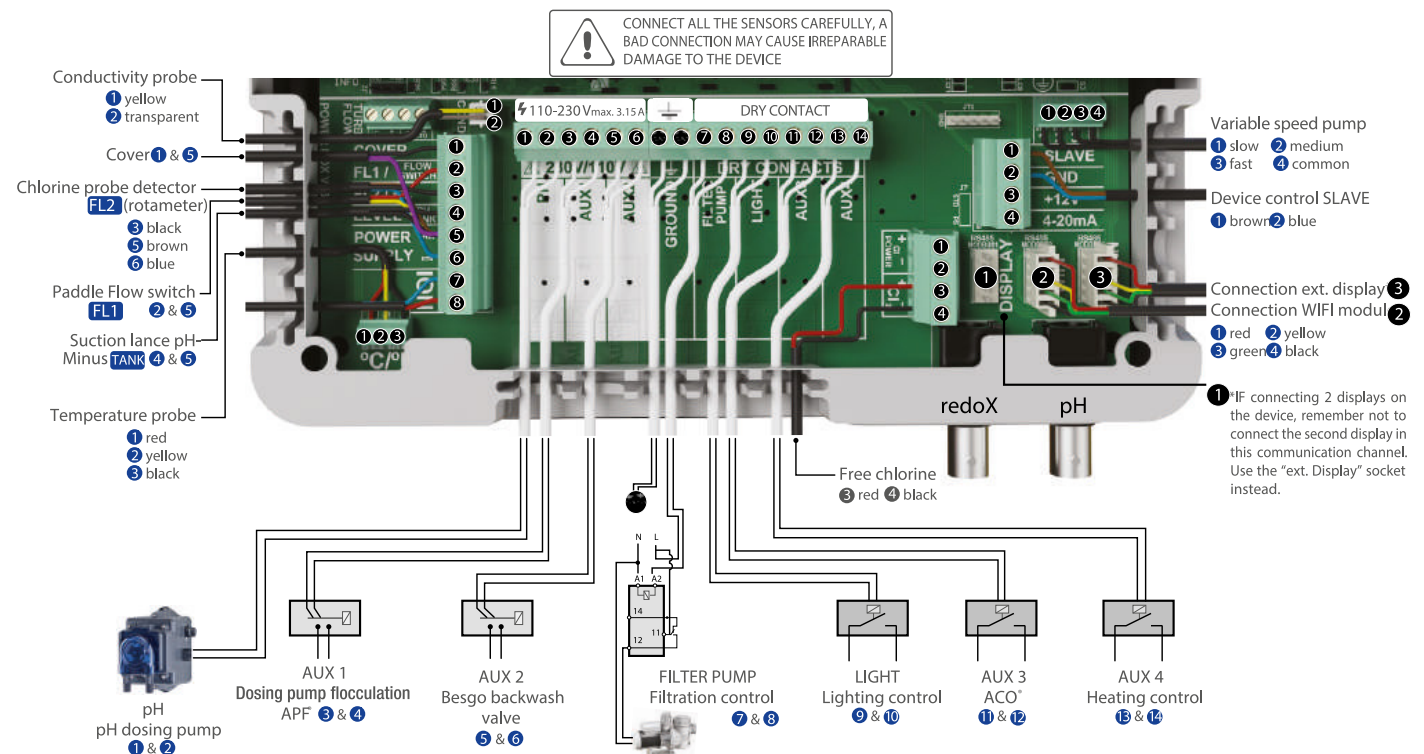
Automation Enabled Salt Chlorinator

Atecpool Automation Enabled - DAGEN Salt Water Electrolysis & Hydrolysis

Main Screen



Electrical connections



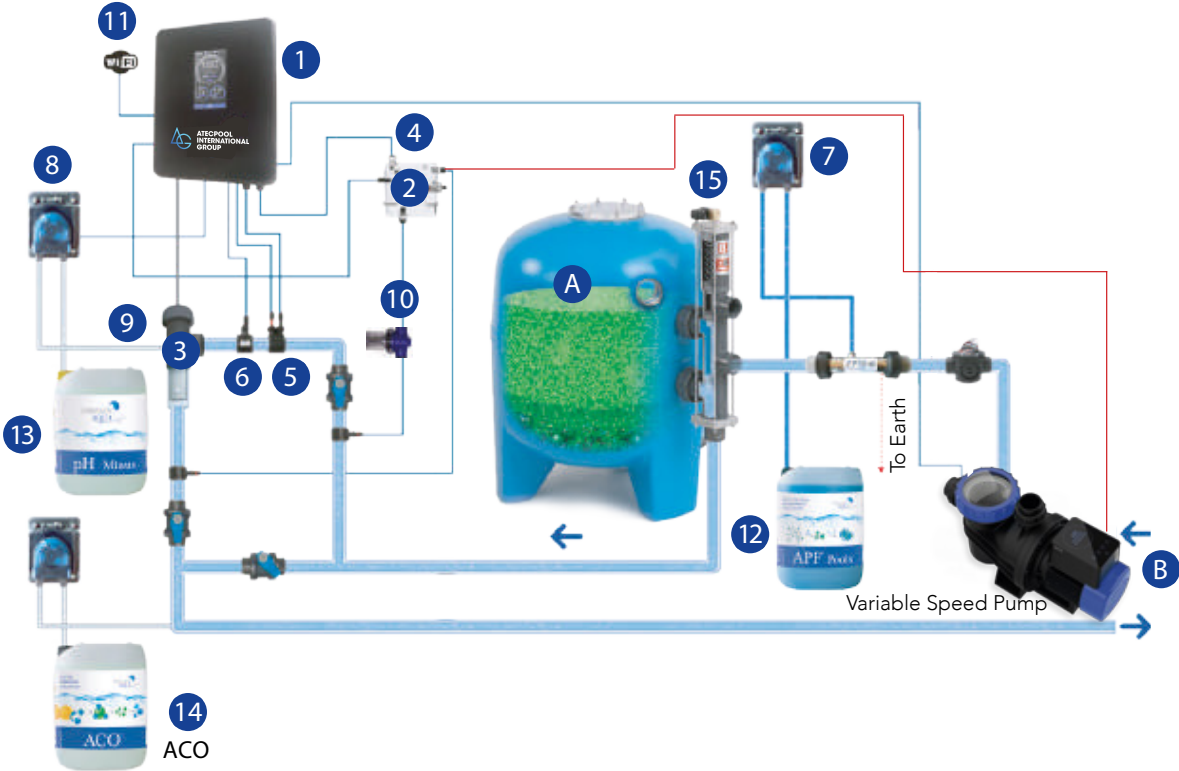
Salt Water Electrolysis

Automation Enabled Salt Chlorinator

Atecpool Automation Enabled - DAGEN Salt Water Electrolysis & Hydrolysis

We recommend to operate the system at a pH of 7.4 and an alkalinity of >100mg/l to have a neutral LSI (Langelier Saturation Index) and to minimize the corrosion risk.

System Installation

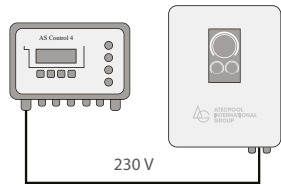


- A Filter with AFM®ng
- B Filter Pump

- Control Panel
- Free chlorine cell with rotameter
- Cell (always in vertical position if installed without paddle flow switch 6)
- pH probe
- Redox probe and/or conductivity probe
- Paddle flow switch and temperature module
- APF® dosing pump
- pH dosing pump
- pH injection
- Prefilter
- Wifi Module
- APF® (not included)
- pH-Minus (not included)
- If Outdoor pool: ACO® (not included)
- Besgo valve (not included)



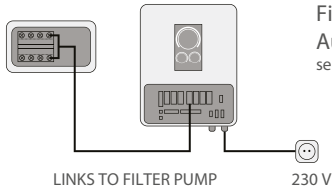
* Filtration control by external timer



Filtration mode:
"Manual/ON"



* Filtration control by internal timer



Filtration mode:
Automatic
see Chapter 12

Product	Description	Max Consumption
ASTATION 15	DAGEN complete assembly 45	125W
ASTATION 30	DAGEN complete assembly 90	180W
ASTATION 50	DAGEN complete assembly 150	175W



Salt Water Electrolysis

AT-Series Salt Chlorinator

Salt Water Chlorinator Residential

Atecpool domestic salt chlorinators are the best disinfection solution for small, medium and large pools or spas. These saline chlorinators ensure total water disinfection and an optimal chlorine supply for each installation. Choose the model of domestic saline chlorinator that best suits the characteristics of your pool.

All our household salt chlorinators have been designed with high quality materials. They have the latest technology, such as a self-cleaning cell and programmable configuration, to reduce its maintenance and increase its efficiency



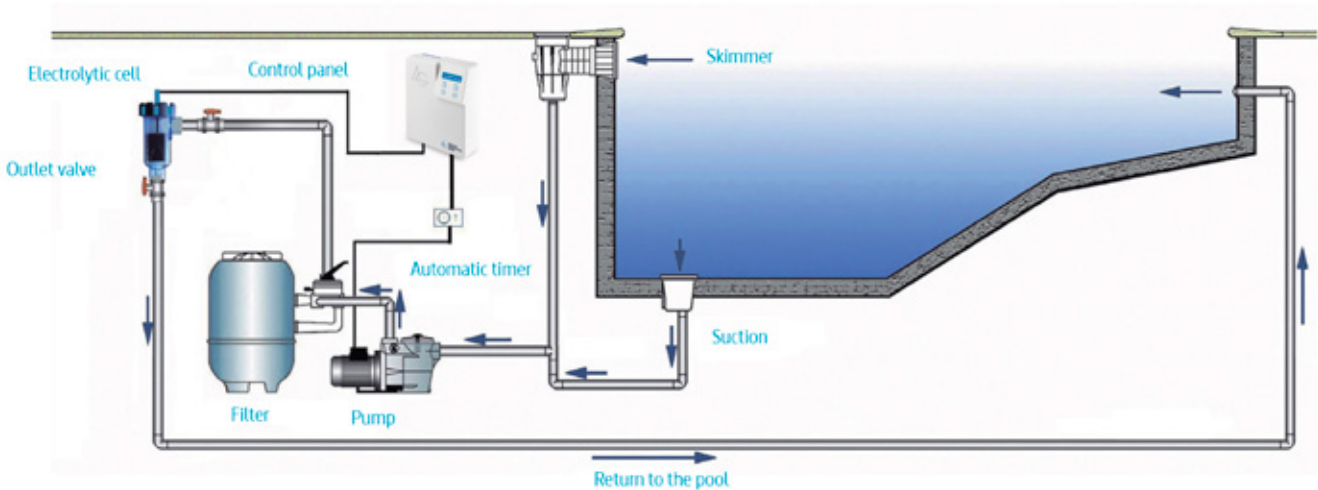
Code	Description
ATEC15	AT-Series Salt Chlorinator 15g/h
ATEC20	AT-Series Salt Chlorinator 20g/h
ATEC30	AT-Series Salt Chlorinator 30g/h
ATEC50	AT-Series Salt Chlorinator 50g/h



Specifications

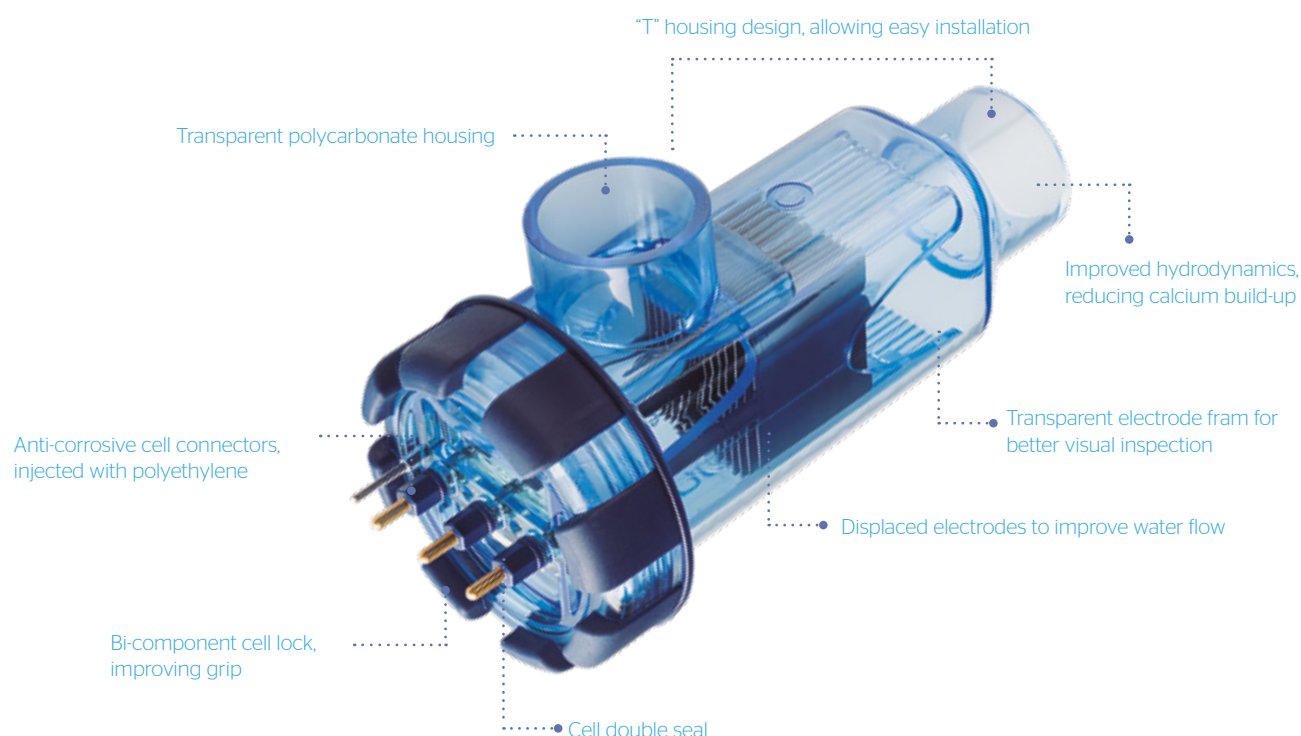
- New sealed power supply of high performance.
- Elimination of forced air ventilation: high resistance to corrosive atmospheres, notable decreases faults. IP65 rate.
- New easy user interface with Backlit LDC display.
- New wall mounting with independent stainless steel bracket.
- Detachable lead plug that allows faster and easier technical service installation.
- Self-cleaning cell.
- Cell connection without nuts, using thermo rubber waterproof connector.

Installation diagram

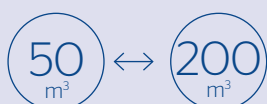


Salt Water Electrolysis

AT-Series Salt Chlorinator



Model	ATEC15	ATEC20	ATEC30	ATEC50
Description				
Power requirement / Watts	220-240VAC / 50-60Hz / 60 Watts	220-240VAC / 50-60Hz / 90 Watts	220-240VAC / 50-60Hz / 130 Watts	220-240VAC / 50-60Hz / 190 Watts
Voltage output	24 VDC	24 VDC	24 VDC	24 VDC
Chlorine production per hour	15 gr/h	20 gr/h	30gr/h	50gr/h
Recommended volume	30-50 m ³	50-90 m ³	90-150 m ³	150-200 m ³
Recommended salt level	4gm/ltr - sea water			
Cell expected life span	10.000 h			
Minimum flow rate	6 m ³ /h	6 m ³ /h	6 m ³ /h	10 m ³ /h
Maximum operating pressure	2.5 Bar			
Bar Pressure Drop	0.025	0.025	0.025	0.030
Current output	2,5 amp	3,5 amp	5 amp	8,5 amp
Cell cassette material	Polycarbonate			
Cell material	Titanium grade 1			
Reversal time	Programmable 1 to 12 h			
Connections	50 mm	50 mm	50 mm	63 mm
Weight	4,5 kg	4,5 kg	5 kg	13 kg
Packaging dimension	600 x 350 x 150 mm		645 x 640 x 220 mm	



- Economical
- Easy installation
- Easy to use

Salt Water Electrolysis

AT-Series Salt Chlorinator Combined Pack

Atecpool Salt Chlorinator combined unit - 3 Packs



AT-Series Wireless Salt Water Chlorinator + pH Wireless Pump

pH Wireless Chlorinator

- Wireless Chlorinator with pH control connect to wireless pH Dosing pump via radio frequency.
- pH electrode connected to wireless chlorinator, shows pH display.
- Easy user interface with backlit LCD.

- Self cleaning cell.
- Wall mounting with independent stainless steel bracket.
- Detachable plug for a faster service.

pH Wireless Pump

- Longe range wireless dosing pump upto 50 mts.
- Peristaltic wireless pump will start and stop functioning depending on the set points assigned from Salt Chlorinator menu.
- Allows installation away from the chlorinator or outside the filtration room to avoid damages by the acid.

- Easy calibration and configuration through the chlorinator LCD.
- Proportional dosage control.
- Flow: 1.5 l/h. Pressure 1.5 bar.
- Manual priming button.



AT-Series Salt Water Chlorinator + pH Basic Controller

pH Basic Controller

- Autonomous pH regulator.
- Integrated peristaltic transparent acid pump 1.5 l/h - 1.5 bar.

- Interchangeable peristaltic head without screws.
- Agile menu system and easy calibration.
- pH range: 0 - 14.

Elements included

- Control panel with peristaltic pump.
- pH probe.
- Acid aspiration tube.
- Acid injection tube.
- Suction filter with weight.

- Injection fitting.
- Probe holder.
- Collars (2) for 50 mm tube.
- pH4 and pH7 buffer solutions.

Technical Features

- Power supply 230 VAC 50-60 Hz.
- Power consumption 20 W.

- Packaging weight 1 Kg.
- Packaging dimensions 22x13x10 cm.



AT-Series Salt Water Chlorinator + pH Redox Controller

pH Redox Controller

- Autonomous pH and ORP regulator.
- pH range: 0 - 14.
- ORP range: 0 - 1000 mV
- ORP measurement of 0 to 1,000 mV.

- Integrated peristaltic transparent acid pump 1.5 l/h - 1.5 bar.
- Interchangeable peristaltic head without screws.
- Agile menu system and easy calibration.

Elements included

- Control panel with peristaltic pump.
- pH probe.
- ORP probe.

- Acid suction tube.
- Acid injection tube.
- Suction filter with weight.
- Injection fitting.

- Probe holder (2).
- Collars (3) for 50 mm tube.
- pH4 and pH7 buffer solutions.
- Redox buffer solution.

Technical Features

- Power supply 230 VAC 50-60 Hz.
- Power consumption 20 W.

- Packaging weight 1 Kg.
- Packaging dimensions 22x13x10 cm.

Salt Water Electrolysis

ATSG - Series Salt Chlorinators

ATSGE - Series Salt Chlorinator

Atecpool domestic salt chlorinators are the best disinfection solution for small, medium size pools and spas. These saline chlorinators ensure total water disinfection and an optimal chlorine supply for each water installation. Choose the model of domestic saline chlorinator that best suits the characteristics of your pool.



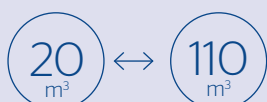
Code	Description
ATSGE10	ATSGE Salt Chlorinator 10g/h
ATSGE15	ATSGE Salt Chlorinator 15g/h
ATSGE20	ATSGE Salt Chlorinator 20g/h
ATSGE30	ATSGE Salt Chlorinator 30g/h

Specifications

- Adjustable chlorine output
- Winter chlorination mode
- High & low salt indicators & protection
- Green light indicate cell working



Model	ATSGE10	ATSGE15	ATSGE20	ATSGE30
Description				
Power requirement / Watts	220-240VAC / 80 Watts	220-240VAC / 100 Watts	220-240VAC / 120 Watts	220-240VAC / 190 Watts
Chlorine production per hour	10 gr/h	15 gr/h	20 gr/h	30 gr/h
Recommended volume	20-40 m ³	40-60 m ³	60-75 m ³	75-110 m ³
Recommended salt level	3gm/ltr ~ 4gm/ltr			
Cell expected life span	8.000 h			
Minimum flow rate	4 m ³ /h	6 m ³ /h	6 m ³ /h	6 m ³ /h
Maximum operating pressure	2.5 Bar			
Bar Pressure Drop	0.025 Bar			
Cell cassette material	Polycarbonate			
Cell material	Titanium grade 1			
Reversal time	Programmable 1 to 12 h			
Connections (inches / mm)	2" / 50mm	2" / 50mm	2" / 50mm	2" / 50mm
Weight (unit only)	6.87 kg	6.87 kg	6.87 kg	6.87 kg
Packaging dimension	400 x 270 x 330 mm			



- Economical
- Easy installation
- Easy to use

Salt Water Electrolysis

ATSG - Series Salt Chlorinators

ATSGP - Series Salt Chlorinator

ATSGP - Series ATECPool 3rd-gen Control Module is a medium-size die-cast aluminum and moulded-plastic box with a backlit alpha-numeric OLED (Organic Light Emitting Diode) screen and touch-sensitive keypad. It mounts on the wall by hanging the chlorinator controller. The digital display screen shows the chosen percentage of chlorine output and power bar-graph. The keypad controls allow you to raise and lower the chlorine output, view the system menu, activate the SuperCL mode, activate the Winter Mode, and display the average salinity.

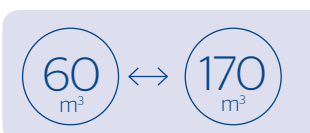
Specifications

- Adjustable chlorine output
- Winter chlorination mode
- Self cleaning by reverse polarity
- Type: Digital Controls with OLED Screen and Touch Keypad



Code	Description
ATSGP20	Atecpool Salt Chlorinator 20g/h
ATSGP30	Atecpool Salt Chlorinator 30g/h
ATSGP40	Atecpool Salt Chlorinator 40g/h
ATSGP50	Atecpool Salt Chlorinator 50g/h

Model	ATSGP20	ATSGP30	ATSGP40	ATSGP50
Description				
Power requirement / Watts	220-240VAC / 120 Watts	220-240VAC / 180 Watts	220-240VAC / 220 Watts	220-240VAC / 250 Watts
Chlorine production per hour	20 gr/h	30 gr/h	40 gr/h	50 gr/h
Recommended volume	60-80 m ³	80-120 m ³	120-140 m ³	140-170 m ³
Recommended salt level	3gm/ltr - 4.5gm/ltr			
Cell expected life span	8.000 h			
Minimum flow rate	4 m ³ /h	6 m ³ /h	6 m ³ /h	7 m ³ /h
Maximum operating pressure	2.5 Bar			
Bar Pressure Drop	0.025			
Cell cassette material	Polycarbonate			
Cell material	Titanium grade 1			
Reversal time	Programmable 1 to 12 h			
Connections (inches/mm)	2.5" / 63mm	2.5" / 63mm	2.5" / 63mm	2.5" / 63mm
Weight (unit only)	10,5 kg	10,5 kg	10,5 kg	10,5 kg
Packaging dimension	400 x 240 x 370 mm			



- Economical
- Easy installation
- Easy to use



Atecpool pH Measuring and Control Unit

pH Control and Dosing

Atecpool pH Basic

The Atecpool pH Basic system allows you to measure the pH of the pool and correct it by injecting acid using a metering pump. It is composed of a control unit that measures pH and contains the control software and an integrated acid metering pump. To take into account the delay in measurement and avoid excessive dosing, the pump got alternate periods of pause and run of 100 seconds when you have to inject acid. All control and measurement functions are performed on the controller and are configured using an LCD screen, a 4-key keyboard and a simple menu system.



ATEC-PH001

Specifications

- Peristaltic pump head easy to disassemble and replace.
- Stand by: alarm display due to no flow in probe-holder.
- Included: Dosing Pump 1,5l/h @ 1.5 Bar w/ pH Electrode, Probe Holder, Calibration Solution for pH and Fixing Brackets.
- Connection and installation kit.
- Dimensions: 218 x 125 x 95 mm.
- Input: 100-220 VAC +10%.
- Power 5 W.

Code	Description
ATEC-PH001	Ph Basic Dosing Pump 1,5l/h @ 1.5 Bar

Atecpool pH Delta



Specifications

- Digital screen, precise dosing with micro controller technology, time adjustment, liquid level control and user password parameters.
- User friendly button technology with easy menu.
- pH measurement with standard combination electrodes
- Totally digital and automatic calibration by using buffer solutions
- Start-up Delay function, adjustable timer for correct reading measurements according to chemical reaction time (0-60 min.).
- 4-20mA analog input
- Suction, injection parts and liquid level sensor accessories included.
- Volumetric proportional control when connected to flowmeters (water meter, flowmeter, etc.) (Volumetric control cable is not included product package)
- Adjustable BNC input (optional liquid level or flow contact)
- Easy and flexible installation and usage by the vertical mount design and alternative mounting advantage by base fixing bracket.
- Flow calibration can be done and monitored on the screen as ml/h.

Code	Description
ATEC-DT45	pH Delta Dosing Pump 4,5l/h @ 0.5 Bar
ATEC-DT25	pH Delta Dosing Pump 2,5l/h @ 3 Bar

Accessories included with Atecpool pH Delta: (No pH Electrode/Probe Holder included)



Suction Kit with
Liquid Level Sensor



PDVF Suction
and Injection Kit



Injection Kit



Pipe Kit

Atecpool Commercial Salt Chlorinator

Selection guide

Commercial Pool Salt Chlorinator Selection Guide

Follow the below table to ensure a proper performance of Commercial Salt Chlorinators in public swimming pools.



Water volume >	100m³	200m³	400m³	500m³	750m³	1000m³	1500m³
Bathers per day							
50	ATEC75PR ATEC50PR	ATEC100PR ATEC75PR	ATEC150PR ATEC150PR	ATEC150PR ATEC150PR	ATEC250CM ATEC250CM	ATEC300CM ATEC300CM	ATEC500CM ATEC500CM
100	ATEC100PR ATEC75PR	ATEC150PR ATEC100PR	ATEC150PR ATEC100PR	ATEC250CM ATEC180PR	ATEC300CM ATEC250CM		
200	ATEC150PR ATEC100PR	ATEC250CM ATEC180PR	ATEC250CM ATEC180PR	ATEC300CM ATEC250CM	ATEC500CM ATEC300CM	ATEC500CM ATEC500CM	ATEC750CM ATEC500CM
300			ATEC300CM ATEC180PR		ATEC500CM ATEC300CM		
400				ATEC500CM ATEC250CM			
500						ATEC750CM ATEC500CM	ATEC1000CM ATEC500CM

Note:

* Recommended model for 24h filtration

* Recommended model for 12h filtration

Calculation parameters

Extra parameters for detailed selection calculation of salt chlorinators. like added features, sea side pool, indoor/heated/ outdoor pool, sea water pool or well water pool etc to communicate with customer service for right unit selection apart from the above selection guide.

Salt Water Electrolysis

Atecpool Premium Salt Chlorinator

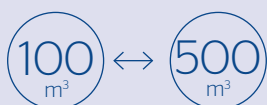
Premium Salt Water Chlorinator



Specifications

- High performance electrochlorinators for intensive commercial application (residential & hotel pools).
- Waterproof high power performance switch modes, without forced ventilation.
- Electronics inside 316 stainless steel insulated cabinet, without air external ventilation, highly resistant to corrosive atmospheres. IP-65.
- Electronic current control.
- Fully programmable electronics with an accessible operation registry.
- Low maintenance self-cleaning cell easily accessible.
- New easy user interface with backlit LCD display.
- Extended salinity range: 500 - 35.000 ppm (sea water).
- Methacrylate electrodes cassette to ease inspection.
- Self cleaning cell easily accessible and of a low maintenance.
- Expected electrode life: 14.000 hours.
- Flow switch.

Model	ATEC75PR	ATEC100PR	ATEC150PR	ATEC180PR
Description				
Power requirements / Watts	220-240 VAC / 400 Watts	220-240 VAC / 500 Watts	220-240 VAC / 725 Watts	220-240 VAC / 750 Watts
Voltage output	24 VDC	24 VDC	24 VDC	24 VDC
Chlorine production per hour (5g/l salt)	75 gr/h	100 gr/h	150gr/h	180gr/h
Cell expected life span	14.000 h			
Minimum flow	10 m³/h	10 m³/h	10 m³/h	10 m³/h
Connections	63 mm	63 mm	63 mm	63 mm
Weight	15 kg	20 kg	25 kg	28.5 kg
Pallet Packaging dimensions	790 x 650 x 410 mm			



- High Performance
- Easy installation
- Easy to use

Salt Water Electrolysis

Atecpool Commercial Salt Chlorinator

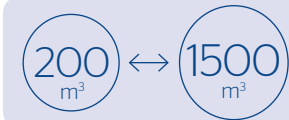
Commercial Salt Water Chlorinator



Specifications

- High performance electrochlorinators for intensive commercial application and high capacity (public installations).
- Waterproof high power performance switch modes, without forced ventilation.
- Electronics in 316 stainless steel insulated cabinet without air external ventilation, highly resistant to corrosive atmospheres. IP-65.
- Electronic current control.
- Temperature and waterflow control.
- Prepared for industrial control by CAN or Profibus.
- Extended salinity range: 500 - 35.000 ppm (sea water).
- Compact mounting design with integrated cell & housing.
- Methacrylate electrodes cassette to ease inspection.
- Low maintenance reverse polarity cell easily accessible.
- Electrodes of a low current density and long life: 14.000 hours.
- Flow switch.

Model	ATEC250CM	ATEC300CM	ATEC500CM	ATEC750CM	ATEC1000CM
Description					
Power requirements / Watts	230 VAC / 1.350 Watts	230 VAC / 1.625 Watts	230 VAC / 2.540 Watts	230 VAC / 3.540 Watts	230 VAC / 4.440 Watts
Voltage output	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC
Chlorine production por hour (5g/l salt)	250 gr/h	300 gr/h	500gr/h	750gr/h	1000gr/h
Cell expected life span	14.000 h				
Minimum flow	15 m³/h	15 m³/h	30 m³/h	45 m³/h	60 m³/h
Connections	63 mm	63 mm	75 mm	90 mm	110 mm
Weight	75 kg	80 kg	100 kg	125 kg	150 kg
Packaging dimension	900 x 605 x 1155 mm		1150 x 610 x 1155 mm	1185 x 985 x 1130 mm	



- High Performance
- Easy installation
- Easy to use





Atecpool SalChloro Generator

On-site CL Production

In situ chlorine production by
saltwater chlorination



**Atecpool
SalChloro**

The cost-saving, powerful
and tailor-made chlorine generator

Atecpool SalChloro Generator

On-site CL Production

Atecpool SalChloro Generator

SC17AT Model



SC35AT Model



SC70AT Model



Atecpool SalChloro Generator includes

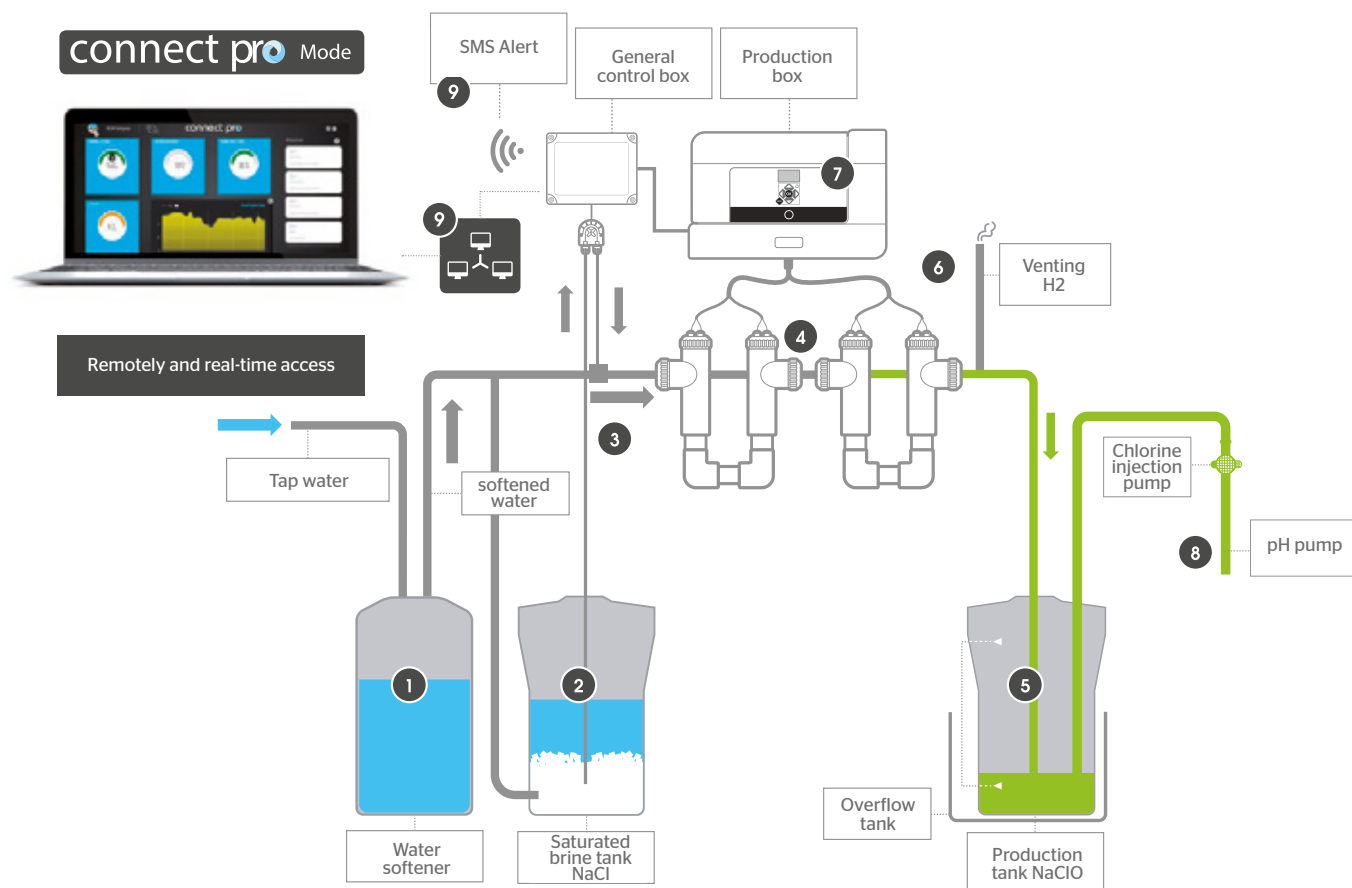
- 1 Control and Production Box**
Easy to use: The BOOST mode allows to launch an automatic filling program in a natural way or with predefined timetables.
Convenient: LED status indicator allows to check quickly the facility operating properly (SC35AT and SC70AT).
- 2 Production Cells**
Cell lifespan: Long Cell lifespan: cell lifespan is estimated at 10.000 operating hours.
Cell maintenance warning: after 1000 operating hours, an integrated lamp timer triggers a written message to check plates condition.
- 3 Softener**
High filtration capacity: less frequent regeneration due to a higher resin volume.
- 4 Saturated brine tank**
Ease of maintenance: wide box opening to add easily and quickly the maximum salt level.
High storage capacity: to add salt level punctually.
- 5 Storage Tank**
UV-treated tank: preserving pure and fresh chlorine..
Free-moving suction: allows hypochlorite suction.
Level probe: allows to avoid the dosing pump deactivation.
Overflow sensor: in case of chlorine overproduction, the sensor automatically switches off the system.
Effective maintenance: removable level sensors to facilitate its maintenance or replacement.
- 6 Pump**
Consumption optimization: pump injects automatically the perfect brine volume in production cells.
- 7 Hydrogen Exhaust System**
H2 alarm: if an anomaly is detected, a safety mode is triggered and automatically switches off the production of chlorine.
- 8 Connectivity**
Real-time remote control: Thanks to a SIM card inserted in the system, managers (pool directors, maintenance technicians, hotel managers, etc.) receive real time news and alerts by SMS.
Remote management: connect pro: Thanks to a simple local network connection, you remotely and real-time centralized information on water quality. Thus, by checking pool parameters on Connect Pro, you significantly reduce your moves

Atecpool SalChloro Generator

On-site CL Production

Atecpool SalChloro - Operating Principle

This solution is an alternative to the use of conditioned chlorine. Packaged chlorine is mainly available in gaseous, liquid or solid form.



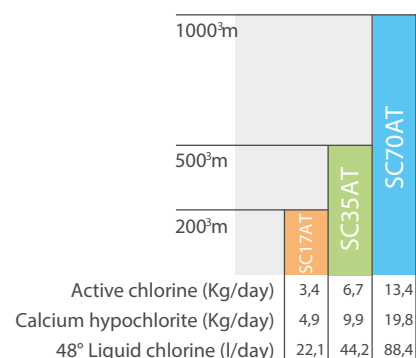
- 1** A softener feeds the installation with softened water.
- 2** Saturated brine is obtained on site from softened water and salt.
- 3** The brine is injected into the softened water stream before the production cell lines.
- 4** Softened water and salt are converted into a solution of sodium hypochlorite (NaClO) according to saltwater chlorination process.
- 5** The solution of sodium hypochlorite is poured, by gravity, into a storage tank equipped with level detectors. The production is triggered or stopped automatically depending on the position of the level detectors in order to constantly maintain the required stock of solution. The tank capacity varies depending on the model.
- 6** The hydrogen produced is evacuated to the outside by a degassing chimney.
- 7** The control box independently manages the production of sodium hypochlorite (NaClO). It allows to maintain a constant supply of solution in order to guarantee, in all circumstances, the ideal chlorine level in the basin.
- 8** The supply of the chlorinated solution tank is controlled by automatic chlorine regulation (optional). The injection is done by a large flow metering pump.
- 9** SMS Alerts/Remote fleet management

Atecpool SalChloro Generator

Chlorine Generator for public and commercial pools

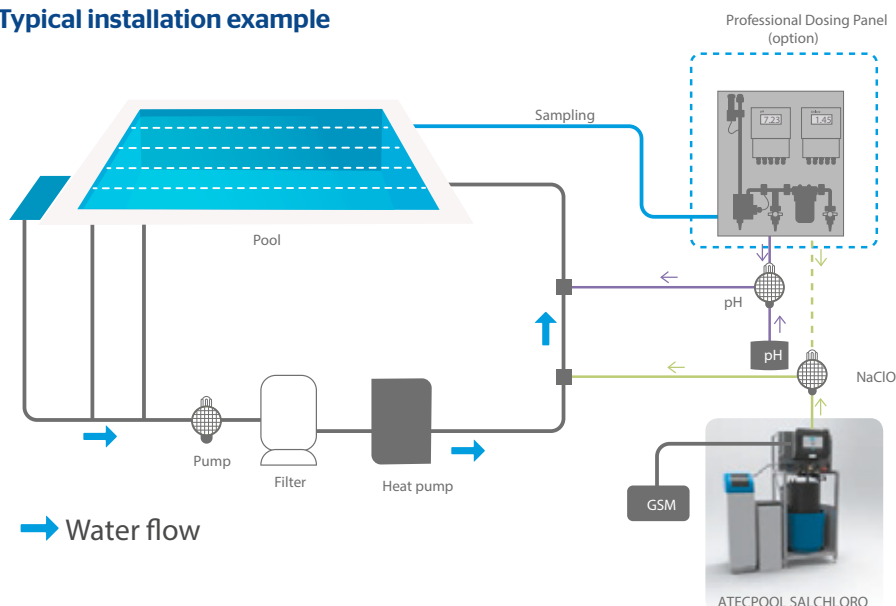
Model	SC17AT	SC35AT	SC70AT
CHLORINE PRODUCTION			
Maximum chlorine solution production capacity (liter / h). Active chlorine concentration of the solution: 8 g / liter	17,5	35	70
Chlorine production capacity (g/h)	140	280	560
Maximum production per day (Kg/day)	3,4	6,7	13,4
Equivalent Calcium Hypochlorite 68% (Kg/day)	4,9	9,9	19,8
Liquid chlorine equivalent 48° chlorine (Liter / day).	22,1	44,2	88,4
CONSUMPTION			
Certified biocidal salt (kg/kg chlorine)		3,125	
Softened water (liter/kg of chlorine)		125	
Electricity (Kwh/kg of chlorine)		2,8	
TECHNICAL FEATURES			
Power supply		220 - 240 VAC Mono	
Electrode quantity	2	4	8
Electrode lifespan		10.000 hs	
Electrode supply		12 V	
Power generation	2x20A	4x20A	8x20A
PRODUCTION - STORAGE			
Water softener, resin volume (l)	10	10	10
Brine tank capacity (l)	100	200	200
Production tank volume (l)	60	125	250
Alarms	low water, low salt, temperature, no flow, electromagnetic valve, production, sensor, overflow, hydrogen and ventilation		
Modes	Manual BOOST, Scheduled BOOST		
Communication	SMS alerts, Connect Pro		

Selection chart:



This correspondence table is for reference only. Various parameters are taken into account for model selection in line with pool basin. Contact customer service for detailed selection of Atecpool SalChloro Generator.

Typical installation example



Automatic Chemical Regulation and Control

PR-007 & PR-009

Integrated Pre-Assembled Panels for Automation



PR007 and PR009 Series Control Panels

Automatic Dosing System for measuring pH, ORP, Free CL (PPM). Fully assembled probe holder panel with pre-filter.

Intelligent Dosing function.

ISO 9001: 2015



Automatic Chemical Regulation and Control

Integrated Pre-Assembled Panels for Automation

Automatic Chemical Regulation Specifications

- pH / Cl control able to handle 1 digital output (suitable to water meter impulses), 2 relay outputs, and 2 (4-20 mA) outputs.
- "Pump Stop" safety system.
- Electronic dosing control.
- Probe holder panel with pre-filter, inductive low detector and flow regulator.
- Cl (ppm) monitoring by potentiostatic membrane ION selective probe (PRO07MC Panel) and amperometric cell with Cu electrode (PR-007 Panel).
- "Intelligent Dosing" function.

PR-007 Panel (CLC2 Amperometric CL Cell)

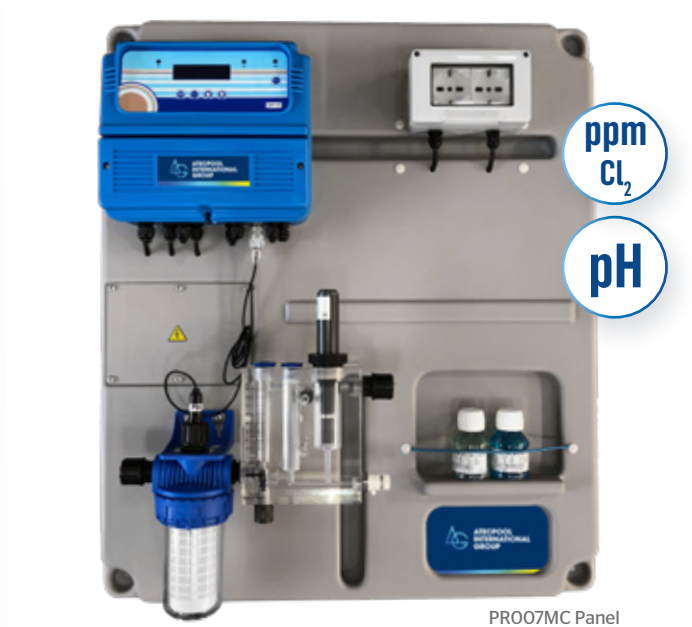


PR-007 Panel

PR-007 Panel for Automation

Model	PR-007
Description	Panel Assembly with CLC2
Input voltage	230 Vac, 50/60 Hz.
Readings	pH / Cl ₂ (ppm)
Control output	pH, ORP, Cl: 1x0.5A ac max/230V + 1x15Vdc 8W +1x Amperometric CL Cell Control input product level, potential-free, CLC ₂ sensor.
Range Cl ₂ (ppm):	0.0 - 2.0 ppm
Range pH	6 - 8
Pressure	1 BAR
Flow rate	30 - 40 L/h
Cl Electrode	Copper / Platinum
Temperature	5 - 40°C

PRO07MC Panel (CLS2-1H Membrane ION Selective CL Cell)



PRO07MC Panel

PRO07MC Panel for Automation

Model	PRO07MC
Description	Panel Assembly with CLS2-1H
Input voltage	230 Vac, 50/60 Hz.
Readings	pH / Cl ₂ (ppm)
Control output	pH, ORP, Cl: 1x0.5A ac max/230V + 1x15Vdc 8W +1x potential-free inductive sensor
Range Cl ₂ (ppm):	0.0 - 2.0 ppm
Range pH	6 - 8
Pressure	1 BAR
Flow rate	30 - 40 L/h
Cl Electrode	Membrane ION Selective Sensor CLS2-1H
Temperature	5 - 40°C

Automatic Chemical Regulation and Control

Integrated Pre-Assembled Panels for Automation

Automatic Chemical Regulation and Control Specifications

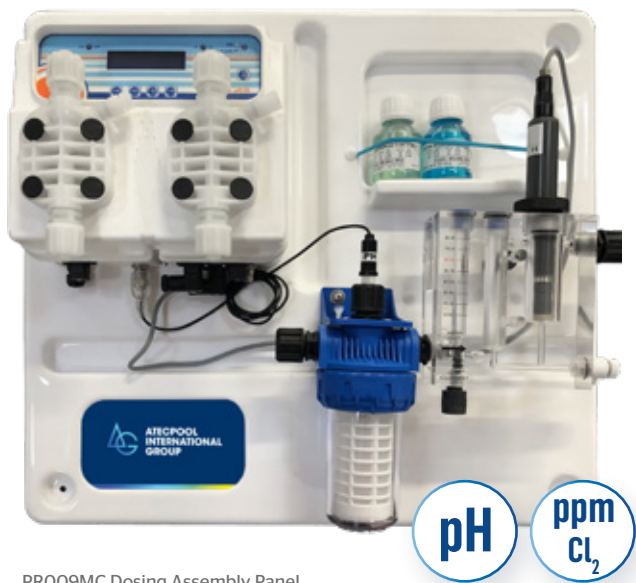
- Dual Dosing Panel PH/Chlorine dosing system with built in controller with PPM display.
- 3 operating modes: constant, ON / OFF, proportional.
- Electronic dosing control.
- Probe holder panel with pre-filter, inductive low detector and flow regulator.
- Cl (ppm) monitoring by potentiostatic membrane ION selective probe (PR009MC Panel) and amperometric cell with Cu electrode (PR-009 Panel).
- “Intelligent Dosing” function.

PR-009 Panel (CLC2 Amperometric CL Cell)



PR-009 Dosing Assembly Panel

PR009MC Panel (CLS2-1H Membrane ION Selective CL Cell)



PR009MC Dosing Assembly Panel

PR-009 Dosing Assembly Panel

Model	PR-009
Description	Dosing Panel with CLC2
Input voltage	230 Vac, 50/60 Hz.
Pump Head	PVDF fittings 1/2"
Readings	pH / Cl ₂ (ppm)
Control output	pH, Cl: 1x0.5A ac max/230v + 1x15Vdc 8W +1x Amperometric CL Cell
Control input	product level. potential-free, CLC ₂ sensor.
Range Cl ₂ (ppm)	0.20 - 2.0 ppm
Range pH	6 - 8
Pressure	1 BAR
Flow rate	30 - 40 l/h
Cl electrode	Copper / Platinum
Temperature	5 - 40°C

PR009MC Dosing Assembly Panel

Model	PR009MC
Description	Dosing Panel with CLS2-1H
Input voltage	230 Vac, 50/60 Hz.
Pump Head	PVDF fittings 1/2"
Readings	pH / Cl ₂ (ppm)
Control output	pH, ORP, Cl: 1x0.5A ac max/230v + 1x15Vdc 8W +1x potential-free inductive sensor
Control input	product level. potential-free, inductive sensor-low detector
Range Cl ₂ (ppm)	0.0 - 2.0 ppm
Range pH	6 - 8
Pressure	1 BAR
Flow rate	30 - 40 l/h
Cl electrode	Membrane ION Selective Sensor CLS2-1H
Temperature	5-40°C

Specifications

Standard	Pressure	Max	Max	Stroke	Solenoid	Weight	Pump head	VA	Pulses
	Bar	l/h	cc / imp			kg			
Chlorine pump	7	5	1.11	1.3	Ø80	8	PVDF	50	150
pH Pump	7	5	0.55	1.1	Ø80	8	PVDF	50	150

Automatic Chemical Regulation and Control

pH & ORP Measurement and Controlling Device

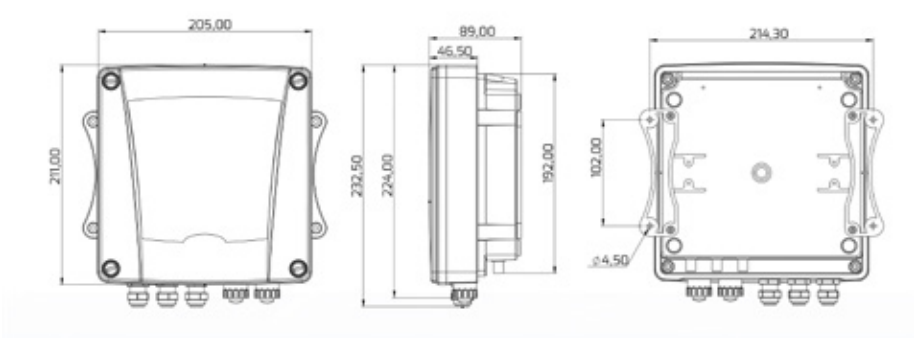
Tetra Controller for pH & ORP



Specifications

- Digital pH (0,00 - 14,00)
- ORP (0 - 1600mV) measurement and control device
- Two relay outputs.
- Only Display Controller without pH or RX electrodes/holders.
- Completely digital adjustment and automatic calibration by using buffer solutions.
- High resistance with IP 65 plastic body to corrosive chemicals.
- Two liquid level control input.

Code	Model	Description
pHRX002	Tetra Controller pH & ORP	pH& ORP measurements and controlling device



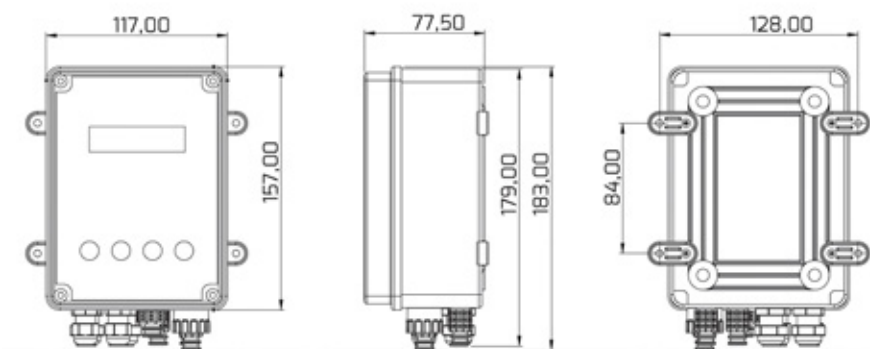
Aquameter Controller for pH or ORP



Specifications

- Single parameter measuring and control device.
- Digital pH (0,00 - 14,00)
- ORP (0 - 1600mV), measurement and control device.
- Only Display Controller without pH or RX electrodes/holders.
- High resistance with IP 65 plastic body to corrosive chemicals.
- Analog control outputs(0-10mA ,0-20mA , 4-20mA , 0-5V, 0-10V 2-10V)
- Up-down controlling buttons, user password , LCD screen with backlight.
- Programmable alarm output.
- Proportional control.

Code	Model	Description
pH003	AQUAMETER pH	pH measurement and controlling device
RX005	AQUAMETER ORP	Redox measurement and controlling device



Automatic Chemical Regulation and Control

pH/ORP Liquid Level Controlled Digital Dosing Pump

pH / ORP Microprocessor in-built Digital Dosing Pump



Specifications

- Digital screen, precise dosing with micro controller technology, time adjustment, liquid level control and user password parameters
- Only Digital Dosing Pump without pH or RX electrodes/holders.
- ORP (REDOX) or pH measurement with standard combination electrodes
- Totally digital and automatic calibration by using buffer solutions
- Start-up Delay function, adjustable timer for correct reading measurements according to chemical reaction time (0-60 min.)
- 4-20mA analog input
- Volumetric proportional control when connected to flowmeters (water meter, flowmeter, etc.)(Volumetric control cable is not included product package)
- Adjustable BNC input (optional liquid level or flow contact)
- Easy and flexible installation and usage by the vertical mount design
- High resistance to corrosive chemicals with the PVDF Pump
- Head and entire IP65 body Electronic circuit controlled electromagnet and long lasting Teflon(PTFE) diaphragm
- Suction, injection parts and liquid level sensor accessories included

Code	Model	L/h	Bar
620-570	ATEC-phRX 5L/7B	5	7
620-580	ATEC-phRX 10L/5B	10	5
620-590	ATEC-phRX 2L/20B	2	20

pH / RX Microprocessor in-built Digital Dosing Pump



Specifications

- Only Digital Dosing Pump without pH or RX electrodes/holders.
- 95- 260 VAC working range and solenoid driven technology that can do automatic adaptation accordingly to voltage.
- Less maintenance by Zirconium Ball and Long-Life Teflon (PTFE) diaphragm.
- Proportional working by Ph or Orp measurement, Sensor calibration
- Controlled operation with analog input 4-20 mA/ 20-4 mA/ 0-20 mA/ 20-0 mA
- mA Able to work with volumetric ppm operating system,
- Capacity calibration, Operation limiting function, Knock feedback adjustment
- Alarm notification and alarm output, ModBus RTU (RS485) communication input

Code	Model	L/h	Bar
630-110	ATEC-phRX 10L/10B	10	10
630-255	ATEC-phRX 25L/5B	25	5

Accessories included with the dosing pumps

Standard Accessories



Suction Kit with Liquid Level Sensor



PVDF Suction and Injection Kit



Injection Kit



Pipe Kit



Base fixing bracket (supplied with 630 models only)

Solenoid Driven Dosing Pumps

Manual Dosing Pumps

Analogue Liquid Level Controlled & 1/10 Adjusted Dosing Pump



Specifications

- Adjustable stroke rate via the potentiometer on the device.
- Liquid level control and 1/10 adjustable button.**
- Easy and flexible installation by vertical mounting design.
- High resistance to corrosive chemicals with the PVDF Pump Head and the entire IP65 body.
- Electronic circuit controlled electromagnet and long lasting Teflon (PTFE) diaphragm.
- Less maintenance with ceramic ball design.
- Suction and injection parts included.
- Wall mounting housing, includes a support bracket for easy quick mounting.

Code	Model	Description	Frequency
210 402	ATEC - APS 2L / 10LB	2 Ltr / 10 Bar Level Controlled & 1 / 10 Adjustable Analogue Dosing Pump	120 imp / min
210 405	ATEC - APS 5L / 7B	5 Ltr / 7 Bar Level Controlled & 1 / 10 Adjustable Analogue Dosing Pump	120 imp / min
210 410	ATEC - APS 10L / 5B	10 Ltr / 5 Bar Level Controlled & 1 / 10 Adjustable Analogue Dosing Pump	120 imp / min
210 412	ATEC - APS 2L / 20B	2 Ltr / 20 Bar Level Controlled & 1 / 10 Adjustable Analogue Dosing Pump	120 imp / min

Analogue Dosing Pump



Specifications

- Adjustable stroke rate via the potentiometer on the device.
- Easy and flexible installation by vertical mounting design.
- High resistance to corrosive chemicals with the PVDF Pump Head and the entire IP65 body.
- Less maintenance with ceramic ball design.
- Electronic circuit controlled electromagnet and long lasting Teflon (PTFE) diaphragm.
- Suction and injection parts included.
- No Level Control Sensor included.
- Wall mounting housing, includes a support bracket for easy quick mounting.

Code	Model	Description	Frequency
110 302	ATEC - A 2L / 10B	2 Ltr / 10 Bar A- series Analogue Dosing Pump	120 imp / min
110 305	ATEC - A 5L / 7B	5 Ltr / 7 Bar A- series Analogue Dosing Pump	120 imp / min
110 310	ATEC - A 10L / 5B	10 Ltr / 5 Bar A- series Analogue Dosing Pump	120 imp / min
110 312	ATEC - A 2L / 20B	2 Ltr / 20 Bar A- series Analogue Dosing Pump	120 imp / min

Accessories with the dosing pumps

KIT1 STD: Standard Accessories

Dosing Pumps up to 20 l/h. Included with the pump:

- 1 Injection fitting 3/8" PP/ no-return valve FPM
- 2m Discharge hose PE (semi-rigid)
- 2 + 1,5m suction Hose PVC (flexible)
- 1 Filter fitting PP / Foot Valve lip type FPM



Solenoid Driven Dosing Pumps

Manual Dosing Pumps

Analogue Solenoid Driven Dosing Pump- Commercial Pools



Specifications:

- Adjustable stroke rate via the potentiometer
- 95-260 VAC working range and solenoid driven technology that can do automatic adaptation accordingly to line voltage
- Low energy consumption
- Easy and flexible installation and usage by the vertical mount design and alternative mounting advantage by base fixing bracket
- High resistance to corrosive chemicals with the PVDF Pump Head and entire IP65 body
- Electronic circuit controlled electromagnet and long lasting Teflon (PTFE) diaphragm
- Lesser maintenance by ceramic ball design Suction and injection parts included.
- Double Liquid Level Control Input
- 1/10 Adjustment Button

Code	Model	Description	Frequency
510 525	ATEC - PVDF 25L / 5B	25 Ltr / 5 Bar Level Controlled & 1/10 Adjustable Analogue Dosing Pump	160 imp / min
510 530	ATEC - PVDF 30L / 3B	30 Ltr / 3 Bar Level Controlled & 1/10 Adjustable Analogue Dosing Pump	160 imp / min
510 535	ATEC - PVDF 35L / 2B	35 Ltr / 2 Bar Level Controlled & 1/10 Adjustable Analogue Dosing Pump	160 imp / min
510 540	ATEC - PVDF 40L / 1B	40 Ltr / 1 Bar Level Controlled & 1/10 Adjustable Analogue Dosing Pump	160 imp / min

Accessories with the dosing pumps

KIT2 STD: Standard Accessories

Dosing Pumps up to 20 - 80l/h. Included with the pump:

- 1 Injection fitting 1/2" PP/ no-return valve FPM
- 2 + 1,5m Suction Hose PVC (flexible)
- 2m Discharge hose PE (semi-rigid)
- 1 Filter fitting PP / Foot Valve lip type FPM



Peristaltic Analog Dosing Pump



Specifications

- Adjustable Flow Rate
- Rapid Button
- PP- IP 65 Chemical Resistant Body
- On-Off Button
- Long-lasting roller system
- Chemical Discharge Tip
- ph-Chlorine dosing
- Detergent dosing
- Rinsing aid dosing
- Easy mount and dismount via back lid slider

Code	Model	L/h	Max. Counter Press Bar	Description
101-280	ATEC-ASP 5,1L/0,5B	5,1	0,5	5,1 Ltr / 0,5 Bar Peristaltic Analogue Dosing Pump
101-290	ATEC-ASP 2,8L/3B	2,8	3	2,8 Ltr / 3 Bar Peristaltic Analogue Dosing Pump

Accessories included with the different models > Box content Accessories



pH Chlorine:
(pH-CL) model box content



Detergent:
model box content



Rinse Aid:
model box content

Motor Driven Dosing Pumps

Manual Dosing Pumps

MTP Plastic Body Electromechanic Diaphragm Dosing Pump



Specifications

- Ideal solution for dosing high amount of liquid chemicals in precise measure
- Optional Pump head, unions and check valve preference among PP, SS 316 and PVDF materials according to chemical used
- Capacity adjustment from 0%-100% while running or standby
- Ability of capacity adjustment with 4-20 mA signal input motor driver

Code	Model	L/h	Max Pressure	Ø Diaphragm	Stroke / min		Stroke (mm)	kW / \ Voltage	Connections
					50 Hz	60 Hz			
580-505	ATEC-MTP 14L/5B	14	5	66	42	50	4	0.09 / 380V	3/4"
580-507	ATEC-MTP 32L/5B	32	5	66	85	102	4	0.09 / 380V	3/4"
580-509	ATEC-MTP 49L/5B	49	5	66	128	153	4	0.09 / 380V	3/4"

MTM Metal Body Electromechanic Diaphragm Dosing Pump



Specifications

- Ideal solution for dosing high amount of liquid chemicals
- in precise measure
- Optional Pump head, unions and check valve preference among
- PP, SS 316 and PVDF materials according to chemical used
- Capacity adjustment from 0%-100% while running or standby
- Ability of capacity adjustment with 4-20 mA signal input motor driver

Code	Model	L/h	Max Pressure	Ø Diaphragm	Stroke / min		Stroke (mm)	kW / Voltage	Connections
					50 Hz	60 Hz			
590-605	ATEC-MTM 50L/7B	50	7	110	40	48	5	0.25 / 380V	3/4"
590-607	ATEC-MTM 100L/7B	100	7	110	80	96	5	0.25 / 380V	3/4"
590-609	ATEC-MTM 150L/7B	150	7	110	120	145	5	0.25 / 380V	3/4"

Accessories included with these models:



MTP/MTM Connection Kit
PP 9x12mm



Suction and
Injection Kit MTP/MTM 9x12 PP



Pipe Kit 9x12 PE 10M



Suction 4x6 PS and
Injection Kit 4x6 P

Automatic Chemical Regulation and Control Accessories

CLC2 Amperometric Chlorine Cell for measuring Free CL (PPM)

Metacrylate Amperometric chlorine cell, self-cleaning with glass balls measuring organic and inorganic free chlorine 0-10 mg



CLC2

Specifications

- Self-cleaning cell with glass balls
- Range 0÷10 ppm. Electrode Platinum/Copper in vertical position to avoid bubbles
- Flow adjustment: 40÷50 l/h or by visual adjustment (to be steady and continuous)
- Max pressure 5 bar - Max temperature 5÷60°C
- In-coming water flow adjustment
- Range 0÷10 ppm
- Max temperature 5÷60°C
- Flow rate 40÷50 l/h
- Temperature probe on request

Code	Description
CLC2	Amperometric Chlorine Cell PPM CLC2

Cleaning KIT for CLC2 Amperometric Cell

Solution for good maintenance of CLC2



MAINT-KIT



ATECPOOL suggest a simple solution for maintenance for the oxidation of platinum and copper electrodes, especially if in contact with substances which quickly deteriorate the electrodes thus interfering with measurements and optimal functioning. The operator, must simply let the peristaltic inject acid for 2/3 minutes (commercial HCL around 10% concentration) or at least a simple detergent. This until copper electrode is restored to natural colour.

Code	Description
MAINT-KIT	Cleaning Kit for CLC2 Cell

CLS2-1H Membrane ION Selective Sensor for measuring Free CL (PPM)

Membrane ion selective amperometric 3 electrodes system, integrated electronics for measuring Free Chlorine, compatible with Surfactants, Tensides, Isocyanuratic, Flocculants. ClO_2 is measured at 100%



CLS2-1H

Code	Description
CLS2-1H	Membrane ION Selective Sensor PPM CLS2-1H
CLS2-1H	
Description	
Indicator	Total Chlorine = free chlorine + combined chlorine
Measuring Method	Membrane ion selective amperometric 3 electrodes system, Integrated electronics
Suitable Chlorinating Agents	NaOCl (sodium hypochlorite); Ca (OCl) ₂ (calcium hypochlorite); chlorine gas; Electrolytically generated chlorine
Interference Parameters	ClO ₂ measured at 100% / O ₃ measured with slope approx.130%(factor 1,3 to Cl slope)
Range	0.005 ... 2 ppm (mg/l) free chlorine
Resolution	0.001 ppm (mg/l)
Signal (nominal slope)	-1000 mV/ppm
Power supply	±5 to ±12.5 Vdc / 10 - 25 Vdc 25mA
Output signal	Analog voltage output 0 ... 2000 mV/Output resistance 1 KΩ /NO galvanic isolation
Operating temperature:	> 5 ... < 45°C, automatic compensation by integrated resistor
pH range	pH 4÷pH 12 (low pH dependency, linear decrease approx.5% per unit increase pH)
Flow rate / Pressure	Approximately 30 l/h / 0.5 bar, no sudden pressure, impulses and/or fluctuations
Run-in time / Response	First start-up approx. 2 hours / T90 approx.2 min
Slope adjustment	Reference method DPD4 (DPD1+DPD3); Zero point calibration NOT necessary
Connection	4 poles screwable plug (NOT provided with cable, see cable for CLS sensors)
Material	Microporous hydrophilic membrane; PVC-U body; S.S 1.4571 electro polished
Dimensions	Diameter approx 25 mm / Length (analog sensor) approximately 175 mm

Automatic Chemical Regulation and Control Accessories

EPH / ERX Electrodes for measuring pH and RX



EPH5 ERX5

pH / RX Sensor Electrode		EPH5 / ERX5
Description		
Applications	Swimming pools, Water treatment, Process industry, Laboratory	
Characteristics	Maintenance free sensors for measuring pH and RX (ORP) value	
Measuring Method	Combination electrode, Potential against reference electrolyte gel	
Construction	Plastic shaft, 1 diaphragm, Maintenance free gel electrolyte	
Reference system	Double junction reference	
Storage	Recommended storage solution KCL3 (inquire for it)	
Electrical connector	Head with fixed coaxial cable D/3 mm (length 1m or 5 m) + BNC	
Remarks	Suitable for most pH and RX (ORP) controllers	
Shaft length	120 mm	
Code	EPH5	ERX5
Range	pH 0..14	-1000... +1000 mV
Membrane / Diaphragm	Glass / membrane Resistance low / Ceramic	Platinum wire
Zero-Point / Sensitivity	0 ± 20mV/Sensitivity 57.59 mV pH at 25°C	-
Temperature/Isothermic	0..60 °C / Isothermic Point 0 +/- 50 mV	0..60 °C
Pressure	4 bar	4 bar

Electrode Module for pH and RX / Sensor Holders



ECELL1

ECELL3

Electrode and Sensor Holders

The electrode cell module is designed for hosting the following electrodes in use:

- pH and RX electrodes; Temperature sensors PT100; Dissolved Oxygen SENS OXY

Code	Description
ECELL1	Single Electrode Module for pH / RX
ECELL2	Two Electrode Module for pH and RX
ECELL3	Three Electrode Module for pH, RX and others

Membrane Ion Selective Sensors Module



CLS1

Membrane Ion Selective Sensor Holder

This module is a sensor holder designed for hosting the standard Membrane Ion Selective sensor in use.

- Free and Total Chlorine, Hydrogen Peroxide, Chlorine Dioxide and others

Code	Description
CLS1	Single Membrane Ion Selective Holder

Accessories with the dosing pumps



KIT1

KIT1 STD: Standard Accessories

Dosing Pumps up to 1÷20 l/h. Included with the pump:

- 1 Injection fitting 3/8" PP/ no-return valve FPM
- 2m Discharge hose PE (semi-rigid)
- 2+1,5m Suction Hose PVC (flexible)
- 1 Filter fitting PP / Foot Valve lip type FPM

Code	Description
KIT1	STD Accessories KIT1



KIT2

KIT2 STD: Standard Accessories

Dosing Pumps up to 30÷50÷80 l/h. Included with the pump:

- 1 Injection fitting 1/2" PP/ no-return valve FPM
- 2m Discharge hose PE (semi-rigid) 10 x 14mm
- 2 + 1,5m Suction Hose PVC (flexible) 10 x 14mm
- 1 Filter fitting PP / Foot Valve lip type FPM

Code	Description
KIT2	STD Accessories KIT2

Automatic Chemical Regulation and Control Accessories

Electrodes Buffer Solutions



Code	Description
SOL PH4	Buffer Solution pH4, Bottle of 75ml
SOL PH7	Buffer Solution pH7, Bottle of 75ml
SOL PH9	Buffer Solution pH9, Bottle of 75ml
SOL RX468	Buffer Solution 468mV, Bottle of 75ml
SOL RX650	Buffer Solution 650mV, Bottle of 75ml

Chemical Tanks



Specifications

- High resistance for acids and other chemicals with polyethylene body
- Rivetless, monoblock structure
- UV stabilized, no effect from sunlight, no bacteria cultivation material and technology.

Code	Model	Body Ø
D-TANK100	Atecpool Chemical Tank for Dosing PE body 100 ltr	470
D-TANK200	Atecpool Chemical Tank for Dosing PE body 200 ltr	610
D-TANK600	Atecpool Chemical Tank for Dosing PE body 620 ltr	830
D-TANK1040	Atecpool Chemical Tank for Dosing PE body 1040 ltr	1005

Mixers for Dosing Tanks

Manual Mixer

Manual mixers for medium tanks up to 200 ltr, PVC shaft and propeller.



MIX-MAN60

Code	Shaft Length (mm)
MIX-MAN60	600
MIX-MAN80	800

Electrical Mixer 1400 rpm / High Speed Mixer

Electrical fast mixers, 1400 rpm. Direct motor driven. Fan and mixer shaft PVC material, shaft length 75 cm. Three bladed, fan diameter 9 cm.



MIX/FE 3-6

Code	Shaft Length (mm)	Power Supply	Motor Power / rpm
MIX/FE 3-6	750	380V - 3 phase - 50Hz	0,18kW / 1400 rpm
MIX/FE 1-6	750	230V - 1 phase - 50Hz	0,18kW / 1400 rpm

Electrical Mixer 75 rpm / Low Speed Mixer

Electrical slow mixers, 75 rpm. Gear driven. Fan and mixer shaft PVC material, shaft length 75 cm. Two bladed, fan diameter 21 cm.



MIX/FMV 3-6

Code	Shaft Length (mm)	Power Supply	Motor Power / rpm
MIX/FMV 3-6	750	380V - 3 phase - 50Hz	0,18kW / 75 rpm
MIX/FMV 3-8	750	230V - 1 phase - 50Hz	0,18kW / 75 rpm

UV Disinfection

Ultraviolet Solutions



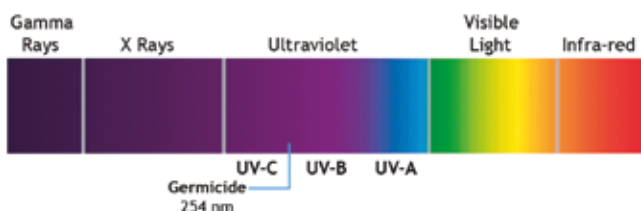
ATEC UV-40

For a cleaner, healthier pool environment

- Neutralise the micro-organisms that are not affected by chlorine and salt
- No unpleasant chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance: simple and reliable
- Prolongs pool life – will not affect equipment and is compatible with all types of materials (pool liner, filters...)
- Environmentally friendly

The UV Concept

The sun emits invisible light called the ultraviolet light. Through leading edge technology, this natural phenomenon is reproduced inside the sanitizers of the ATECPool UV product range using powerful UV-C ray lamps. At 254 nanometers, the optimum wavelength for sterilizing micro-organisms (viruses, bacteria, algae, yeast, mold, etc.), UV-C rays penetrate and disrupt their DNA, permanently deactivating germ cell metabolism so they cannot reproduce.



MP Series Reactors

UV ranges have been **certified NSF 50 and Cryptosporidium evaluated**. Testing measures for certification are required standard in order to deliver an optimal efficiency level of microorganisms' reduction such as bacteria, viruses, Crypto, Giardia, etc. (which are not eliminated by chlorine and ozone at usual level).

Advantages of the MP Range

- The MP range delivers 60 mJ at the end of the lamps' life in order to guarantee optimum dechloramination.
- Treatment of high ow rates.
- Reactors made from micro-bitted and passivated 316L stainless steel, high resistance to the corrosion.
- Hydraulic «in line» inlet/outlet connections with nearly nonexistent pressure loss.
- High power medium pressure and multi wavelength lamps for reducing the number of lamps installed.
- High frequency electronic ballast.
- UV sensor with PLC for management of efficiency parameters (in option: remote management via a 4-20mA output) providing a continuous measurement of the UV-C radiance intensity and a control of all operation and maintenance parameters.
- Temperature sensor within the electrical box and the reactor (in option), flow sensor.
- Lamp life: 9,000 to 12,000 hours.
- Power regulation: the medium pressure is the only technology which acts on the 3 chloramines (mono-, di- and trichloramines) and which avoids risks of THM's increases.
- MP TS Range: Touch Screen.

MPTS Series

TS for touch screen
Manual or automatic wiper available

MPL Series

No wiper option

MP SERIES REACTORS (Medium Pressure lamps)

Code	Max Flow Rate*	Performance in millijoules per cm² at actual recommended flow rates **	UV Lamp: Number Power consumption	Connection DN	Length of reactor
Feature	(m³/h)	(mJ/cm²)		(DN)	(mm)
MPL 140	140	60	1 x 1.8 kW	DN 160	600
MPL 220	220	60	1 x 3 kW	DN 200	600
MPL 300	300	60	1 x 3 kW	DN 250	600
MPL 500	500	60	1 x 5 kW	DN 350	800
MP 100 TS	80	60	1 x 1 kW	DN 125	1175
MP 125 TS	140	60	1 x 3 kW	DN 150	1152
MP 140 TS	300	60	1 x 3 kW	DN 200	1244
MP 240 TS	450	60	2 x 3 kW	DN 250	1020
MP 340 TS	675	60	3 x 3 kW	DN 300	725
MP 440 TS	900	60	4 x 3 kW	DN 300	824

* Contact us for other flow rates

** The performance of these devices have been calculated at the end of the lamp life and with a transmission of 98%

UV Disinfection

Ultraviolet Solutions



ATEC ES-20

Effective Dose

The reactors in the ATECPool UV ranges are dimensioned according to the pump flow rate, as it is the combination of the contact time in the reactor and the power of the lamp(s) that will ensure that the necessary dose (expressed in millijoules per square centimeter or mJ/cm^2) sufficient to kill 99.9% of the micro-organisms (bacteria, viruses, algae, etc.).

ATEC ES Series UV Sterilizers - Specifications

- Drastically reduces chemical use by 50%
- Sterilizes micro-organisms that chlorine and salt systems can't
- No nasty chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance, simple, reliable
- Prolongs pool & equipment life
- Environmentally friendly
- Compatible with all types of coatings and filters
- Compatible with all pool chemical treatments
- A treatment that can be automated with an existing chlorinator
- Power supply: 120/240V / 50 - 60Hz
- Housing: ES series-special 8" PVC plastic with stainless steel reflective inner liner and mirror polished stainless steel outer cladding.
- Ballast: electronic
- Pressure gauge: yes
- Indoor / outdoor installation: yes
- Plumbing options: 63mm or 2" PVC unions

ES Series Specification							
	Max Flow Rate	UV dose in millijoules per cm^2 at actual recommended flow rates	Pressure Max	UV Lamp	Diameter of Reactor	Total Height	Inlet/Outlet diameter PVC Union
Feature	(m^3/h)	(mJ/cm^2)		(W)	(mm)	(mm)	(mm)
ATEC ES-5	7	30	40 psi - 3 bars	1x30W	8"	450.8 mm	63 mm
ATEC ES-15	13	30	40 psi - 3 bars	1x45W	8"	625 mm	63 mm
ATEC ES-20	18	30	40 psi - 3 bars	1x80W	8"	987 mm	63 mm
ATEC ES-40	25	30	40 psi - 3 bars	1x90W	8"	1168 mm	63 mm



ATEC UV-40

ATEC UV & HO Series Stainless Steel Reactor - Specifications

- Specially adapted reactors made from mirror-polished 316L stainless steel, optimized with UV-C lamps using state of the art technology with high-intensity (HO) performance.
- Very long lamp service life (up to 13.000 hr)
- Dedicated electronic ballast guaranteeing maximum lamp UV efficiency and integrated control
- Single-base lamps and patented sealing system for an easy maintenance
- Lamp operating indicator light for each lamp
- Insignificant pressure loss
- Inlet / outlet connections using unions supplied
- Power supply: 120/240V / 50 - 60Hz
- Maximum operating pressure: 3 bar

UV & HO Stainless Steel Reactors Specification						
	Max Flow Rate	UV dose in millijoules per cm^2 at actual recommended flow rates	UV Lamp	Inlet / Outlet Diameter	Height of Reactor	Diameter of Reactor
Feature	(m^3/h)	(mJ/cm^2)	(W)	(mm)	(mm)	(mm)
ATEC UV-10	7	30	1 x 33	50	426	150
ATEC UV-20	12	30	1 x 55	50	696	150
ATEC UV-30	20	30	1 x 87	63	942	150
ATEC UV-40	25	30	1 x 105	75	1196	150
UV-3000 HO	33	30	3 x 87	63	1004.6	150
UV-3205 HO	45	30	3 x 87	75	1040	205
UV-4205 HO	65	30	4 x 87	75	1040	205
UV-5205 HO	85	30	5 x 87	75	1040	205
UV-6205 HO	95	30	6 x 87	75	1040	205
UV-6273 HO	130	30	6 x 87	75	1040	273

Note: The performance of these devices have been calculated at the end of the lamp's life and with a transmission of 98%.
Contact our professional team for other flow rates.

UV Disinfection

Ultraviolet Solutions



ATEC E-5

Standard UV Disinfection - 316L stainless steel housing

Atec E-Series UV System disinfection in a very compact design, with easily replaceable lamps that are with single base. Suitable for residential pools, fish ponds, residential drinking water treatment. The UV lamp provides a UV dose of 30 mJ/cm², which is sufficient disinfection and protection against 99.9% chlorine resistant micro-organisms.

ATEC E-Series UV Sterilizers Specifications

- Reduces the chlorine consumption up to 50%.
- 316L Stainless Steel housing with mirror polished interior that increases the UV-C radiation reflection, thereby increasing the efficiency by up to 35%.
- Optional timer to control the running operation hours.
- Single-base lamps and patented sealing system for an easy maintenance.
- Inlet / outlet connections using unions supplied.
- Lamp service life (up to 9,000 hr)
- Power supply: 120 / 240V / 50 - 60Hz

E Series Specification						
	Max Flow Rate	UV dose in millijoules per cm ² at actual recommended flow rates	Pressure Max	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(mJ/cm ²)		(W)	(A)	(inch)
ATEC E-5	7	30	40 psi - 3 bars	16W	0.29	1.5"
ATEC E-15	20	30	40 psi - 3 bars	40W	0.29	2"
ATEC E-20	25	30	40 psi - 3 bars	75W	0.29	2"



ATEC E-40

Standard UV Disinfection - 316L stainless steel housing with flow switch

Atec E-Series UV System disinfection in a very compact design, with easily replaceable lamps that are with single base. The amalgam version includes a flow switch that will cut-off the lamp power to protect the system from over heating when the water flow is lower than required.

ATEC E-Series UV Sterilizers Specifications

- Equipped with flow switch
- Inlet / outlet connections using unions supplied
- Lamp service life (up to 9,000 hr)
- Power supply: 120 / 240V / 50 - 60Hz

E Series Specification						
	Max Flow Rate	UV dose in millijoules per cm ² at actual recommended flow rates	Pressure Max	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(mJ/cm ²)		(W)	(A)	(inch)
ATEC E-40	30	30	40 psi - 3 bars	130W	1.1	2"

UV - C Ozone Disinfection - 316L stainless steel housing

Atec UV - C Ozone combines the ozone and UV - C state of art technology for disinfection. Water pumped into the unit through reactor and air sucked through venturi system into the unit via air injector and flows through quartz glass and ozone UV - C lamp. Air enters the lamp and loaded with ozone particles then pass through ball valve and mixed with water inside reactor, thereby giving UV - C Ozone disinfection to water bodies.



ATEC UV - C Ozone

E Series Specification						
	Max Flow Rate	Pool Volume	Pressure Max.	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(m ³)		(W)	(A)	(inch)
ATEC UV - C Ozone	25	90 - 100	40 psi - 3 bars	87W	1.1	2"

Prozone

Ozone & Advanced Oxidation Systems

Prozone Ozone Generation

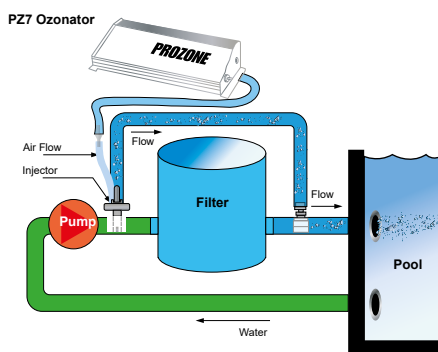
The Prozone system produces ozone when air is drawn across a special high-energy vacuum ultraviolet (VUV) lamp, converting some air to ozone. A venturi injector is inserted on the return line, by-passing water back into the return line of the pool which creates suction that draws the ozone into the venturi, mixing the bubbles as the water returns to the pool. It is operated automatically by connecting the Prozone system directly to the circulation pump or plugging into a timer. A check valve is employed to prevent water back up in the event of system failure. A siphon loop is recommended for added backpressure resistance. The system should run 8-12 hours per day for good results; 24 hours per day for optimum water clarity and minimum chemical usage.

Although ozone is mainly thought of as a sanitizer, it acts primarily as an oxidizer in the pool environment. In a typical pool, using chlorine only, up to 90 percent of the chlorine may be used up in reactions unrelated to disinfection. The byproducts of these reactions are combined chlorines. Combined chlorines are the cause of eye irritation, odor, and the other unpleasant side effects of chlorination. When ozone is used, it oxidizes a large portion of the contaminants (usually referred to as bather load) which results in the formation of combined chlorines. The result is that more chlorine is available for disinfection and less chlorine is required to maintain the pool. Ozone also provides some disinfection, but an ozone residual cannot be established, so the use of chlorine or bromine is always recommended.

PZ7 Ozonator

The PZ7 provides an ozone system for pools up to 40,000 gals (152,000 liters). Housed in an anodized aluminum case, the system features two hybrid arc tubes to generate ozone, power supply (operates on 120 and 240 VAC), and bypass installation kit (good for 1-1/2 in and 2 in returns).

Prozone has combined the PZ7 product line to one Universal model. This patented system has two corona hybrid arc tubes which provides a combination of very ultraviolet and corona discharge ozone generation technologies for pools up to 40,000 gal.



Specifications

- Universal model – stock one unit for all residential in-ground pools
- to 40,000 gal (152,000l)
- 2 Prozone Patented Corona Hybrid Arc Tubes
- Prozone Universal Solid State Ballast
- (90 VAC to 270 VAC, 50/60 hz)
- Electrical: 0.8 amps
- Dual Nema Plug or 3 Wire Pigtail
- Universal Composite Saddle Clamp (1½ or 2 in.)
- Operating Temperature: -25° F. to +140° F.
- Size: 16 3/4" X 7" X 4"
- Prozone Patented Corona Hybrid Arc Tube harnesses the high ozone concentrations of Corona Discharge generators while maintaining the simplicity and reliability of VUV technology
- Optional Prozone Patented Dynamic Venturi Injector Bypass System allows maximum ozone/water mixing for superior water quality. The bypass also means a quick retrofit installation or replacement for all existing ozone generators

Prozone

Ozone & Advanced Oxidation Systems

PZ2-1 & PZ2-2

For pools and spas up to 12,500 & 25,000 gallons. PZ2-1 & PZ2-2 are compressor driven ozonators especially built for commercial pool & spa applications where proper oxidation is a must.



PZ2-1

Heavily Loaded Pools Up To 12,500 Gallons
Nominal Loading Up To 25,000 Gallons



PZ2-2

Heavily Loaded Pools Up To 25,000 Gallons
Nominal Loading Up To 50,000 Gallons

PZ2-1 & PZ2-2

The PZ2-1 & 2 series can be used on commercial spas all the way up to the largest Olympic size commercial pool. Because of the numerous lamps, it is much more reliable than comparable corona discharge systems.

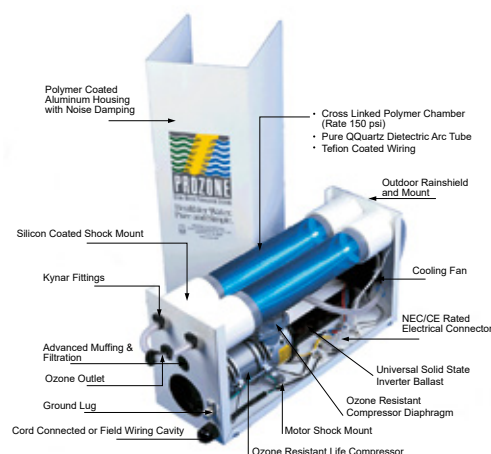
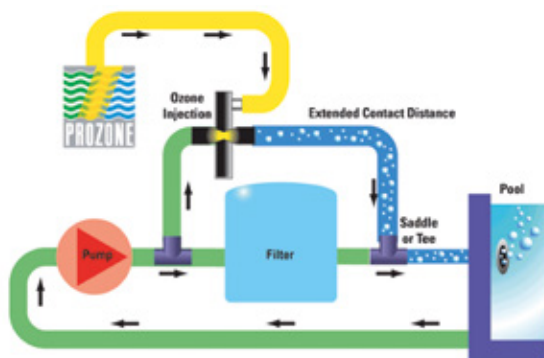
The PZ2-1 & 2 series are extra quiet with high output compressors to produce maximum ozone production. The PZ2-1 is rated for up to 12,500 gallons for residential pools and 1,000 gallons for in-ground spas. The PZ2-2 is rated for pools up to 25,000 gallons. Installation is fast and easy by simple saddle connection to the return line. They feature patented bypass for optimal ozone absorption and extended system life.

The PZ2-1 and PZ2-2 systems inject ozone into the water under almost any hydraulic condition including pools with in-floor cleaners. The systems are designed for large residential pools, commercial pools and spas.

Specifications

- Prozone Patented Corona Hybrid Arc Tubes
- Prozone Universal Solid State Ballast
- (90 VAC to 270 VAC, 50/60 hz)
- Electrical: 0.4 amps max. (PZ2-1) 0.8 amps max (PZ2-2)
- 3 Wire Pigtail
- Universal Composite Saddle Clamps (1½" or 2")
- Operating Temperature: -25° F. to +140° F
- Size: 27" x 12" x 9"

Dynamic Venturi Injector Bypass Installation



Ozone Sizing For Pools

Code	Chlorine	Bromine
		(mm)
PZ2-1	12,500 gallons	12,500 gallons
PZ2-2	25,000 gallons	25,000 gallons

Ozone Sizing For Spas

Code	Chlorine	Bromine
		(mm)
PZ2-1	500 gallons	500 gallons
PZ2-2	1,000 gallons	1,000 gallons

Custom Features

Optional Degassing Column to remove air and/or excess ozone from system

Prozone

Ozone & Advanced Oxidation Systems

PZ2-4 - PZ2-48 Series

The PZ2 Hybrid Series features Prozone's patented Hybrid Advanced Oxidation Ozone generators which create both ozone and hydroxyl radicals for the ultimate in water oxidation and purification. Each rugged Hybrid system is venturi or compressor driven, injecting consistent amounts of ozone into the water.

PZ2-4 & PZ2-16



PZ2-Unit	Pool Size	Nominal Loading	Weight	Dimensions	Installation Packages
PZ2-4	Up to 50,000 gallons Spas up to 1,000 gal.	Up to 100,000 gallons	47 lbs	27" x 10" x 26"	Bypass Installation Kit Included Optional Skid Mount Package Available
PZ2-6	Up to 75,000 gallons Spas up to 2,500 gal.	Up to 150,000 gallons	66 lbs	27" x 10" x 39"	
PZ2-8	Up to 100,000 gallons Spas up to 3,000 gal.	Up to 200,000 gallons	72 lbs	27" x 10" x 39"	
PZ2-12	Up to 150,000 gallons	Up to 300,000 gallons	87 lbs	27" x 10" x 52"	
PZ2-16	Up to 200,000 gallons	Up to 400,000 gallons	110 lbs	27" x 10" x 65"	

PZ2-24 & PZ2-48

Skid Mount Hybrid™ Commercial Systems With Counterflow Contacting – Skid system sizing is specified for cryptosporidium destruction. Skid Systems include side stream circulation pump.



PZ2-Unit	Pool Size	Nominal Loading	Weight	Dimensions	Installation Packages
				(mm)	(mm)
PZ2-24	Up to 300,000 gallons	Up to 600,000 gallons	Varies with Customization	42" x 37" x 60"	Skid Mount Package Included
PZ2-48	Up to 600,000 gallons	Up to 1,200,000 gallons	Varies with Customization	42" x 37" x 60"	Skid Mount Package Included

Pool Sizing

Code	Chlorine	Bromine
		(mm)
PZ2-4	50,000 gallons	25,000 gallons
PZ2-8	100,000 gallons	50,000 gallons
PZ2-12	150,000 gallons	75,000 gallons
PZ2-16	200,000 gallons	100,000 gallons
PZ2-24	300,000 gallons	150,000 gallons
PZ2-48	600,000 gallons	300,000 gallons

Nominal Ozone Output

Code	Grams Per Hour
PZ2-4	2 grams/hour
PZ2-8	4 grams/hour
PZ2-12	6 grams/hour
PZ2-16	8 grams/hour
PZ2-24	12 grams/hour
PZ2-48	24 grams/hour



Accu-Tab System

Tablet Chlorination



16210100

Accu-Tab 100

The Accu-Tab®100 chlorinator combines with the proprietary 31/8" Accu-Tab Blue SI calcium hypochlorite tablets to deliver predictable rates of chlorine for a variety of HMAC pool water applications.

Specifications

- 30 pound tablet storage capacity
- For spas (with chemical controllers) 500 gal and larger
- For Indoor pools up to 80.000 gal
- For pools (with chemical controller) up to 60.000 gal
- NSF 50 certified at 19.2 pounds of available chlorine per day

Accu-Tab 100 Series Specification			
Code	Dimension	Inlet Connection	Outlet Connection
16210100	Ø14" x 25"H	3/4" Socket	3/4" Socket



16211030

Power Base 1030

The Accu-Tab® system combines the patented erosion feeder technology of the PowerBase 1030 chlorinator with proprietary 31/8 -inch Accu-Tab Blue SI calcium hypochlorite tablets to deliver predictable rates of chlorine for commercial water applications.

Specifications

- 30 pound tablet storage capacity
- For indoor pools up to 360.000 gal
- For outdoor un-stabilized pool up to 60.000 gal
- For outdoor stabilized pools up to 140.000 gal
- NSF 50 certified delivery - upto 2.8 lbs/hr chlorine

Power Base 1030 Series Specification				
Code	Dimension	Inlet Connection	Outlet Connection	Electrical requirements
16211030	22"W x 27"L x 35"H	1" Socket	1" Socket	230V 20 amp circuit



16213070

Power Base 3070

The 3070 model has few moving parts and no small openings that can clog; freeing operators from frequent, time consuming maintenance. In most cases, once a year cleaning is all that is required.

Specifications

- 70 pound tablet storage capacity
- For indoor pools up to 1120.000 gal
- For outdoor un-stabilized pool up to 220.000 gal
- For outdoor stabilized pools up to 400.000 gal
- NSF 50 certified delivery - upto 10.2 lbs/hr chlorine

Power Base 3070 Series Specification				
Code	Dimension	Inlet Connection	Outlet Connection	Electrical requirements
16213070	22"W x 34"L x 52"H	1 1/2" Socket	1 1/2" Socket	230V 15 amp circuit



16213500

Power Base 3500

The 3500 model has few moving parts and no small openings that can clog; freeing operators from frequent, time consuming maintenance. In most cases, once a year cleaning is all that is required.

Specifications

- 500 pound tablet storage capacity
- For indoor pools up to 4.800.000 gal
- For outdoor un-stabilized pool up to 80.000 gal
- For outdoor stabilized pools up to 1.400.000 gal
- NSF 50 certified delivery - upto 36.4 lbs/hr chlorine

Power Base 3500 Series Specification				
Code	Dimension	Inlet Connection	Outlet Connection	Electrical requirements
16213500	31"W x 63"L x 52"H	2" Socket	2" Socket	230V 30 amp circuit

Accu-Tab System

Calcium Hypochlorite Tablets

Accu-Tab Calcium Hypochlorite Tablet SI

Accu-Tab® three-inch calcium hypochlorite (Cal-Hypo) tablets are able to erode reliably, consistently and predictably because they undergo a multi-step manufacturing and quality control process so they will not soften and clog the system—a common problem with knock-off three-inch tablets and briquettes. The tablets are packed in 6 ½ gallon plastic pails containing 25 kgs by weight.



03400012

Accu-Tab Blue SI Tablets - Specifications

- Chemical Name: Calcium Hypochlorite
- Chemical Formula: Ca(OCl)2
- Dimensions: 31/8" diameter x 15/16" tall
- Weight: 325 grams, nominal
- Color: Blue
- Chemical Assay of Cal-Hypo: Active Ingredient, Calcium Hypochlorite, % 68 nom. Other Ingredients, % 32. Minimal Available Chlorine, % 65
- NSF Certification: The tablet and chlorinator shall be NSF Standard 50 listed as a combination only. Other combinations shall not be acceptable



03400013

Accu-Tab White SI Tablets - Specifications

- NSF 61 listed for drinking water
- Chemical Name: Calcium Hypochlorite
- Chemical Formula: Ca(OCl)2
- Dimensions: 31/8" diameter x 15/16" tall
- Weight: 325 grams, nominal
- Color: White
- Chemical Assay of Cal-Hypo: Active Ingredient, Calcium Hypochlorite, %68 nom. Other Ingredients, %32. Minimal Available Chlorine, %65
- NSF Certification: The tablet and chlorinator shall be NSF Standard 50 listed as a combination only. Other combinations shall not be acceptable

Code	Description	Standard Packing	Weight (Kg)
03400012	ACCU-TAB Blue SI 25Kg	1 pallet (24 pails)	600
03400013	ACCU-TAB White SI 25Kg	1 pallet (24 pails)	600

In-line Chlorine / Bromine Feeder

In-line Chlorine / Bromine Feeder

Chlorine Feeder manufactured from unalterable ABS plastic material. Fixed with double safety system cover with built-in manual air relief valve. Easy to use adjustment regulation valve and drain plug. Has mounting fixture for safe operation and correct installation. Comes with 1½", 2" inlet and outlet threaded connection. Flow direction indicator on housing for correct installation.



In-line Chlorine / Bromine Feeder Specifications									
Feature	Capacity	Max. Output	Max. Working Pressure	Connection	Total Height	Base Diameter	Std. Weight	Pkg. Unit	Pkg. Volume
					(mm)	(mm)	(kg)		(m³)
00505678	4.21 LBS / 2kg	16 LBS/Hr.	3.44 bar	1½" IN/OUT Threaded	200	140	1.2	1	0.013
00505679	9 LBS / 4.08kg	32 LBS/Hr.	3.44 bar	2" IN/OUT Threaded	360	180	1.9	1	0.019

Floating Dispenser

Allows easy dosage of pool chemicals with capacity for 4 tablets, 200 grams each.



Code	Diameter of Tablet	Unit
00505338	3"	1

ACO / APF / NOPHOS

Catalytic Agents for Water Quality

ACO - Active Catalytic Oxidizer

ACO is an Active Catalytic Oxidizer that works by using the energy of the sun or UV light to catalyze the formation of free radicals to disinfect pool water. The radicals work just like chlorine to remove pollutants but they do not form combined chlorine.

ACO is not consumed in the process; it just makes what naturally happens much more efficient. ACO also protects chlorine from photolysis by sunlight and makes it last three times longer in outdoor pools. ACO does the same as cyanuric acid, but instead of reducing oxidation capacity, ACO amplifies the disinfection of water.



ACO Specifications

- Eco-Friendly Water Treatment - For outdoor swimming pools, ACO in combination with sunlight helps to disinfect the water. ACO is an oxidation enhancer and chlorine stabilizer.
- A Healthy Bathing Experience - When using UV irradiation, the production of toxic disinfection by-products such as chloroform and cyanogen chloride are reduced.
- High Efficiency - ACO extends the half-life of chlorine and peroxide by over 300 %, giving you substantial chemical savings.

Code	Standard Packing	Volume (ltr)
20022	1	5
20021	1	20

APF - All Poly Flocc

APF is a multi-spectrum coagulant and flocculent that can remove pollutants from solution and flocculate fine suspended solids, such as skin cells and bacteria, into large particles that are easily removed by AFM® (Activated Filter Media).

No single flocculent or coagulant can remove everything from the water. APF is a precise combination of 10 different electrolytes and polyelectrolytes to cover the widest possible range. Dissolved constituents of water make up 80% of the oxidation demand and suspended solids around 20%. Everything that is filtered out does not need to be oxidized. When the correct flocculation is used in combination with AFM, chlorine consumption and the production of unwanted chlorine by-products are reduced by up to 80%.



APF Specifications

- For a safe and healthy pool experience - APF is required to remove bacteria, and parasites such as Cryptosporidium and Giardia.
- Economic and environmental - Improved filtration reduces chlorine demand by up to 80%. It also means there will be fewer disinfection by-products formed. Operating costs will be lower and there will be less of an impact on the environment.
- For chlorine-free swimming in private pools - APF is important for chlorine-free water treatment of private swimming pools in combination with AFM® filtration

Code	Standard Packing	Volume (ltr)
20011	1	20

NOPHOS - No Phosphate Biological Solution Against Algae - for fish ponds

NoPhos removes phosphates that enter the pool from water supply, bathers and from debris blown into the pool. Phosphate is a fertilizer and if completely removed, algae and bacteria slowly starve and are eliminated over a period of about six weeks. NoPhos is a natural product that can be safely used in public and private swimming pools, as well as in natural pools, ponds and aquarium. NoPhos is a charged ion which reacts with phosphate to form an insoluble precipitate that is removed by AFM®, or it forms an inert deposit on the floor of the pool that is easily removed.



NOPHOS Specifications

- Eliminates phosphates - Prevents algae and bacteria growth
- Is a natural product - NoPhos can be used in swimming pools and fish ponds
- Makes crystal clear water.

Code	Standard Packing	Volume (ltr)
20001	1	5
20002	1	20

PoolLab Pool Tester

Smart Photometer

Atecpool PoolLab Pool Tester with App and Bluetooth

The new tester PoolLab is a triple wavelength (530/570/620nm) photometer for professional water analysis of private pools and spas.

An in-built but changeable cuvette allows quick water sampling by just dipping in the IP68 waterproof PoolLab with its 6 buttons is designed for instant access to the parameters installed, which are: pH, Chlorine (free/ combined/ total), Alkalinity (Acid Capacity), Cyanuric Acid (Stabilizer), Active Oxygen (MPS), Bromine, Chlorine Dioxide, Ozone, Hydrogen Peroxide Total Hardness, Calcium Hardness, Urea and PHMB.

As PoolLab uses wireless Bluetooth 4.0 technology, it can easily be connected to free software and app for test result management.

Once test results are synchronized, software and app allow dosage recommendations, based on individually entered water treatment chemicals. User can print test result reports, perform index calculation, such as LSI, and much more.

A free cloud server takes care that data on app and software are constantly synchronized, if the user decides to use this feature.



Pool Lab Pool Tester - Specifications

- Bluetooth equipped
- Powerful App and software
- Free cloud space
- 6 buttons for direct access
- IP68 Waterproof
- Fixed but changeable cuvette

Code	Description
LAB310	PoolLab Digital Test Kit

PoolLab Pool Tester - Parameters

PoolLab Tester offers the following pre-installed parameters:

- pH - range 6.50 - 8.40 pH
- Chlorine (free/combined/total) - range 0.00 - 8.00 mg/l (ppm)
- Alkalinity (Acid Capacity) - range 0 - 200 mg/l (ppm) CaCO₃
- Cyanuric Acid (Stabilizer) - range 0 - 160 mg/l (ppm)
- Active Oxygen (MPS) - range 0.0 - 30.0 mg/l (ppm)*
- Bromine - range 0.0 - 13.5 mg/l (ppm)**
- Chlorine Dioxide - range 0.0 - 11.4 mg/l (ppm)**
- Ozone - range 0.00 - 4.00 mg/l (ppm)**
- Hydrogen Peroxide (LR) - range 0.00 - 2.90 mg/l (ppm)*
- Hydrogen Peroxide (HR) - range 0 - 200 mg/l (ppm)*
- Calcium Hardness - range 0 - 500 mg/l (ppm) CaCO₃*
- Total Hardness - range 0 - 500 mg/l (ppm) CaCO₃*
- Urea - range 0.1 - 2.5 mg/l (ppm)*
- PHMB - range 5 - 60 mg/l(ppm)*

*requires reagents not included in basic kit

**requires Glycine reagent tablets if chlorine is present
Glycine reagent tablets are not included in the basic kit

PoolLab Pool Tester - Basic kit

- 1 x PoolLab 1.0 with Bluetooth 4.0 IP68 waterproof
- 1 x Transparent plastic case
- 1 x Light shield
- 1 x Plastic stirring rod
- 1 x 10ml syringe
- 3 x AAA batteries
- 1 x manual
- Free access to PoolLab software
- Free access to PoolLab app
- Free access to PoolLab cloud

PoolLab Pool Tester - Reagents

- 20 tablets Phenol Red
- 20 tablets DPD N° 1
- 10 tablets DPD N° 3
- 10 tablets Alkalinity-M
- 10 tablets CYA-Test

all tablets are Photometer grade

Pool Tester

Test blocks

Pool Tester & Mini-tester

All Pool tester and Mini-Tester reagents are entirely developed and produced in Germany and blistered in push-through aluminium blisters providing long shelf life of 5 to 10 years as well as easy handling.

Our reagents were the first reagent tablets manufacturer introducing the tablet push-through-blister and got awarded for it some years ago.



Pool Tester Specifications

- Classic way of how to reliably test your pool and spa water.
- All our pool testers have a white background. By that, reading the result is easy and won't be disturbed by background colors.
- Chambers behind the color charts can be filled with water as well, to automatically adjust the scale colors, in case the water to be tested is pre-colored.
- Pool testers work with German made, rapid dissolving reagents.

	Code	Description	Measurement ranges
Pool Tester	PT100	Pooltester pH and chlorine/bromine . 8 pH scale values, 16 Chlorine/Bromine scale values. Tablets for 30 tests (each).	pH 6.8 - 8.2 Cl (f/c) 0.1 - 6.0 Br 0.22 - 13.2
	PT500	Pooltester pH , chlorine/bromine and alkalinity . Each 8 scale values. Tablets for 20 tests (each).	pH 6.8 - 8.2 Cl (f/c) 0.1 - 6.0 Br 0.22 - 13.2 Alk 0 - 250
	PT200	Pooltester pH and active oxygen (MPS) . Each 8 scale values. Tablets for 30 tests (each).	pH 6.8 - 8.2 MPS 0 - 15
	PT300	Pooltester pH , Hydrogen Peroxide (H₂O₂) and PHMB (Biguanide) . 2.2 Each 8 scale values. Tablets for 20 tests (each).	pH 6.8 - 8.2 PHMB 10 - 100 H ₂ O ₂ 5 - 50
	PT400	Pooltester pH and (free) Copper/ Zinc values (differential process). Each 8 Scale values, incl. stirring rod to crush the tablets. Tablets for 20 tests (each).	pH 6.8 - 8.2 Cu 0.0 - 1.0 Cu/Zn 0.0 - 1.0
MiniTester	PTM100	Mini-Tester for the measurement of pH and Chlorine / Bromine values. Each 6 scale values. Tablets for 20 tests (each).	pH 6.8 - 8.0 Cl (f/c) 0.5 - 5.0 Br 1.1 - 11.0
	PTM200	Mini-Tester pH and Active Oxygen (MPS) . Each 6 scale values. Tablets for 20 tests (each)	pH 6.8 - 8.2 O ₂ 1.5 - 15.0
	PTM900	Mini-Tester pH and Chlorine Dioxide . Each 6 scale values. Tablets for 20 tests (each).	pH 6.8 - 8.2 Chlor. Diox. 1.0 - 9.5

All reagent tablets are available in pack sizes of 50 / 100 / 250 / 500 tablets as well as mixed packs, matching the original quantity of tablets per tester as shown in the table under "content".

