

*Inspired
by Water*



**WATER
TREATMENT**





ATECPOOL 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

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



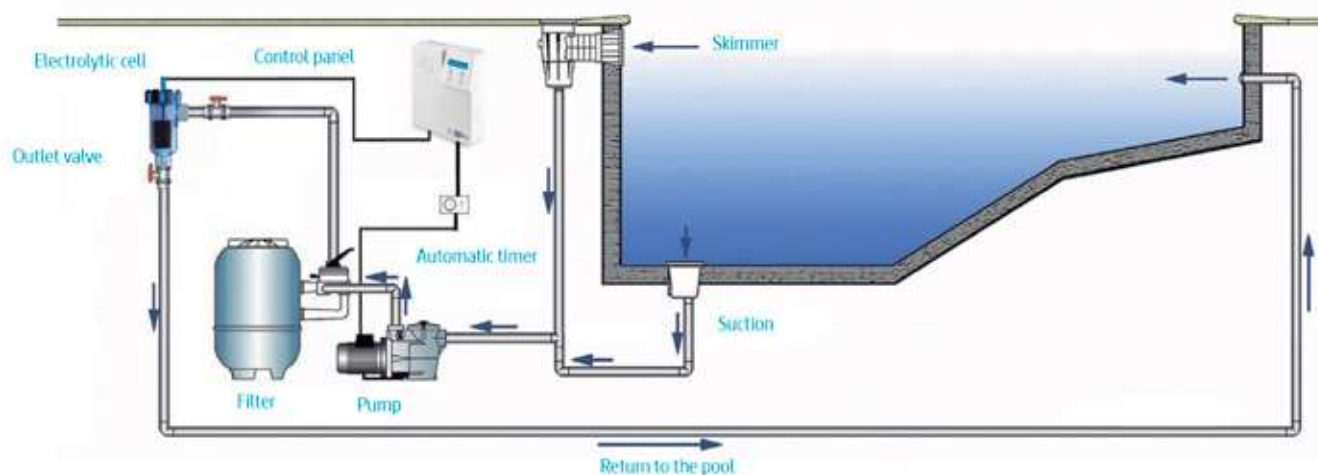
Code	Description
ATEC15	AT-Series Salt Chlorinator 15g/h
ATEC20	AT-Series Salt Chlorinator 20g/h
ATEC30	AT-Series Salt Chlorinator 30g/h
ATEC50	AT-Series Salt Chlorinator 50g/h



Specifications

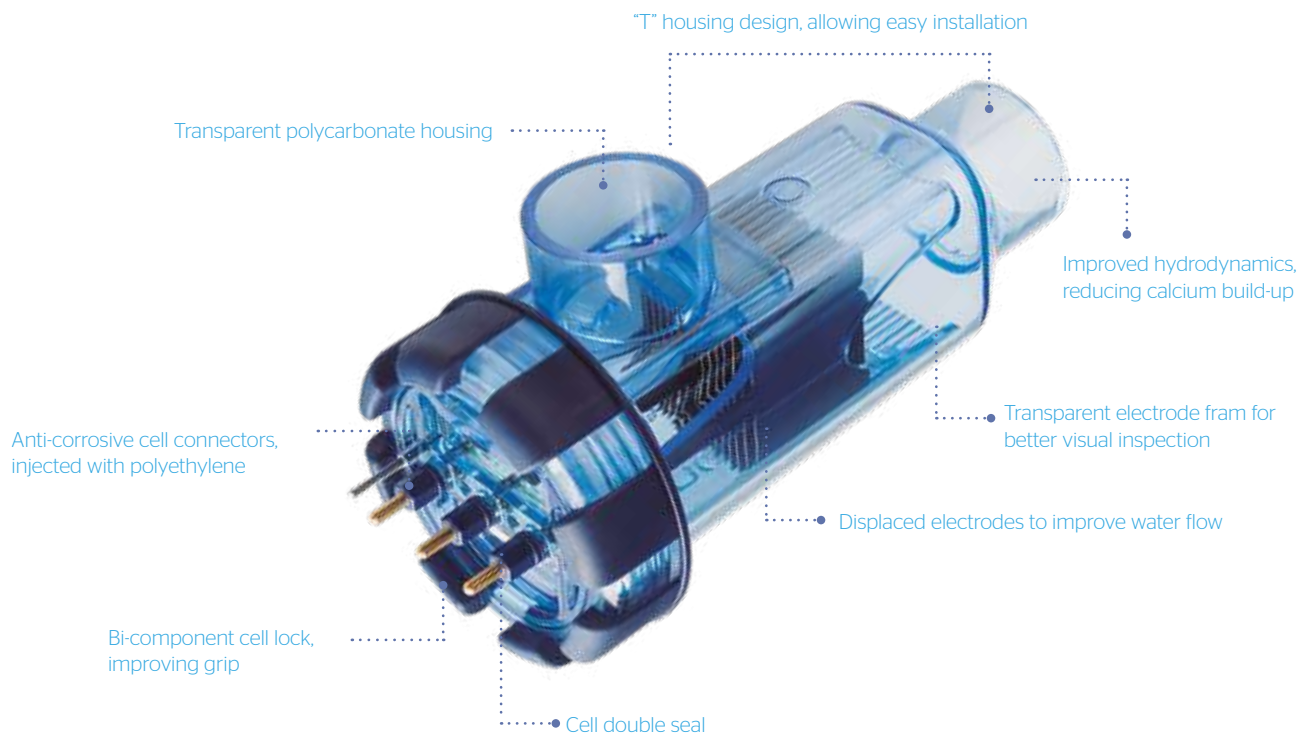
- New sealed power supply of high performance.
- Elimination of forced air ventilation: high resistance to corrosive atmospheres, notable decreases faults. IP65 rate.
- New easy user interface with Backlit LDC display.
- New wall mounting with independent stainless steel bracket.
- Detachable lead plug 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	

50 m³ ↔ 200 m³

10.000_{hr}

pH

- 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.

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 gets 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 Invertek

Salt Chlorinator

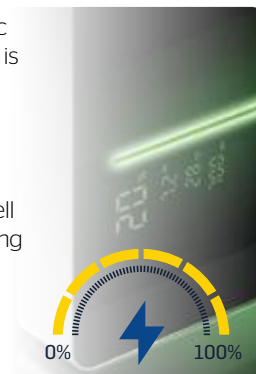
Atecpool Invertek Salt Chlorinator

Invertek technology adopts an advanced PID algorithm for accurate control of chlorine production and pH regulation. With self adaptation to different situations and 100% powerful inverter, Invertek saves more time whether during initial disinfection or after having heavy bathers load. It can also operate at a low salt level of 2g/L and keep crystal pure water without worries about frequent salt maintenance.

Dynamic Control

Embedded with dynamic inverter control, Invertek is intended to offer triple benefits.

Running adaptively from 0%-100%, the new type features more durable cell life, absolute energy-saving operation, and lasting water quality.



Specifications

- It has a 130% powerful turbo inverter for fast disinfection in 5 hours.
- Good performance even low to 1.5g/L salt level.



ATEC-IKS10



- ORP/pH/ Temperature Reading
- One-click Turbo/Boost
- Salinity Reference
- Logs Review

APP CONTROL

- Salinity Detection
- Built in pH Regulator
- Pump control
- Self-cleaning Cell
- Replaceable Electrode
- Auto Low Mode

Model	IKS10	IKS16	IKS22	IKS28
Description				
Production (g/h, 3000PPM)	10.0	16.0	22.0	28.0
Salt Level (g/L)	2-5 (recommended 3g/L)			
Technical specifications				
Advised water flow (m³/h)	5-18			
Power Supply	100-240V 50/60Hz			
Power Consumption (W)	60	85	110	130
Operating Temperature (°C)	-5°C - 42°C			
Salinity Test	Salt Level Detection (accuracy ±500PPM)			
Self-cleaning	Default 4h, 3 options in total (2/4/6h)			
pH Dosing Pump	Built-in/Integrated			
Communications	MODBUS RS485 / Wi-Fi / Dry Contact			
Control Unit Dimension LxWxH (mm)	202 x 270 x 75			
Electrolysis cell				
Water connection (mm)	63/50			
Electrodes	10 titanium plates			
Water Temperature	10°C - 40°C			
Maximum Pressure	3.0 Bar for Probe Cell, 4.5 Bar for Electrolysis Cell			
Cell Life (h)	10000			
Packaging specifications				
Net Weight (kg)	7.3			
Gross Weight (kg)	9			
Packaging Dimension LxWxH (mm)	550 x 400 x 300			



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 >	100m ³	200m ³	400m ³	500m ³	750m ³	1000m ³	1500m ³
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 m ³ /h	10 m ³ /h	10 m ³ /h	10 m ³ /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			

100 ↔ 500
m³

14.000_{hr}

- 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 m ³ /h	15 m ³ /h	30 m ³ /h	45 m ³ /h	60 m ³ /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	

200 ↔ 1500
m³

14.000_{hr}

- High Performance
- Easy installation
- Easy to use





ATECPOOL SALCHLORO GENERATOR

ON-SITE CHLORINE PRODUCTION

On site chlorine production
by Atecpool SalChloro



**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

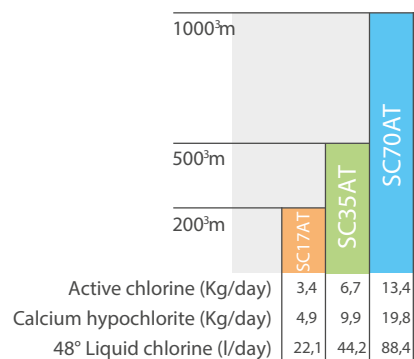
- 1 Control and Production Box**
Easy to use: The BOOST mode allows to launch an automatic filling program in a natural way or with predefined timetables.
Convenient: LED status indicator allows to check quickly the facility operating properly (SC35AT and SC70AT).
- 2 Production Cells**
Cell lifespan: 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

Chlorine Generator for public and commercial pools

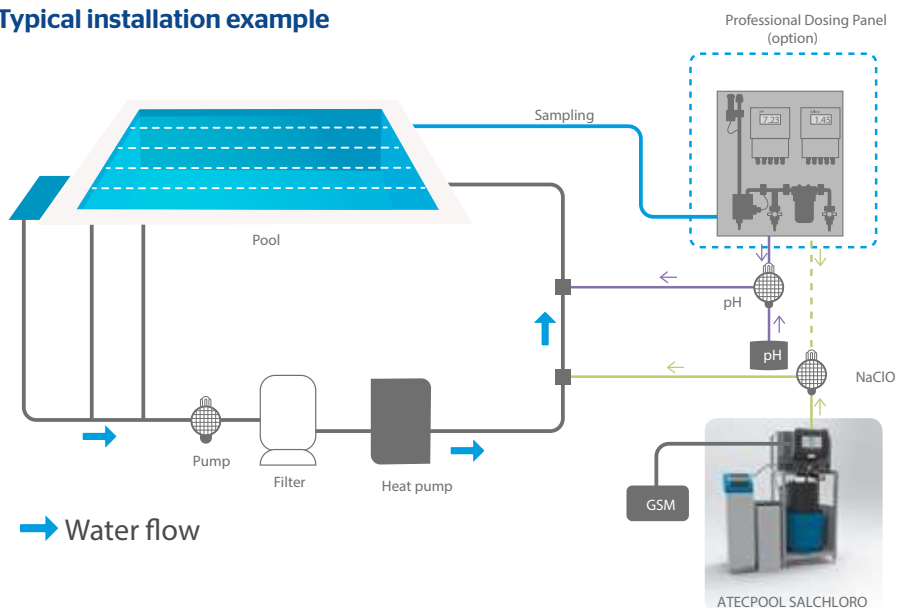
Model	SC17AT	SC35AT	SC70AT
CHLORINE PRODUCTION			
Maximum chlorine solution production capacity (liter / h). Active chlorine concentration of the solution: 8 g / liter	17,5	35	70
Chlorine production capacity (g/h)	140	280	560
Maximum production per day (Kg/day)	3,4	6,7	13,4
Equivalent Calcium Hypochlorite 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

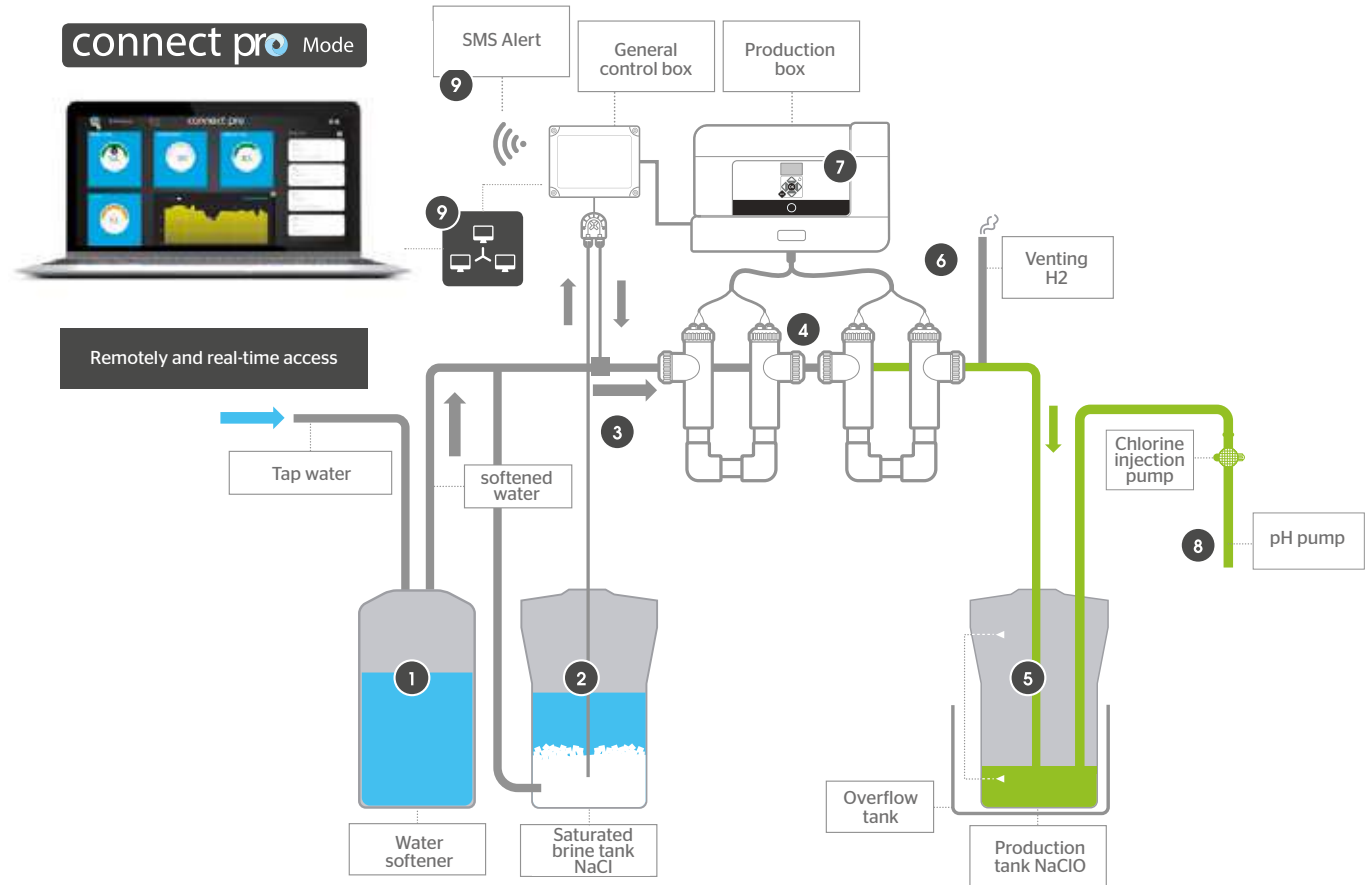


Atecpool SalChloro Generator

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 CHEMICAL REGULATION & CONTROL

PR-007 & PR-009

Integrated Pre-Assembled Panels for Automation



PRO07 and PRO09 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 (PRO09MC 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

PRO09MC Panel (CLS2-1H Membrane ION Selective CL Cell)



PRO09MC 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

PRO09MC Dosing Assembly Panel

Model	PRO09MC
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

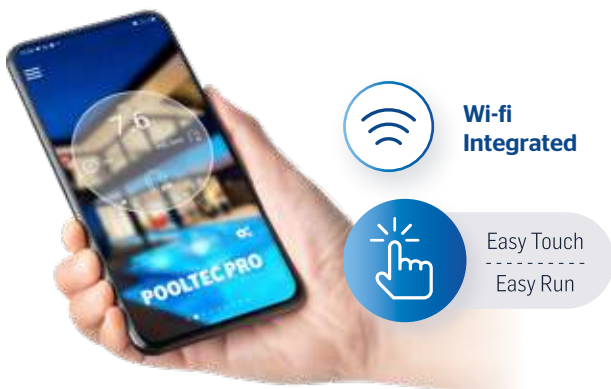
Standard	Pressure	Max	Max	Stroke	Solenoid	Weight	Pump head	VA	Pulses
	Bar	l/h	cc / imp			kg			
Chlorine pump	5	10	1.11	1.3	Ø80	8	PVDF	50	150
pH Pump	5	10	0.55	1.1	Ø80	8	PVDF	50	150

Water Treatment

PRO07 Pro Wi-Fi Controller

Atecpool PRO07 Pro Wi-Fi Controller

Atecpool PRO07 Pro Wi-Fi Controller is the new and innovative fully digital multiparameter ALL-IN-ONE SYSTEM for the control and regulation of pool water treatment.



Model	PRO07 Pro Wi-Fi
Description	Wi-Fi Dosing Controller for pH/CL

Specifications

- All-In-One System.
- Wi-Fi Connection.
- Online Control Via App.
- Electrode/Probes for pH/RX/CL/Temp / Flow/ Level not included.
- Accurate and reliable readings.
- Suitable for all types of pools.
- Touchscreen 10"

Features	Details
Parameters	Automatic reading and regulation of ph / redox / chlorine and temperature
Winter function	Automatic operation of the recirculation pump to prevent ice formation
Outputs	N° 2 outputs mA range 0/4+20 mA - N° 5 programmable outputs - N° 5 outputs dry relay
Pool covers	Pool cover detection function
Circulation pump	Automatic adjustment of the filtration pump. Operation status check
Level probe	Level probe signal input
Flow sensor	Automatic alarm that alerts and disables all outputs in case of no water flow
Menu	Operating system in various languages (Italian, English, French, Spanish, Russian, Dutch, German)

Control your pool when and where you want

With PRO07 Pro Wi-Fi platform, the owner and / or installer of the pool is able to control and operate, on site or remotely, a set of different functions and parameters; from home, office or anywhere via smartphone, without having to access the technical room. Statistics and history of the operations carried out can be viewed in real time.

PRO07 Pro Wi-Fi Controller for Water Treatment

- Control of pH / Redox / Chlorine / Temperature values.
- Automatic regulation of the recirculation pump.
- Swimming pool lighting management
- Other fully programmable outputs

The instrument integrates the most important and complete functions for a complete control of the pool. Equipped with 10-inch touchscreen and an innovative graphic interface, all operations are intuitive and easy to set.

An innovative and safe tool, that includes numerous automatic alarms and the possibility of customizable alerts on all controlled parameters.

- Power supply 100±240 Vac 50 Hz.
- Protection degree IP65

Automatic Chemical Regulation and Control pH & ORP Measurement and Controlling Device

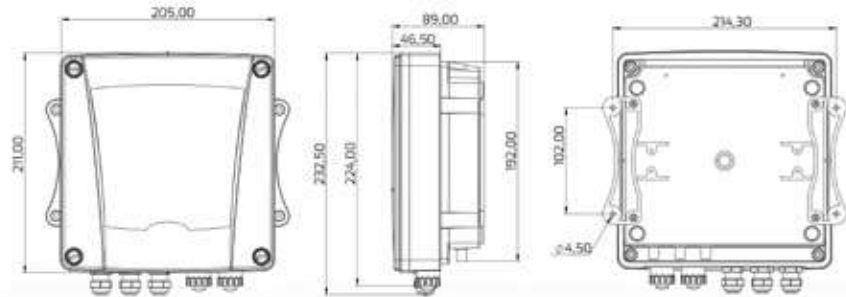
Tetra Controller for pH & ORP



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



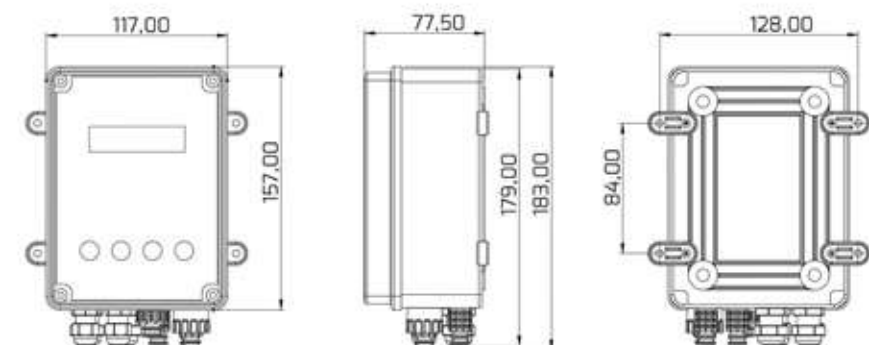
Aquameter Controller for pH or ORP



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.
- Programmable alarm output.
- 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.
- 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 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



ATECPPOOL 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 (OCI)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 K Ω /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

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
ECELL1	Single Electrode Module for pH / RX
ECELL2	Two Electrode Module for pH and RX
ECELL3	Three Electrode Module for pH, RX 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	450
D-TANK200	Atecpool Chemical Tank for Dosing PE body 200 ltr	558
D-TANK500	Atecpool Chemical Tank for Dosing PE body 500 ltr	800
D-TANK1000	Atecpool Chemical Tank for Dosing PE body 1000 ltr	1050

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)	Tank (ltr)
MIX-MAN60	600	100-200
MIX-MAN90	900	500-1000

Electrical Mixer / Low Speed Mixer

Electrical slow mixers, 75/88/65/52 rpm. Gear driven. Fan and mixer shaft PVC material, shaft length 75/90 cm.

Shaft/Blade selection:

- Stainless Steel 304/316/316L
- Carbon Steel Lining Plastic/Rubber/PTFE/Enamel



MIX/FMV 3-6

Code	Shaft Length (mm)	Power Supply	Motor Power	RPM	Tank (ltr)
MIX/FMV 3-6	750	380V - 3 phase - 50Hz	0.18kW	75	100-200
MIX/FMV 3-8	750	230V - 1 phase - 50Hz	0.18kW	88	100-200
MIX/FMV 3-12	900	380V - 3 phase - 50Hz	0.37kW	65	500-1000
MIX/FMV 3-16	900	230V - 1 phase - 50Hz	0.37kW	52	500-1000

UV Disinfection

Ultraviolet Solutions



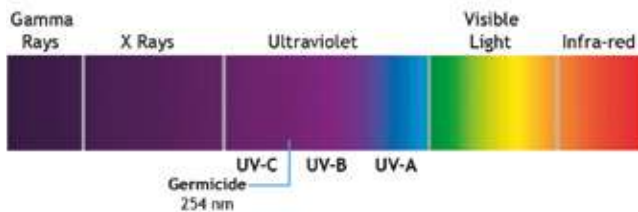
ATEC UV-40

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.
- Inlet/Outlet connection as per selection of UV dose.

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*	UV dose at actual flow rates	Max Flow Rate*	UV dose at actual flow rates	UV Lamp: Number Power consumption	Length of reactor
Feature	(m³/h)	(mJ/cm²)	(m³/h)	(mJ/cm²)		(mm)
MPL 140	280	30	140	60	1 x 1.8 kW	600
MPL 220	440	30	220	60	1 x 3 kW	600
MPL 300	600	30	300	60	1 x 3 kW	600
MPL 500	1000	30	500	60	1 x 5 kW	800
MP 100 TS	160	30	80	60	1 x 1 kW	1175
MP 125 TS	280	30	140	60	1 x 3 kW	1152
MP 140 TS	600	30	300	60	1 x 3 kW	1244
MP 240 TS	900	30	450	60	2 x 3 kW	1020
MP 340 TS	1350	30	675	60	3 x 3 kW	725
MP 440 TS	1800	30	900	60	4 x 3 kW	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 Neo 12

Effective Dose

The reactors in the ATECPPOOL 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/cm²) sufficient to kill 99.9% of the micro-organisms (bacteria, viruses, algae, etc.).

ATEC Neo 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
- PVC reactors
- Ballast: electronic
- Pressure gauge: yes
- Indoor / outdoor installation: yes
- Plumbing options: D 75
- Pressure 3 Bar

Neo Series Specification

	Max Flow Rate	UV dose at flow rates	Max Flow Rate	UV dose at flow rates	UV Lamp	Height of reactor	Diameter of Reactor	Connection
Feature	(m ³ /h)	(mJ/cm ²)	(m ³ /h)	(mJ/cm ²)	(W)	(mm)	(mm)	
Atec Neo 12	12	30	6	60	1 x 55	773	212	D 75
Atec Neo 18	18	30	9	60	1 x 87	1019	212	D 75
Atec Neo 25	25	30	12.5	60	1 x 105	1273	212	D 75



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
- Inlet/outlet connection as per selection of UV dose

UV & HO Stainless Steel Reactors Specification

	Max Flow Rate	UV dose at flow rate	Max Flow Rate	UV dose at actual flow rates	UV Lamp	Height of Reactor	Diameter of Reactor
Feature	(m ³ /h)	(mJ/cm ²)	(m ³ /h)	(mJ/cm ²)	(W)	(mm)	(mm)
ATEC UV-10	7	30	3.5	60	1 x 33	426	150
ATEC UV-20	12	30	6	60	1 x 55	696	150
ATEC UV-30	20	30	10	60	1 x 87	942	150
ATEC UV-40	25	30	12.5	60	1 x 105	1196	150
UV-3000 HO-N	33	30	16.5	60	3 x 87	10046	150
UV-3205 HO-N	45	30	22.5	60	3 x 87	1040	205
UV-4205 HO-N	65	30	32.5	60	4 x 87	1040	205
UV-5205 HO-N	85	30	42.5	60	5 x 87	1040	205
UV-6205 HO-N	95	30	47.5	60	6 x 87	1040	205
UV-6273 HO-N	130	30	65	60	6 x 87	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 at actual flow rates	Max Flow Rate	UV dose at actual flow rates	Pressure	UV Lamp	Max Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(mJ/cm ²)	(m ³ /h)	(mJ/cm ²)	Bar	(W)	(A)	(inch)
ATEC E-5	7	30	3.5	60	3	16W	0.29	1.5"
ATEC E-15	20	30	10	60	3	40W	0.29	2"
ATEC E-20	25	30	12.5	60	3	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 at actual flow rates	Pressure	UV Lamp	Max Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(mJ/cm ²)	Bar	(W)	(A)	(inch)
ATEC E-40	30	30	3	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	UV dose at actual flow rates	Pressure	UV Lamp	Max Current	Inlet/Outlet diameter PVC Union
Feature	(m ³ /h)	(mJ/cm ²)	Bar	(W)	(A)	(inch)
ATEC UV - C Ozone	25	90-100	3	87W	1.1	2"

UV Disinfection

Ultraviolet Solutions



HDPE UV - Low pressure reactors

The high quality HDPE reactors of HDPE series have been designed to treat highly corrosive water. Besides that, HDPE is resistant to aggressive UV radiation. They are suited for all kinds of disinfection and UV-C treatment applications for swimming pools and can even be used for the production of ultrapure water, semiconductor, pharmaceutical and cosmetic industry.



Aquaculture - Protection against fish diseases

Pathogens are the scourge of fish farmers and are often controlled with antibiotics. This has a negative impact on the water quality and thus also on the quality of the fish. UV-C radiation is safe and protects against fish diseases.

Atecpool UV-C systems are therefore very cost-effective for the inactivation of many types of bacteria, viruses and parasite and provide healthy, clear and safe water that protects against infectious fish diseases. This results in a pure, untainted product: better and healthier fish, without residual medications. In addition, Atecpool UV-C systems are suited to combat bacteriological and microbiological hazards and bring water to the quality level the sector is required to meet.



Specifications

- UV radiation resistant
- Suitable for corrosive water
- Fish Hatcheries
- Intake/discharge water
- Aquarium
- Processing plants
- Zoos
- Inlet/outlet connection as per selection of UV dose



HDPE Reactors Specification							
	Max Flow Rate	UV dose at actual flow rates	Max Flow Rate	UV dose at actual flow rates	UV Lamp	Max. Pressure	Power
Code	(m ³ /h)	(mJ/cm ²)	(m ³ /h)	(mJ/cm ²)		(bar)	(kW)
75-110	10	30	5.4	60	1x75W	6	0.08
140-110	17	30	8.7	60	1x140W	6	0.16
200-110	23	30	12.1	60	1x200W	6	0.23
200-160	35	30	17.8	60	1x200W	6	0.23
400-200	83	30	42.1	60	2x200W	6	0.45
600-225	124	30	62.2	60	3x200W	6	0.68
975-315	278	30	139	60	3x325W	4	1.11
1950-315	544	30	276	60	6x325W	4	2.21

UV irradiation can destroy residual ozone in the water instantly, by breaking one of the oxygen bonds in the ozone molecule. A final method for using UV is with Advanced Oxidation Process (AO P); Using AO P in aquaculture reduces micropollutants like geosmin and MIB which cause off flavour in the fat tissue of the fish. Through the combination with an oxidant such as hydrogen peroxide or ozone, hydroxyl radicals are formed. Hydroxyl radicals are the strongest oxidant that can be applied in water environments.

HDPE Control Units

Control Monitor Plus

The Control Monitor Plus is a complete controller and multilingual. A UV sensor, temperature sensor and a flowswitch can be connected. The control unit has alarm and warning functions built-in.



Control Monitor

The Control Monitor has a colour display and an optional UV sensor can be connected for monitoring the treatment process.



Control Timer

The Control Timer has a LED display for showing the operational lamp hours. The maximum number of burning hours are displayed when the system is started. After this the display counts down to 0, at which time the lamp must be replaced.



Atecpool Pure-Water Copper-Silver Ionization



Multi-cell Integrated System



Single / Double Cell Ionization

Copper-Silver Ionization - Chlorine Free Solution

Ionization method of using copper and silver metals for water disinfection has been applied in highly modern water treatment products. The ionisation process uses positively charged copper and silver ions that form electrostatic bonds with negatively charged cells of micro-organisms, effectively killing them.

Copper ions provide a long lasting and effective protection against bacteria, algae and most viruses while Silver is the world's most powerful antibacterial agent. An immune booster, treats psoriasis, eczema, heals wounds quickly and safely.

Specifications

- Digital display with programmable micro control.
- Output Voltage VDC/A:24/12, 48/15.
- Reverse polarity cell.
- Clear pvc single/double cell
- SS316 vessel standard approach for efficient ionization.
- All standard products supplied with Cu/Ag 90/10 alloy.
- Low chlorine residual necessary of 0.5ppm - superior disinfection.

Key Features

- Voltage setting and current.
- Polarity cycle length.
- Dry contact.
- External control.
- Interface with other computer or BMS-optional.
- Alloy material ratios are supplied in CU/Ag 90/10.

Copper-Silver Ionization Specification								
Code	Pool Volume	Power Supply	Current / Frequency	Pressure	Copper Dosage	Silver Dosage	Flow	Connection
	m ³	V AC / Phase	Amps / Hz	Bar	ppm	ppb	m ³ /h	In/Out
Pure-Water 80	80	220-240 / Single	2.5 / 50-60	4	0.5	50	20	63mm
Pure-Water 120	120	220-240 / Single	5 / 50-60	4	0.5	50	30	63mm
Pure-Water 180	180	220-240 / Single	9 / 50-60	4	0.5	50	45	63mm
Pure-Water 240	240	220-240 / Single	12 / 50-60	4	0.5	50	60	63mm
Pure-Water 500	500	220-240 / Single	20 / 50-60	4	0.5	50	120	90mm



Copper-Silver Ionization - Chlorine Free Solution with UV

In combination with UV sterilizer, ionization method of using copper and silver metals for water disinfection has been applied for achieving best water treatment results. UV light has high power intensity which allows for high disinfection level against 99.99% of bacteria. Hence, when it is combined as complete solution with Cu/Ag, it enhances the disinfection level. UV is safe, no chemical and easy to maintain. Low chlorine residual necessary of 0.5ppm - superior disinfection.

Copper-Silver Ionization with UV Specification									
Code	Pool Volume	Power Supply	Current / Frequency	Pressure	UV Sterilizer	Copper Dosage	Silver Dosage	Flow	Connection
	m ³	V AC / Phase	Amps / Hz	Bar	Model	ppm	ppb	m ³ /h	In/Out
Pure-WaterUV 80	80	220-240 / Single	2.5 / 50-60	4	ATEC UV-30	0.5	50	20	63mm
Pure-WaterUV 120	120	220-240 / Single	5 / 50-60	4	UV-3000 HO-N	0.5	50	30	63mm
Pure-WaterUV 180	180	220-240 / Single	9 / 50-60	4	UV-3205 HO-N	0.5	50	45	63mm
Pure-WaterUV 240	240	220-240 / Single	12 / 50-60	4	UV-4205 HO-N	0.5	50	60	63mm
Pure-WaterUV 500	500	220-240 / Single	20 / 50-60	4	UV-6273 HO-N	0.5	50	120	90mm

UV system is supplied separate and can be installed online before or after the ionization unit after filtration

Atecpool Pzone Lite Ozone Generator

Atecpool Pzone Lite Ozone Generators

Pzone Lite 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 Pzone Lite 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 high water clarity and minimum chemical usage.



Ozone Generator



Vacuum Trigger Box



Injector Manifold

Specifications

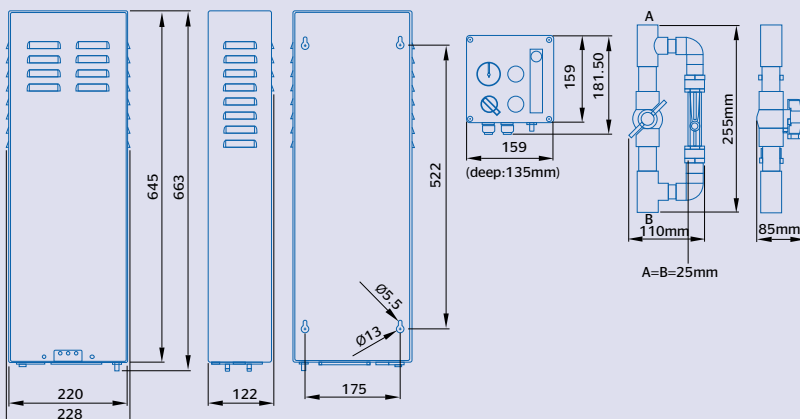
- Universal model – stock one unit for all residential in-ground pools
- upto 95,000 gal
- Venturi Manifold Equipped
- Vacuum Trigger Box Equipped
- 120/240 VAC, 50/60 hz)
- Operating Temperature: -25° F. to +140° F.

Atecpool Pzone Lite Ozone Generators

Code	Pzone Lite 1	Pzone Lite 1.5	Pzone Lite 2	Pzone Lite 4
Ozone output	1 g/hr	1.5 g/hr	2 g/hr	4 g/hr
Matched Pool Volume *	Up to 90 m ³	Up to 135 m ³	Up to 180 m ³	Upto 360 m ³
Equipped Generator QTY.	One	One	One	Two
Venturi Manifold Connection Size	Inlet & Outlet: 2.0"/ 50 mm	Inlet & Outlet: 2.0"/ 50 mm	Inlet & Outlet: 2.0"/ 50 mm	Inlet & Outlet: 2.0"/ 50 mm
Power Requirement (Single Phase)	120/240V 50/60Hz -85W	120/240V 50/60Hz -105W	120/240V 50/60Hz -130W	120/240V 50/60Hz -260W
Optional Water Boost Pump Requirement	2 m ³ /h @ 30 m Head	2 m ³ /h @ 30 m Head	2 m ³ /h @ 30 m Head	2 m ³ /h @ 30 m Head
Weight Net/Gross	13/18 kg	13/18 kg	13/18 kg	22/32 kg

* For indoor hotel pool with middle bather load & chlorine as secondary sanitizer only.

Dimensions



Atecpool Pzone Max

Ozone Generators

Atecpool Pzone Max Ozone Generators

Pzone Max includes CD type ozone generator with oxygen module. The whole system comprises of ozone On/Off control, 4-20 ma Ozone Control & ozone safe interlock, external oil-less compressor, water back flow prevention device and venturi injector manifold. The ozone contacting vessel, degas valve and ORP controller are optional. Pzone Max produce ozone at 10g/hr & 20g/hr. Optional Degassing Column to remove air and/or excess ozone from system.



Ozone Generator



Injector Manifold

Specifications

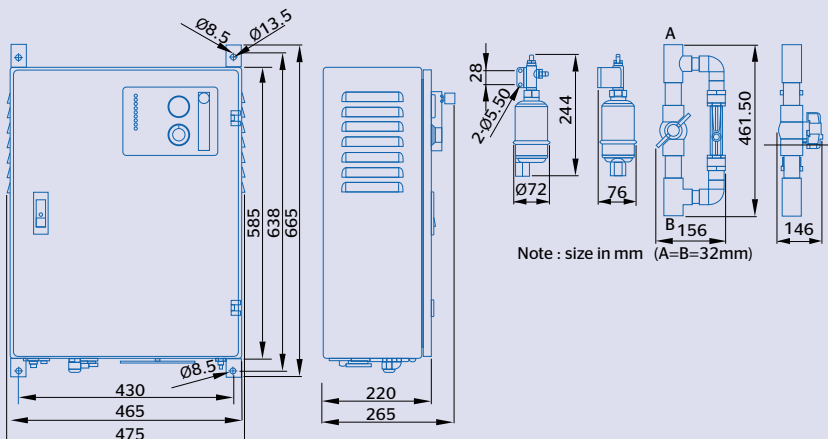
- upto 238,000 gal
- Venturi Injector Manifold
- Auto Drain Tube
- 120VAC to 240 VAC, 50/60 hz
- Corona Discharge (CD)
- Integrated O2 Module
- External Oil-less Compressor
- Operating Temperature: -25° F. to +140° F.

Atecpool Pzone Max Ozone Generators

Code	Pzone Max10	Pzone Max20
Ozone output	10 g/hr	20 g/hr
Matched Pool Volume *	Up to 450 m ³	Upto 900 m ³
Equipped Compressor QTY. (Flow @ Pressure)	One (60 LPM @ 2 bar)	One (60 LPM @ 2 bar)
Venturi Injector Manifold Size	Inlet & Outlet: 1.5"/ 50 mm	Inlet & Outlet: 1.5"/ 50 mm
Power Requirement (Single Phase)	120/240V 50/60Hz - 450 W	120/240V 50/60Hz - 550 W
Optional Water Boost Pump Requirement	2 m ³ /h @ 30 m Head	2 m ³ /h @ 30 m Head
ORP Controlled	optional	optional
Weight Net/Gross	24/30 kg	28/34 kg
External Oil-Less Compressor Weight Net/Gross	11.5/13.5 kg	11.5/13.5 kg
Packing	1	1

* For indoor hotel pool with middle bather load & chlorine as secondary sanitizer only.

Dimensions



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	ACCUTAB Blue SI 25Kg	1 pallet (24 pails)	600
03400013	ACCUTAB 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									
Capacity	Max. Output	Max. Working Pressure	Connection	Total Height	Base Diameter	Std. Weight	Pkg. Unit	Pkg. Volume	Feature
				(mm)	(mm)	(kg)		(m³)	
4.21 LBS / 2kg	16 LBS/Hr.	3.44 bar	1.5" IN/OUT Threaded	200	140	12	1	0.013	00505678
9 LBS / 4.08kg	32 LBS/Hr.	3.44 bar	1.5" IN/OUT Threaded	360	180	19	1	0.019	00505679

Off-line Chlorine / Bromine Feeder

Off-line Chlorine / Bromine Feeder

ABS body, 4 kg tablet capacity. Dosage adjustment on the device. Off-line model can be installed in the pool circulation line with an easy by-pass.



Off-line Chlorine / Bromine Feeder Specifications									
Capacity	Max. Output	Max. Working Pressure	Connection	Total Height	Base Diameter	Std. Weight	Pkg. Unit	Pkg. Volume	Feature
				(mm)	(mm)	(kg)		(m³)	
9 LBS / 4.08kg	32 LBS/Hr.	3.44 bar	1.5" IN/OUT Threaded	360	180	19	1	0.019	00505679-1

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 2.0 Pool Tester with App, Bluetooth and Wi-Fi connection

The fixed but interchangeable 3-cavity cover allows quick sampling by simply immersing the IP68 waterproof PoolLAB 2.0 in water. It has 9 keys giving direct access to ZERO operation (only one per measurement series is required) and to the 24 different pool water parameters.



Easy Touch
Easy Run



Wi-fi
Integrated



PoolLab Pool Tester - Specifications

- Photometer PoolLAB 2.0
- Measurement of 24 parameters:
 - chlorine (free, combined and total)
 - pH
 - alkalinity
 - cyanuric acid
 - etc...
- Interchangeable cuvette
- 4 wavelengths
- 3 measuring chambers (parallel measurement)
- Bluetooth and WiFi
- IP68 protection
- Easy to use
- Powerful App and software
- Large colour display

Code	Description
LAB310	PoolLab Digital Test Kit

PoolLab Pool Tester - Measurement of parameters

PoolLab Tester offers the following pre-installed parameters:

- Cyanuric acid
- Alkalinity
- Aluminium *
- Ammonium *
- Bromine *
- Chlorine (free, combined and total)
- Chloramine
- Copper *
- Chlorine dioxide *
- Calcium hardness *
- Total hardness *
- Phosphate *
- Iron *
- Active Oxygen *
- Nitrate * - Oxygen nitrate * - Oxygen nitrate * - Chlorine (free, combined, and total) Nitrate *
- Ozone *
- Hydrogen Peroxide *
- pH
- pHMB *
- Potassium *
- QACs *
- Sulphate *
- Urea *
- Zinc * - Urea * - Zinc * - Zinc * - Zinc * - Zinc * - Zinc * - Zinc * - Zinc * - Zinc *

*Requires reagents not included with the photometer.



HI989



HI912

Code	Description
HI989	Salinity-Temperature Portable Tester
HI912	pH-Temperature Portable Tester

Code	HI989	HI912
Range	0.00 - 20.00 mS/cm / 0.00 - 10.00 ppt Temperature 0.0 - 60.0 °C	0.00 - 14.00 pH
Precision	0.01 mS/cm / 0.01 ppt Temperature 0.1 °C	0.01 pH
Calibration	versus calibration solution 12.88 mS / cm @25 °C	One (60 LPM @ 2 bar)
Operation temperature	0 - 60°C	
Temperature compensation	2% / °C	SI
Battery	4 X 1.4V / type A76, LR44, V13GA > 100 hours	

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".



ATECPPOOL

COMPETITION

EQUIPMENT

