Emaux

CyberSync
DOSING SYSTEM

12345678901234567
PH 7.3 | 1.5L/H

DISINFECTION SYSTEM

CyberSync Series Pool Station [NEW]

For modern residential pools

NEXT-GEN UX DESIGN FOR ADVANCED POOL MANAGEMENT

The CyberSync Pool Station collects real-time swimming pool data, including pH, ORP, salinity, and temperature, while controlling a complete range of pool equipment such as pumps, chlorinators, lighting, heating, and more. It supports scheduling and automation for effortless maintenance.

CyberSync Cloud Automation

Monitor and control your pool system remotely via an internet connection

powered by **tuya**

Smart Life App

CE CB SAA IPX4 RoHS COMPLIANT
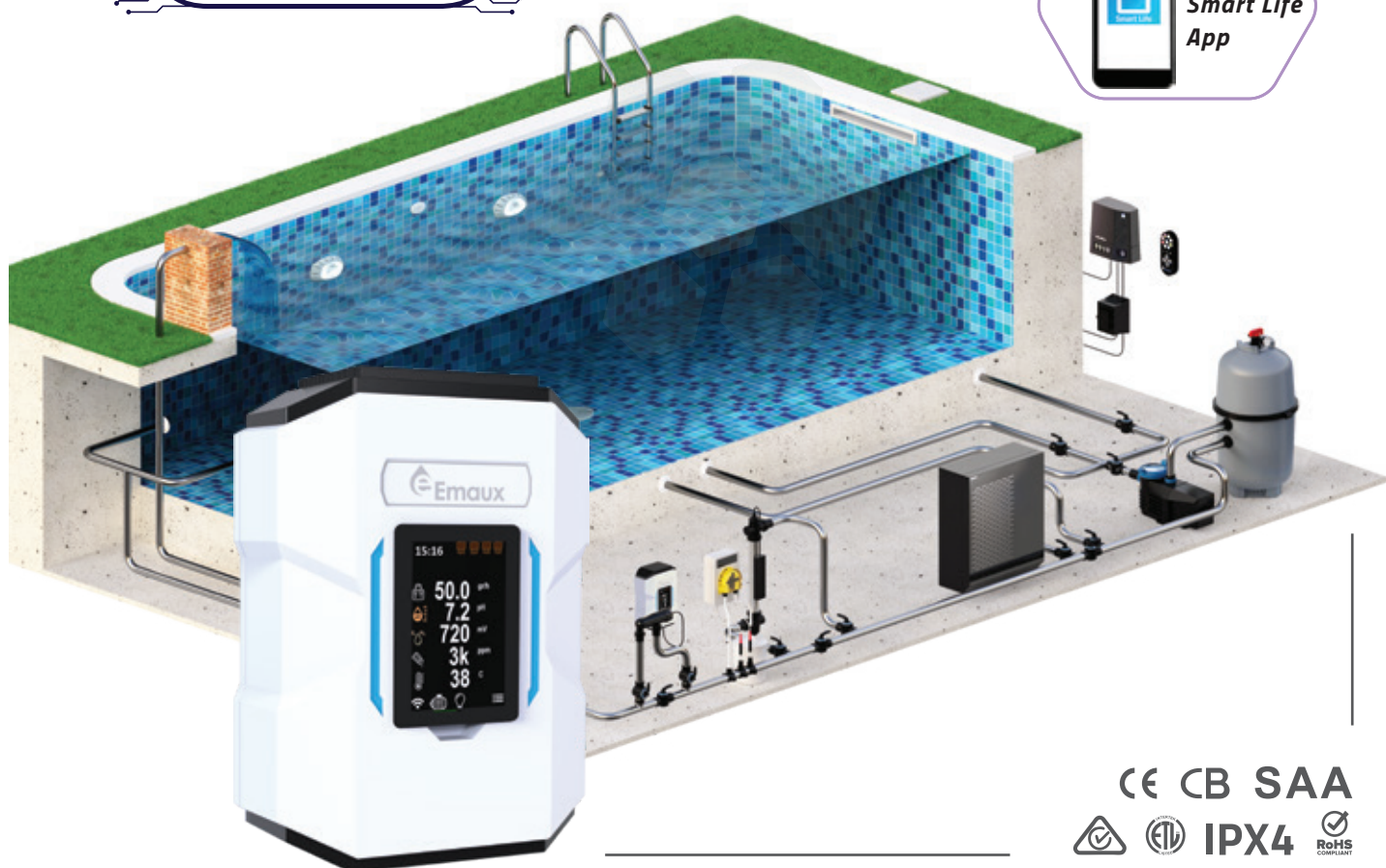
The CyberSync automation system can fully control the following products:

| Pump | Chemical Control | UV Light | Dosing | Light | Heater |

SMART SYSTEMS FOR SUPERIOR WATER QUALITY

The advanced IoT-enabled pool monitoring system enhances your pool maintenance experience. Seamlessly connecting to the Smart Life app, it allows real-time monitoring to achieve optimal water conditions and vibrant effects. The system intelligently responds to sensor readings, automatically controlling your pool pump, disinfection system, and other equipment for the best water quality and safety. The Smart Life app also offers robust scheduling and automation, enabling effortless pool management from anywhere. Experience a smarter, more efficient way to maintain your pool with the Smart Life app.

REAL-TIME ALERTS

PUMP OPERATION STATUS

CONNECTION STATUS ALERTS

REMOTE CONTROL

AUTOMATED SCHEDULING
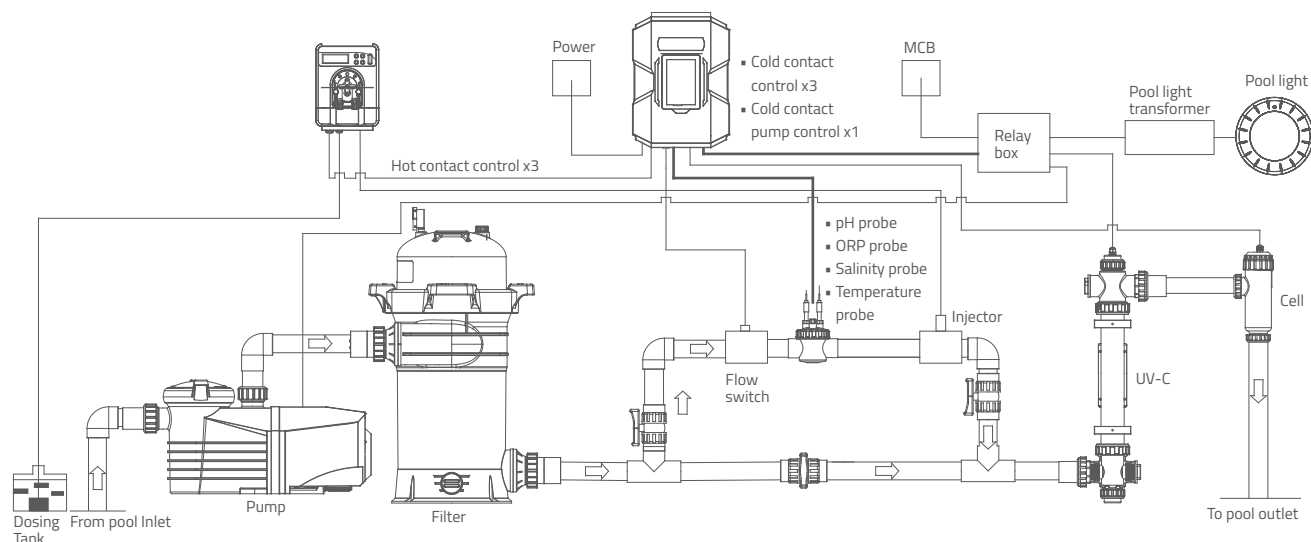
**SEAMLESS INTEGRATION**

DOWNLOAD
THE APP **SMART LIFE**

NEW

GET IT ON
Google Play

Download on the
App Store

Installation Diagram

Power ▪ Cold contact control x3 ▪ Cold contact pump control x1 MCB Pool light transformer Pool light

Hot contact control x3

Relay box

▪ pH probe ▪ ORP probe ▪ Salinity probe ▪ Temperature probe Injector Cell

Flow switch UV-C

Dosing Tank From pool Inlet Pump Filter To pool outlet

FUNCTION	SPECIFICATION
Display	4.3" LCD with Touch control
Cell type (chlorine production)	20 g/h , 30 g/h or 40 g/h
Measurement	pH, ORP, Salinity and Temperature
Device connection	Dosing pump: x 3 (hot contact) @50W Switch: x 3 (cold contact) Pump control: x 1 (colde contact)
Pool cover detect	Detect connetion x 1
Wi-Fi	- 802.11 b/g/n - 2.4 GHz - STA mode supported
Modbus	RS485
Input	220V to 240V AC, 2A max (EU version) 110V to 120V AC, 4A max (US version)

Product Information and Dimension:

Pool Control Station

Cell

Probe holder
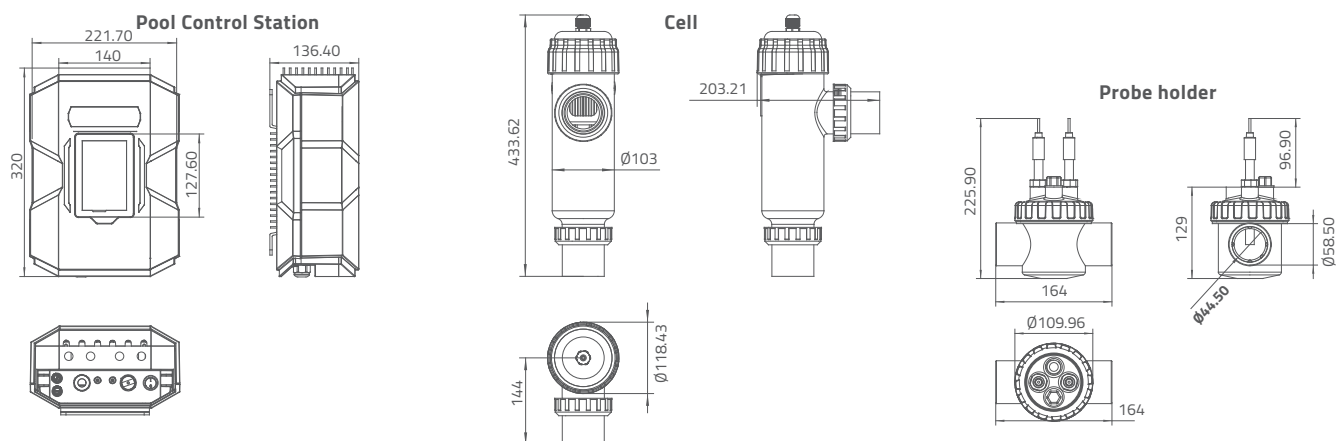
CyberSync Pool Station		Input Voltage/ Frequency (US Version)	Input Voltage/ Frequency (EU Version)	Salt Level	Cell Output (gram/h)	Concrete Pool (m³)	IP Rating	Function
Code	Model							
9130601	CS-A20	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60Hz	3000-5000 ppm	20	60	IPX4	Chlorinator,
9130602	CS-A30	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60 Hz	3000-5000 ppm	30	80	IPX4	Meassurement,
9130603	CS-A40	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60 Hz	3000-5000 ppm	40	100	IPX4	Device connection

CyberSync Salt Chlorinator		Input Voltage/ Frequency (US Version)	Input Voltage/ Frequency (EU Version)	Salt Level	Cell Output (gram/h)	Concrete Pool (m³)	IP Rating	Function
Code	Model							
9130052	CS-20	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60Hz	3000-5000 ppm	20	60	IPX4	Salt chlorinator
9130053	CS-30	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60 Hz	3000-5000 ppm	30	80	IPX4	
9130054	CS-40	110-120V 50 Hz/60 Hz	220-240V 50 Hz/60 Hz	3000-5000 ppm	40	100	IPX4	

Probe and Accessories Specifications

Code	Product Name	Parameter	Photo
106090074	ORP probe	Pressure: 7 bar Material: epoxy Measuring range: -300 to 900 mV (with 3 m signal line) Electrode diametaer: 12 mm	
106090073	pH probe	Pressure: 7 bar Material: epoxy Measuring range: pH 0-14 (with 3 m signal line) Electrode body diametaer: 12 mm	
178818	Salinity probe	Pressure: 7 bar Material: epoxy Measuring range: 1000 to 35000 ppm (with 3 m signal line) Electrode body diametaer: 12 mm	
178817	Temperature sensor	stainless steel wit 3 m cable	
1090010392	ORP buffer solution	256 mV, 30 mL	
109007168	pH buffer solution pH 4 and pH 7	pH 4.0 and pH 7.0, 30 mL	
E130078	Probe holder	PVC transparent	
114145332	Flow switch	Normal open	
620065469	Holder	PVC	

SSCone Salt Chlorinator

For residential and semi-commercial pools

AUTOMATIC SALT CHLORINATOR WITH PH CONTROL & DOSING

Salt chlorinated pools are among the best to enjoy and offer comfortable bathing, but such systems tend to raise pH. The Emaux SSC-one takes the guesswork out of adding the chemicals: its dosing pump injects acid to automatically maintain the correct pH level, and its cell takes care of the chlorine production. Programmed automatically and using the best quality of salt, no harmful by-products are produced. One of the most technically advanced and user friendly salt water chlorinators on the market.

CE RoHS COMPLIANT SAA

Titanium cell with 2 meters cable

Product Features:

1. Timer for pump and programmable cell control.
2. Direct power function.
3. Boost button for super chlorination at 100% power for 24 hours.
4. Visual pH reading, and easy set-up.
5. Capacitive touch buttons control panel.
6. Switch reverse polarity at every 4 or 8 or 12 hours to minimise cell scaling depending on water hardness.
7. Fully automatic or manual operation.
8. Winter mode reduces power to 50%.

Product Dimensions
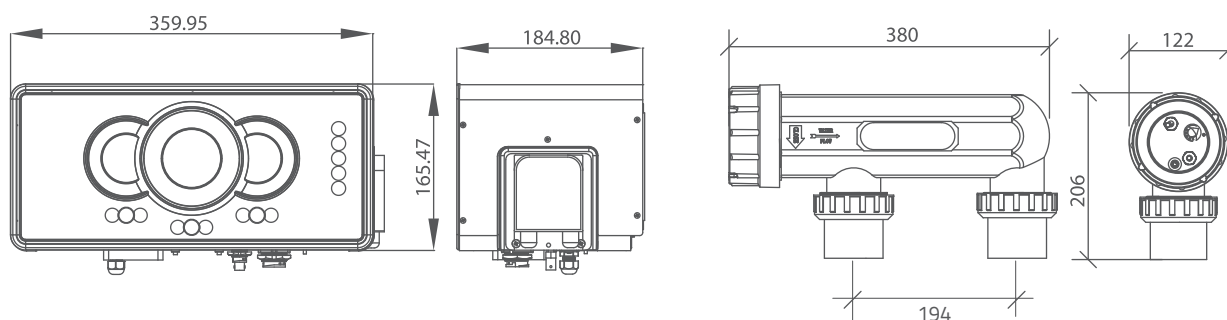
359.95

184.80

165.47

380

122

206

194

Technical Information

Code	Model	Input Voltage/ Frequency	Salt Level	Cell Output	Maximum Pool Size	Cell Connections
88380803	SSCone	220-240V / 50-60Hz	2500ppm	Up to 50gr/hr	Up to 150,000 Liters	1.5" / 50mm or 2" / 63mm

One-Touch Multi-Functional Chlorinator

① A. INNOVATIVE TOUCH PANEL
- Intuitive and visual touch panel with LED indications

B. INTELLIGENT ALERT
- No flow detection
- Low salt alarm
- Cell lifetime alarm
- High heat sink temperature alarm
- pH dosing error

② INTUITIVE MODES
- Automatic or manual mode
- Switch the polarity according to the water hardness
- Winter mode

③ POWER
- Visual and easy reading power output
- Control the chlorine production
- Boost button, sets the system in super chlorination, 100% power for 24 hours

④ TIME
- Easy and intuitive operating system
- Timer for pump and cell programming control
- Two different schedules per day

⑤ PH
- Visual pH reading, and easy set-up.
- Two different indications: current pH and set point
- Automatic control of the pH dosing pump

Accessories

pH Probe

pH Buffer

Superior SSC Series Salt Chlorinator

For residential and semi-commercial pools

NEEDS MINIMUM MAINTENANCE

The Superior SSC represents a significant product upgrade that consolidates many years of design and user experience with salt chlorination. The power supply controller arrives in a fresh and modern design offering a more user-friendly interface together with advanced system protection programs to deal with a wide variety of operating environments. The Superior SSC is an ultimate robust and reliable salt chlorinator for residential pools and semi-commercial pools.

**Titanium cell with 2 meters cable**

Product Features:

1. Three models for different pool sizes: 15, 25, 45g/hr
2. Improved user interface and system status indication
3. Adopts higher operation temperature with upgraded electronic components
4. Programmed for high-temperature protection to prevent system overheating due to high salt level or high ambient temperature
5. Monitors and controls cell output current to prevent overloading and temperature rise
6. Simple display of error messages for easy service:
   - Controller overheating
   - The thermal sensor cable is disconnected
   - AC line fault or fuse is broken.
7. Self-cleaning reverse polarity
8. Quality titanium cells
9. Models with time clock and/or pool light transformer is available

CE RoHS COMPLIANT SAA

Product Dimensions
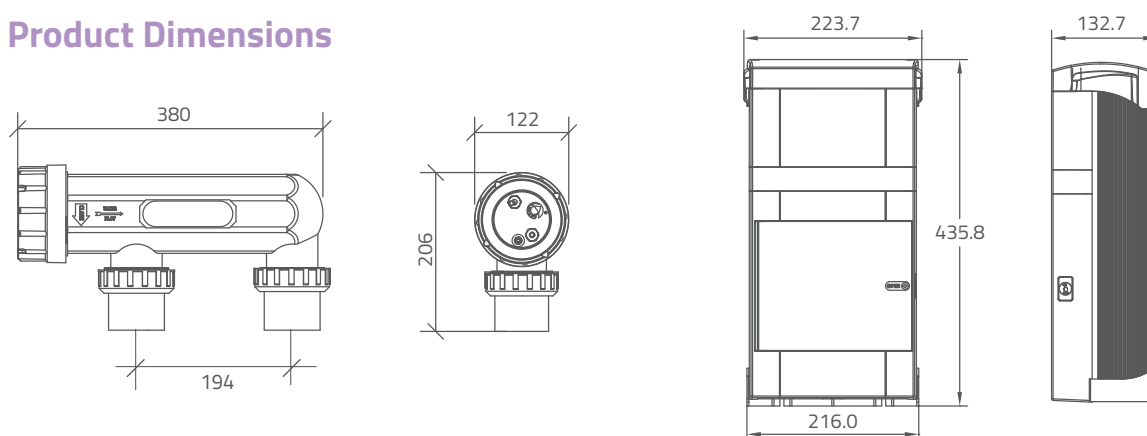
Technical Information

Code 220V/50Hz	Model	Description	Salt Level (ppm)	Cell Output (gram/h)	Fiberglass Pool(L)	Concrete Pool(L)	Pool Light Voltage	Input Voltage /Freq	IP Rating
9130016	SUC15-E		3000-4000	15	50,000	45,000			
9130014	SUC25-E	Standard Version	3000-4000	25	75,000	70,000	N/A	240V 50/60Hz	IPX4
9130019	SUC50-E		4000-5000	45	120,000	110,000			
9130017	SUC15-T		3000-4000	15	50,000	45,000			
9130015	SUC25-T	With Time Clock	3000-4000	25	75,000	70,000	N/A	240V 50/60Hz	IPX4
9130020	SUC50-T		4000-5000	45	120,000	110,000			
9130018	SUC15-TLT	With Time Clock	3000-4000	15	50,000	45,000	12V AC	240V 50/60Hz	IPX4
9130013	SUC25-TLT	& Pool Light Transformer	3000-4000	25	75,000	70,000			

Installation Diagram

Below is the basic diagram of installation for a salt chlorinated pool.
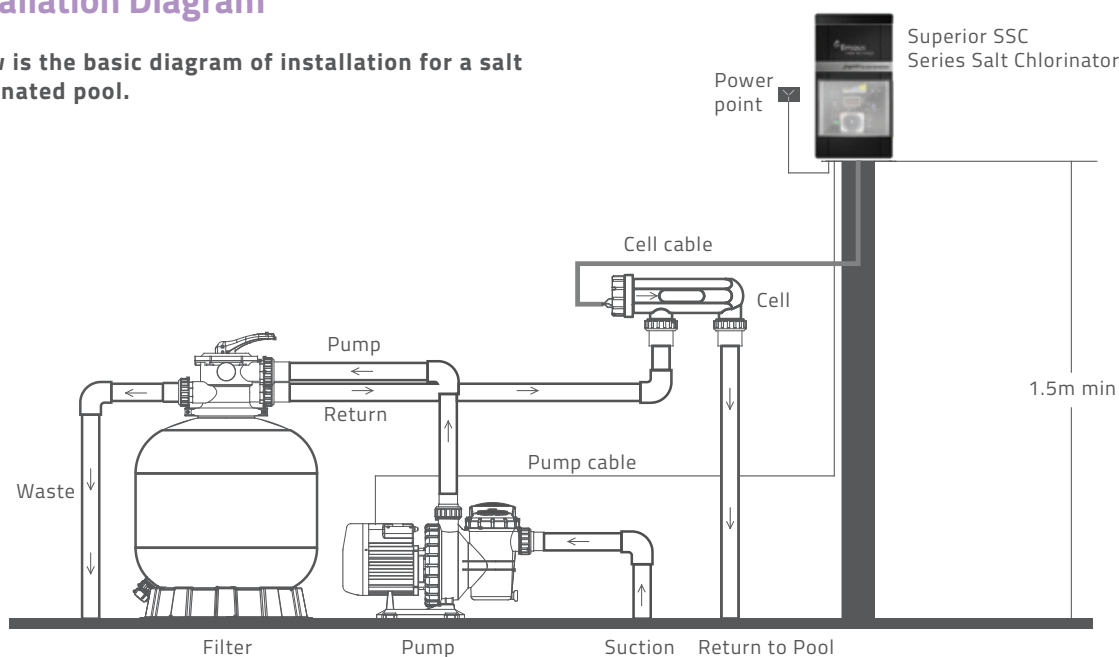
SSC Series Salt Chlorinator

For residential and semi-commercial pools

VARIOUS MODELS FOR DIFFERENT SIZE OF POOL

Salt chlorination is a method of sanitizing swimming pools with chlorine generated by electrolysis. The electrolysis is achieved by passing the saltwater solution through a weak electric charge in an electrolytic cell, which converts sodium chloride (salt) in the water into chlorine gas. The gas is dissolved in the water and becomes sodium hypochlorite (liquid chlorine).

Advantages

Safe and environmentally friendly:

Relaxation: Your pool is automatically disinfected

Safety: Significant reduction in the need to store and handle chlorine

Health and well-being: Saltwater does not irritate the eyes and dries out skin

Cell

Control Unit

CE   SAA

Technical Information

Code 220V/50Hz	Model	Description	Salt Level (ppm)	Cell Output (gram/h)	Fiberglass Pool (L)	Concrete Pool (L)	Pool Light Voltage	Input Voltage /Freq	IP Rating	Weight (kg)
88380601	SSC15-E	Standard Version	4000	15	50,000	45,000	N/A	240V 50/60Hz	IPX4	6.5
88380602	SSC25-E			25	75,000	70,000				7.4
88380603	SSC50-E			45	120,000	110,000				9.7
88380401	SSC15-T	With Time Clock	4000	15	50,000	45,000	N/A	240V 50/60Hz	IPX4	6.6
88380402	SSC25-T			25	75,000	70,000				7.5
88380403	SSC50-T			45	120,000	110,000				9.8
88380201	SSC15-TLT	With Time Clock & Pool Light Transformer	4000	15	50,000	45,000	12V AC	240V 50/60Hz	IPX4	8.4
88380202	SSC25-TLT			25	75,000	70,000				8.8

SSCmini Salt Chlorinator

For modest residential pools

SLEEK AND COMPACT DESIGN

SSC-mini Salt Chlorinator is designed for the residential pools up to 90,000 liters. Using the latest technology, SSC-mini combines an intuitive interface with robust components for extremely user friendly installation and operation. This maintenance free chlorinator represents the best value for money in the market.

Features:

1. Easy to install, maintain and replace
2. Minimum piping modifications for existing installations
3. Maximum working pressure: 2.5 bar
4. Long cell lifetime and economical spare parts available
5. Perfectly suited for magnesium salted pools
6. Affordable spare part

Cell composition

1. Titanium plates for a maximum chlorine production of 20 gram/h
2. Self-cleaning reverse polarity
3. Water flow and temperature sensors
4. Translucent casing with connections for 50 mm / 1 ½" or 63 mm / 2" pipes

Product Information
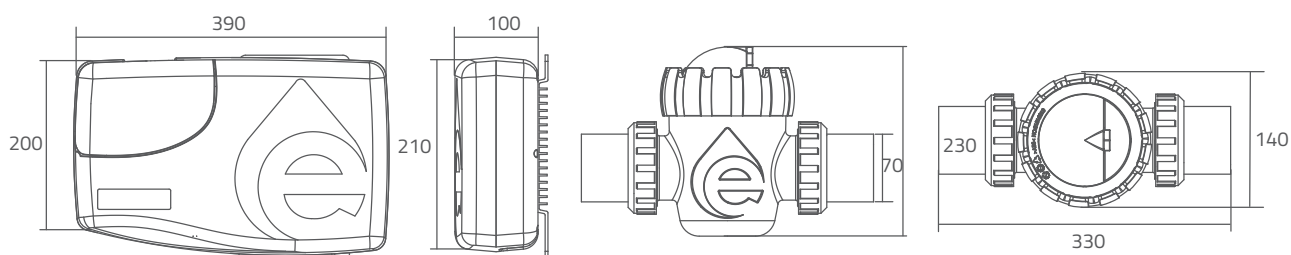
Code	Model	Input Voltage/ Frequency	Salt Level	Cell Output	Maximum Pool Size	Cell Connections
88380702	SSCmini	220-240V / 50-60Hz	4000ppm	20gr/hr	90,000 Liters	1.5" / 50mm or 2" / 63mm

SSCnano Salt Chlorinator

For Above and Inground Pool

COMPACT AND SIMPLE INSTALLATION

Emaux SSCnano is simple to install, with basic plumbing and electrical connections, you can have the system up and running in no time. It is compact and easily fits for pool and spa. Compact design makes it can easily fit into tight spaces without compromising its functionality. The control is designed to be user-friendly, making it easy to set up and operate, allows you to adjust the chlorine production according to your specific needs. You can tailor the chlorine output to maintain the desired sanitization level for your pool or spa.

CE **IPX4**

Product Feature:
- ON/OFF operation
- Water flow switch
- Auto self cleaning reverse polarity
- Temperature sensor
- Long cell life

Salt level alert

Adjustable chlorine production time

Preset timer

Installation Diagram

POOL

POOL TERRE

FILTER

PUMP

Power Supply

3 installation methods:

POOL

Horizontal Installation

Vertical Installation

To pool

Flexi hose connector Installation
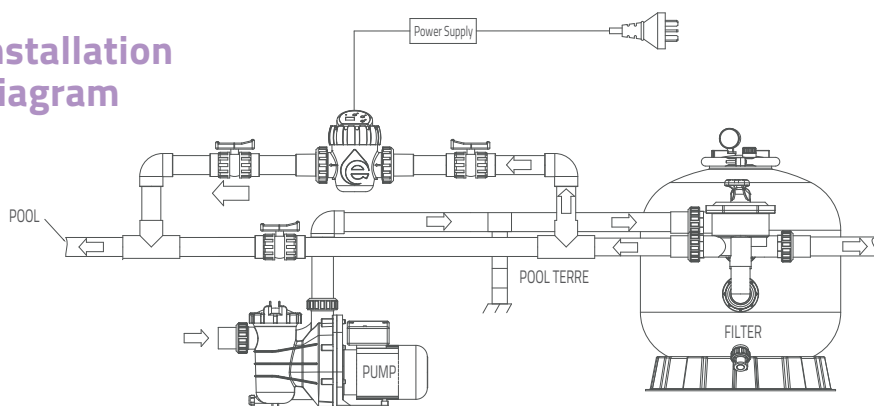
Material
PMMA / ABS

Operation Voltage
110 V – 240 V

Max. pool volume
20 m³ – 50 m³

Salt Level
3500 ppm

Working Temperature
10 – 45 °C

Waterproof Standard
IPX4
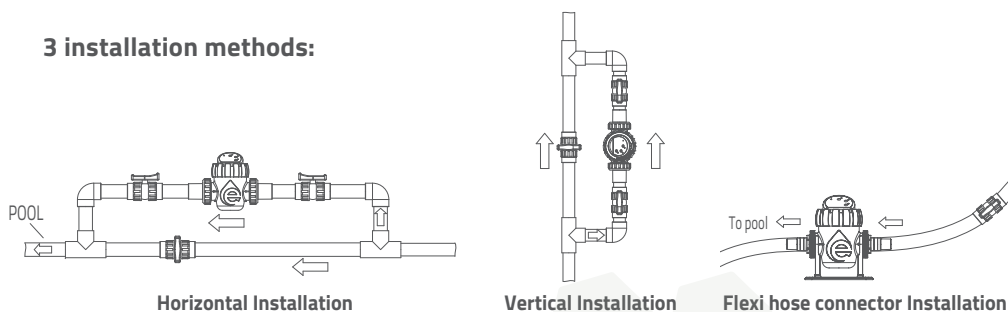
Accessories & Power Supply:

50mm (1½") union

32mm (1¼") & 38mm (1½") Flexi hose connector

Mounting stand

Switch mode power supply

Product Information

310

249

214

105

70

200

138

134

138

134

173

105
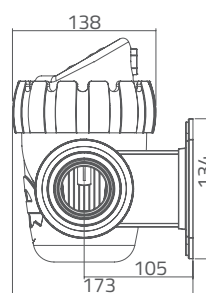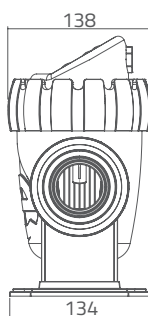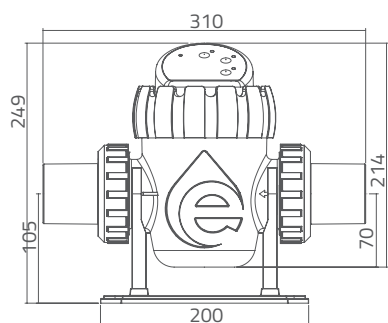
Code	Model	Input Voltage/ Frequency	Salt Level	Cell production rate	Maximum working pressure	Cell Connections	Working Temperature	Min. Flow	Max. Pool Volume
9130045	SSCnano4			4 g/hr		1.5" / 50mm			20 m³
9130046	SSCnano6	110 - 240 V / 50-60 Hz	3500 ppm	6 g/hr	2.5 bar	and 32mm	10-45 °C	3 m³/hr	30 m³
9130047	SSCnano8			8 g/hr		& 38mm			40 m³
9130048	SSCnano10			10 g/hr		union			50 m³

Ozo-Plus Ozone Generator

For pools & spas, water features, and biological filtration

STRONGEST DISINFECTANT AND OXIDISING AGENT

The Ozo-Plus is a very effective water disinfection and sanitation system, up to 3,000 times more powerful as a germicide than chlorine. Ozone not only can almost 100% kill of all bacteria, virus, and fungus in 0.05ppm without toxic residues, but also enhances the effectiveness of sand filter filtration to a crystal-clear water through direct oxidization and decomposition of organic waste. Ozone kills bacterial within 1-10 seconds by oxidative burst occurs over the cell wall during contact and cells die.

Ozone Generator

Air Dryer

System Features:

1. Simple to install and easy to operate
2. Compact design suitable for installation in limited plant room space.

CE

How it works

The system consists of a corona discharge ozone generator and an automatic air dryer unit which can be used in combination to give ozone outputs from 4 – 8 g/h.

Ozone is produced when the air is passed over a ceramic dielectric ozone generating module containing a stainless steel electrode. The module is powered by a high voltage / high- frequency power board. Ozone is injected through a water-driven venturi, which ensures maximum safety against ozone gas leakage.

The air dryer unit contains twin desiccant dryer columns which are automatically heat regenerated controlled by a programmable relay system. When the air dryer system is used, the normal output of the generators is doubled.

Ozone Formation

AIR

DRY AIR

CORONA DISCHARGE

O_3 Ozone

O Oxgen Atom

O_2 Oxgen Molecule
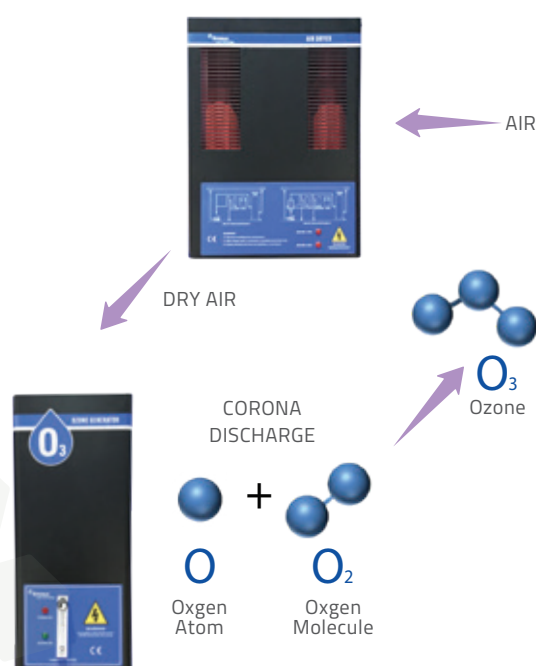
Advantages of using ozone in pool

1. Reduces the use of chlorine or bromine by up to 90%
2. Highly effective against chlorine resistant pathogens, such as cryptosporidium & giardia.
3. Reduces skin and eye irritation
4. Very low trihalomethanes levels
5. By flocculation effect, water clarity is significantly improved.

Product Dimensions and Materials

1. Ozone Generator: mild steel epoxy coated cabinet
2. Cell: Ceramic Tube and 316SS Electrode
3. Air Dryer: mild steel epoxy coated cabinet
4. Dual desiccant array is designed to create negative pressure which is regenerated during heat exchange automatically

Ozone Plus Model	L x W x H	
	mm	inch
Ozone Generator	260 x 180 x 540	9 x 7.1 x 21.3
Air Dryer	390 x 180 x 540	15.4 x 7.1 x 21.3

Air Dryer
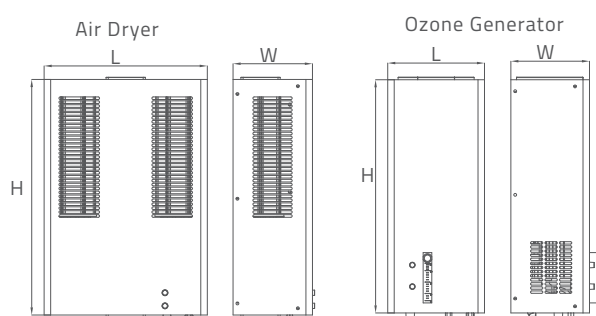
Ozone Generator

Accessories:
Degassing system

Product Information

Code	System Model	Ozone Generator Unit	Air Dryer Unit	Ozone Output (g/h)	Air Flow (l/m)	Ozone Concentration (mg/l)	Maximum Pool Volume (m³)
931135798	OZG-4G	1	1	4	10-15	3.5-4.5	200
931135799	OZG-8G	2	1	8	25-30	3.5-4.5	400

Sacrificial Anode Shield

For pool and spa

PREVENT ELECTROLYTIC CORROSION OF POOL METAL

A zinc sacrificial anode provides a shield that protects bathers from the risk of electric shock, especially in fiberglass pools that lack metal bonding.

Equally, when saltwater chlorinator disinfection systems are used, it prevents electrolytic corrosion of metal pool parts such as stainless steel ladders, heat pump, heat exchangers, UV-C stainless steel casing, stainless steel lighting niches, and face rings, aluminum pump motor housings, and salt chlorinator titanium cell plates.

Main Features:

1. Easy installation design by adding inline to existing 63mm/2" piping system
2. Excellent electric shock prevention in fiberglass pools
3. 4 Bar working pressure
4. Long life pure zinc alloy anode
5. 1m 8 AWG solid copper wire and transparent lid for inspection
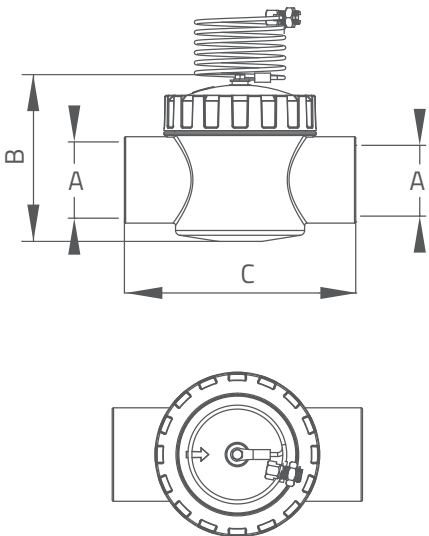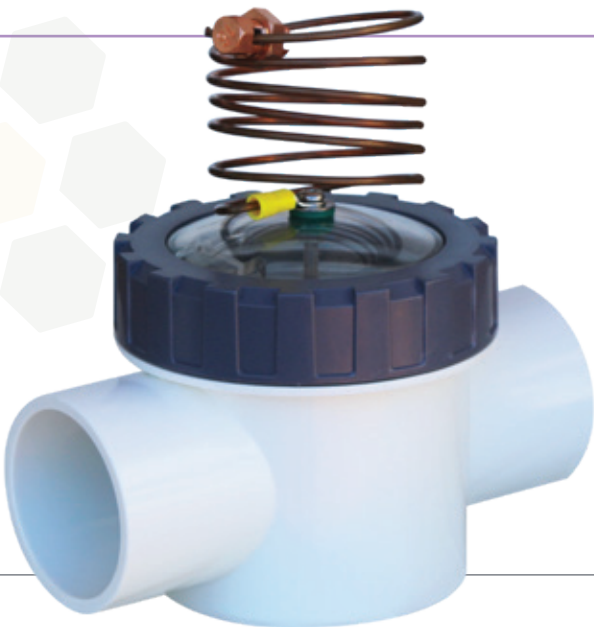
Product Information

| Code	Model	Housing Material	Connection	A (mm)	B (mm)	C (mm)
91602701	DF50-1(E)	ABS & PVC	63mm	Φ63	129	190
91602702	DF50-1(A)	ABS & PVC	2"	Φ60	129	190

How it works

1. Sacrificial Anode Shield is designed to prevent other metals from eroding. This inline zinc anode is already secured in a PVC TEE ready for installation.

2. Once installed, the sacrificial anode will be consumed, instead of erosion / corrosion to other metal components surrounding the pool such as aluminum, stainless steel, cast iron, copper, and titanium.

3. The Sacrificial Anode Shield is tied into the pool bonding wire to protect the entire pool.

4. The anode should be replaced after half of it has been eroded, typically in about three years.

How to install

1. Cut pipe to size of the "TEE" shape shield

2. Glue "TEE" into pipe

3. Connect Copper wire to existing pump ground using split connector
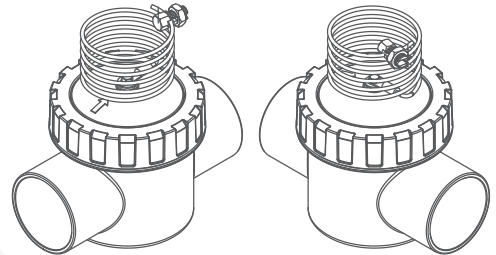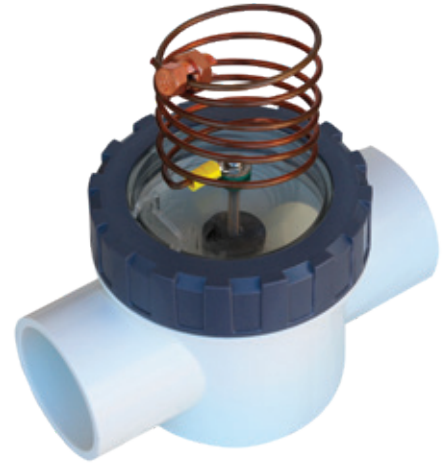
Typical installation and location

The best location for installation of the shield is in the water pipe after the filter and before a pool heater, that would put it before the salt cell. Without a heater, the shield should be put after the filter and before the cell.
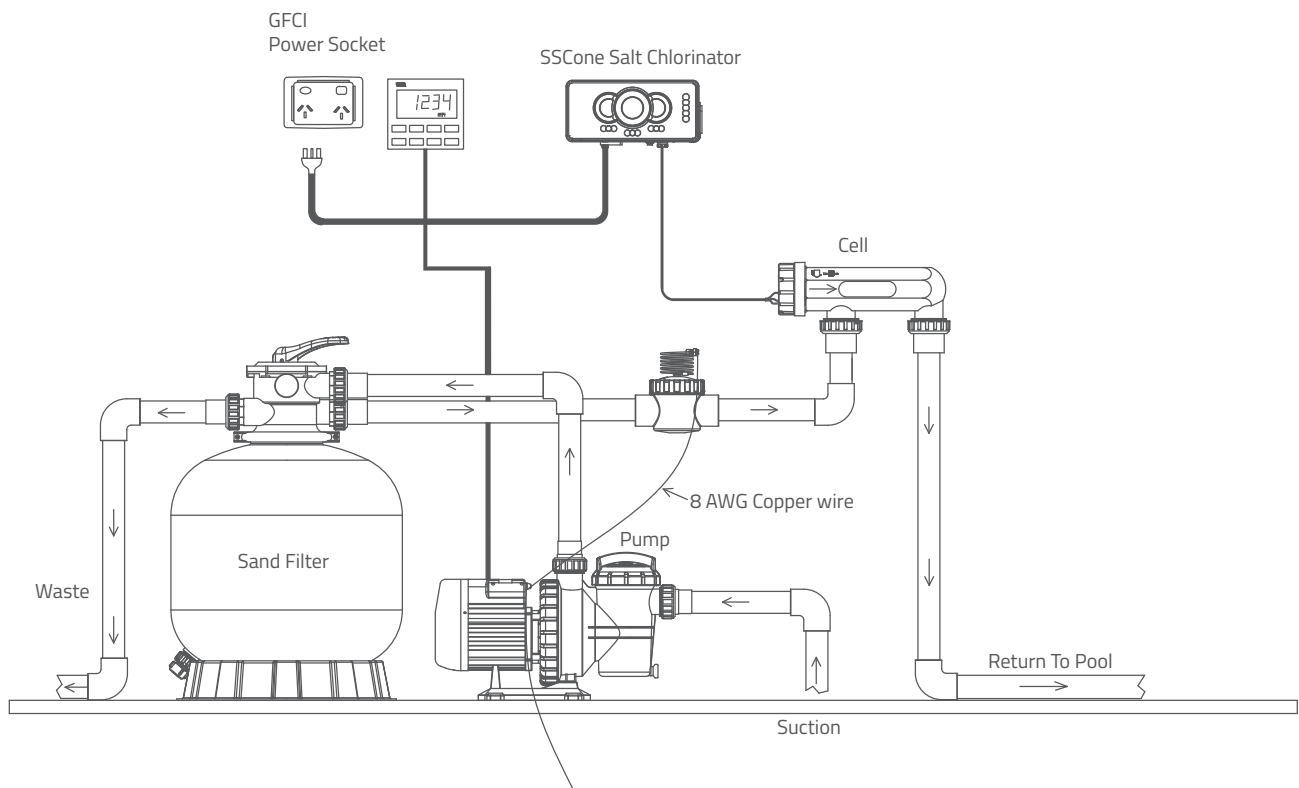
Nano Tech UV-C Disinfection System

For above-ground and residential pools water disinfection

4 models of Nano Tech Series:

NanoTech UV-C Standard **NanoTech UV-C Timer** **NanoTech UV-C With Amalgam Lamps and Flow Switch** **NanoTech UV-C Ozone**

1. NanoTech UV-C Standard
A non-chemical approach to water sanitization, precise and compact design, top performance.

2. NanoTech UV-C Timer
Standard model with a built-in timer to monitor UV lamp operating hours.

3. NanoTech UV-C With Amalgam Lamps and Flow Switch
The amalgam lamp offers virtually constant disinfection performance by its resistance to temperature fluctuations. A flow switch is included to cut off the power when overheating.

4. NanoTech UV-C Ozone
Enhance disinfection performance by combining UV-C technology with ozone production.

NanoTech UV-C ADVANTAGES

1. USER-FRIENDLY
Easy installation and maintenance. The optional timer can control the running operation hours

2. STRONG AND DURABLE
Robust housing in AISI 2205 Stainless Steel for anti- corrosion long life. Professional quality UV lamp offers a life time over 9,000 (to 12,000) hours.

3. HIGH EFFICIENCY
The mirror-polished interior of the housing increases the UV reflection rate and thus enhances the work efficiency by up to 35%.

4. HIGH TRANSMISSION
High-quality quartz sleeve ensures nearly 100% transmission of UV-C at 254nm. It offers protection against air and water flow, breakage, and temperature fluctuations.

Robust Housing   **Mirror-Polished Interior**   **Quartz Sleeve**

5. ENVIRONMENTAL-FRIENDLY
It reduces the chlorine consumption of up to 70%. Also water renewal is reduced due to fewer by-products formed

6. BETTER PROTECTION
The disinfected water is free of unpleasant smells and does not irritate the eyes, because of the significant reduction the number of chloramines. No risk of allergies, and your pool is protected against pathogenic organisms and algae.

CE   RoHS COMPLIANT   SAA

Advantages of using UV-C for water disinfection

At a wavelength of 253.7nm, UV-C light is a very powerful germicide. It deactivates the DNA of bacteria, viruses and other pathogens, destroying their ability to multiply and cause disease.

Ultraviolet technology is a non-chemical approach to pool disinfection. In this method of disinfection, nothing is added which makes this process simple, inexpensive and requiring very low maintenance.

UV-C light is become increasingly favoured by the pool industry for its ability to break down and remove chloramines, which cause eye, skin and nose irritation, and breathing difficulties.
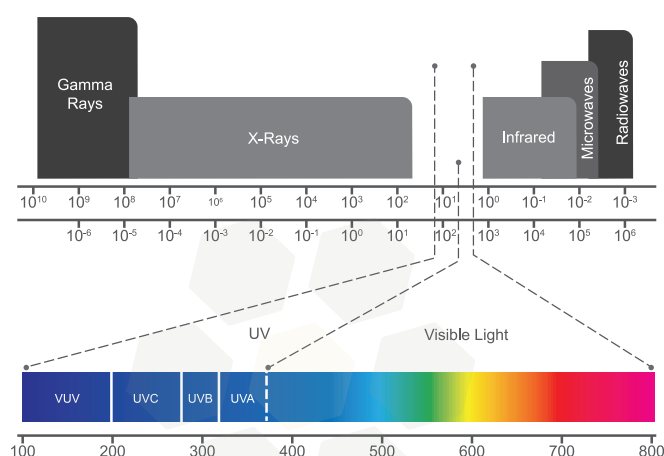
Nano Tech UV-C Standard

These UV systems combine all the benefits listed above in a very compact design. Another advantage is that the lamps are single ended and can be easily replaced.

Main Applications:

1. Residential swimming pools
2. Fish ponds
3. Drinking water

Code 230V	Code 120V	Model	Max.Flow Rate (m³/h)	Pool Vol (m³)	Input Power	Max. Pressure	Connections	Electric Ballast	Max. Current (A)	UV Lamp lifetime (hr.)
88049015	88049115	NT-UV16	7	15	16W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC 50-60Hz	0.29	9,000
88049016	88049116	NT-UV40	20	40	40W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC 50-60Hz	0.29	9,000
88049006	88049106	NT-UV75	25	75	75W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC 50-60Hz	0.57	9,000

Nano Tech UV-C Timer

Emaux Nano Tech UV-C Timer includes an integrated TIMER which accurately monitors the operating hours of the UV-C lamp. You will be reminded when the lamp must be replaced.

Advantages of built-in timer

1. User-friendly control pad with time clock digital display
2. Built-in adjustable timer for the UV-C lamp
3. Digital alert when the lamp needs replacing

Note : "T" stands for Timer

Code 230V	Code 120V	Model	Max.Flow Rate (m³/h)	Pool Vol (m³)	Input Power	Max. Pressure	Connections	Electric Ballast	Max. Current (A)	UV Lamp lifetime (hr.)
88049026	88049126	NT-UV40-T	20	40	40W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC	0.44(120V) 0.2(240V)	9,000
88049027	88049127	NT-UV75-T	25	75	75W	3 bar	1.5"/50mm or 2"/63mm	120-240V AC	0.82(120V) 0.38(240V)	9,000

Nano Tech UV-C
With Amalgam Lamps and Flow Switch

Operating between low and medium pressure UV applications, NanoTech amalgam achieves a high relative power density operating in a broad temperature range. The amalgam version includes a flow switch which will cut-off the lamp power to protect the system from over-heating when the water flow is lower than required. Due to a special coating technology, NanoTech guarantees a continued performance of 85% after 12,000 hours operating in a broad temperature range. A timer version is available as an option.

Main Applications

1. Drinking water system
2. Waste water system
3. Process water treatment unit
4. Swimming pool & spa

Note : "F" stands for Flowswitch, "T" stands for Timer

Code 230V	Model	Max.Flow Rate (m³/h)	Pool Vol (m³)	Input Power	Max. Pressure	Connections	Electric Ballast	Max. Current (A)	UV Lamp lifetime (hr.)
88049029	NT-UV130F	30	130	130W	3 bar	1.5"/50mm or 2"/63mm	240V AC	0.95	12,000
88049030	NT-UV130TF	30	130	130W	3 bar	1.5"/50mm or 2"/63mm	240V AC	0.95	12,000

Nano Tech UV-C Ozone

Emaux Nano Tech UV-C Ozone combines UV-C technology with ozone production ensuring fresh and healthy pool water with the minimum use of chlorine.

Advantages

1. Built-in electronic pre-selector ensure a smooth power supply
2. Up to 35% more UV-C yield as a result of reflection
3. Reduces use of chlorine by up to 80%
4. Ozone UV-C lamp life 12,000 hours
5. Built-in timer for the UV-C lamp
6. Digital alert when the lamp needs replacing

Note : 'O" stands for Ozone, "T" stands for Timer

Code 230V	Model	Max Flow Rate (m³/h)	Pool Vol (m³)	Input Power	Maximum Pressure	Cell Connections	Electric Ballast	Max Current (A)	Ozone UV-C Lamp lifetime (hr.)
88049032	NT-UV87-TO	25	90	87W	3 bar	1.5"/50mm or 2"/63mm	240V AC 50-60Hz	0.5	12,000

UV-C Ozone Operation

The water is pumped into the unit through the reactor. Air is drawn through the venturi system into the unit via the air injector and flows through the quartz glass and the ozone UV-C lamp. The air enters the lamp and is charged with ozone molecules, then passes through the ball valve to be mixed with the water in the reactor.

Water
Air + 20% oxygen
Air + Ozone(O₃)
Air + Ozone(O₃) with hydoxide
Ozone(O₃)
UV-C
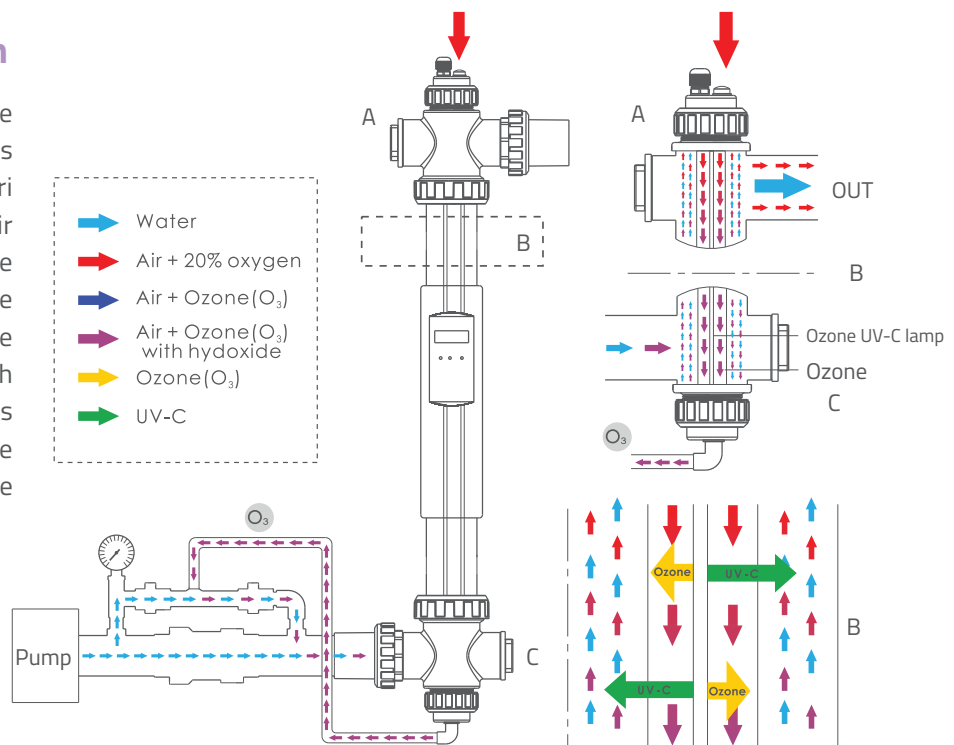
Nano Tech MPUV Disinfection System

For commercial water disinfection and chloramine reduction

LOW COST HIGH UV EFFICIENCY

The NT-MPUV series of medium pressure ultraviolet units is designed for easy installation. The system provides a cost effective solution for disinfection and chloramine reduction in commercial pools.

Medium pressure UV systems are highly effective against highly infectious Cryptosporidium parvum and Giardia lambia species which can exist in swimming pool water. These are virtually unaffected by the levels of chlorine used to sanitise swimming pools. As a direct result of its interaction with pollutants, the chlorine in a pool produces chloramines which cause eye and skin irritation and unpleasant odours.

Medium pressure UV systems reduce the side effects and produce a vastly improved water quality and atmospheric environment.

Main Features:

1. Sustantial reduction in chloramines
2. Medium pressure UV lamps for maximum oxidation
3. Microprocessor control with data logging
4. Connects to building managment systems
5. Automatic "Smartdrive" wiper system as standard
6. Simple lamp replacement
7. 316 L Stainless steel reactor vessel

Main Characteristics:

1. Easy to install with in-line vessel design
2. Higher UV efficiency
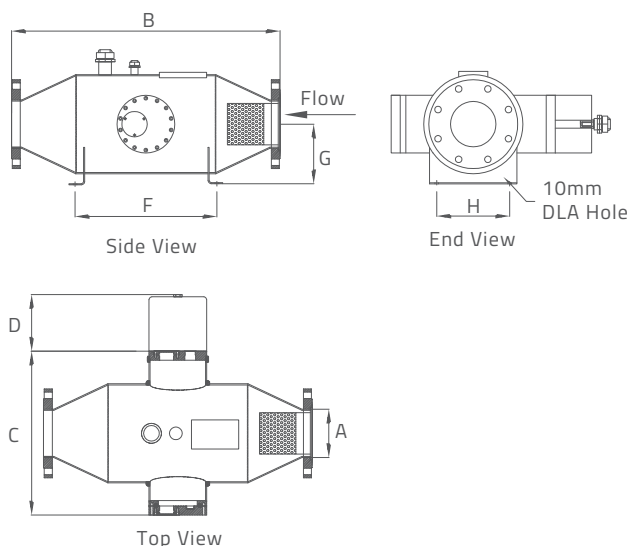3. Typical UVT is 90% at 60 mJ/cm2
4. Lower power consumption

CE

Technical Information and Dimensions
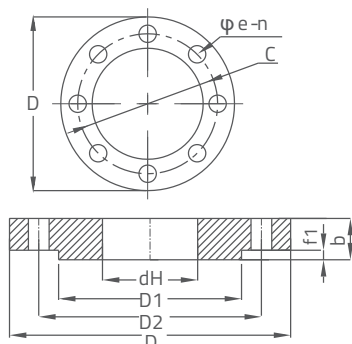
Controller

Length | Width

Height
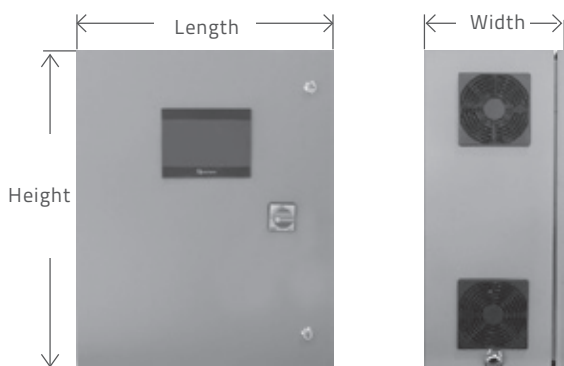
Note: UV intensity mJ/cm^2 requires a 4-20mA signal from a water flow rate measuring device (not supplied)

Reactor

B

Flow

G

Side View

H

10mm DLA Hole

End View

D

C

A

Top View

Flange

φ e-n

C

D

f1

b

dH

D1

D2

D

DN	Model	D (mm)	D2 (mm)	φ e-n	Bolt Specification	D1 (mm)	dH (mm)	f1 (mm)	b (mm)
DN80	3"	200	160	18-8	M16	132	90.5	2	20
DN100	4"	220	180	19-8	M16	156	116	2	22
DN150	6"	285	240	22-8	M20	211	170.5	2	24
DN200	8"	340	295	22-8	M20	266	221.5	2	24
DN250	10"	395	350	22-12	M20	319	276.5	2	26

HG-20592 PN 1.0 Mpa Standard flange size

*Supply rating must be specified with order

Code	Model	Connection	Flow Rate		Lamp Power (kW)	Supply Rating (V/ph/Hz)	Control Panel Dimension mm (LxWxH)	Reactor Dimensions (mm/inch)						
			m³/h	US gpm				A	B	C	D	F	G	H
931135873(220V) 931137883(380V)	NT-MPUV40	DN80	40	175	1.0	200-240/1/50-60 360-380/3/50-60	600x300x600	80/3.0	740/29.1	422/16.6	195/7.7	300/11.8	200/7.9	170/6.7
931135874(220V) 931137884(380V)	NT-MPUV60	DN100	60	264	1.5	200-240/1/50-60 360-380/3/50-60	600x300x700	100/4.0	740/29.1	422/16.6	195/7.7	300/11.8	200/7.9	170/6.7
931135875(220V) 931137885(380V)	NT-MPUV105	DN150	105	460	2.0	200-240/1/50-60 360-380/3/50-60	600x300x700	150/6.0	800/31.5	422/16.6	195/7.7	400/15.7	200/7.9	170/6.7
931135876(220V) 931137886(380V)	NT-MPUV145	DN150	145	640	2.5	200-240/1/50-60 360-380/3/50-60	600x300x700	150/6.0	820/32.3	585/23	195/7.7	400/15.7	275/10.8	250/9.8
931135877(220V) 931137887(380V)	NT-MPUV170	DN150	170	750	3.0	200-240/1/50-60 360-380/3/50-60	600x300x700	150/6.0	820/32.3	585/23	195/7.7	400/15.7	275/10.8	250/9.8
931135878(220V) 931137821(380V)	NT-MPUV220	DN200	220	970	2x2.0=4.0	200-240/1/50-60 360-380/3/50-60	700x300x1100	200/8.0	890/35.0	422/16.6	195/7.7	450/17.7	225/8.8	250/9.8
931135879(220V) 931137822(380V)	NT-MPUV300	DN200	300	1320	2x2.5=5.0	200-240/1/50-60 360-380/3/50-60	700x300x1100	200/8.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13
931135880(220V) 931137823(380V)	NT-MPUV355	DN250	355	1560	2x3.0=6.0	200-240/1/50-60 360-380/3/50-60	700x300x1100	250/10.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13
931135881(220V) 931137824(380V)	NT-MPUV415	DN250	415	1825	2x3.5=7.0	200-240/1/50-60 360-380/3/50-60	700x300x1100	250/10.0	890/35.0	585/23	195/7.7	450/17.7	275/10.8	330/13

MEDIUM-PRESSURE (MP) AND LOW-PRESSURE (LP) UV LAMP

A medium-pressure (MP) UV lamp (400w-10000W) has higher sterilization efficiency and shorter sterilization time than a low-pressure (LP) lamp (below 320W).
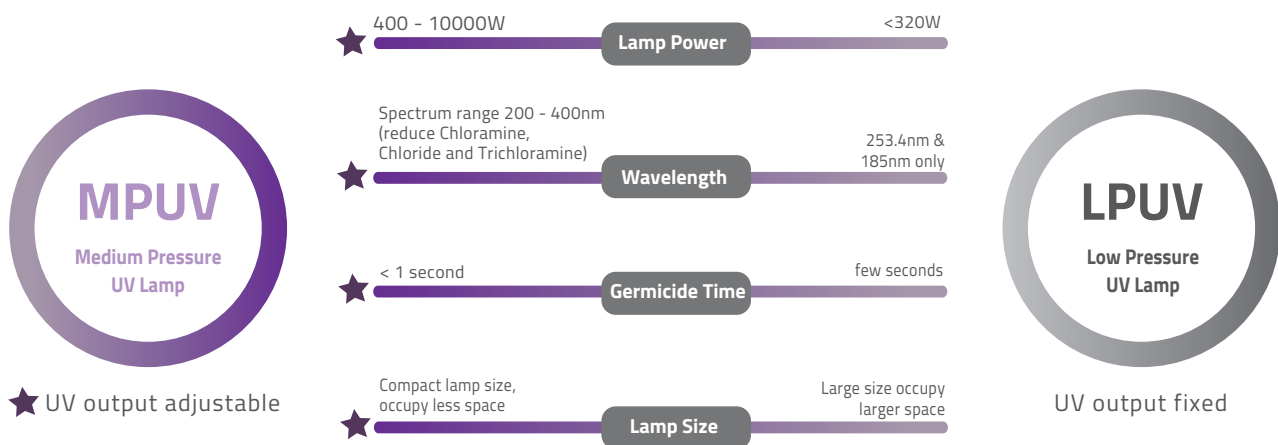
MPUV lamp has wider wavelengths, illumination in the range of 200–400 nm, and is effective for the removal of bacteria, viruses, chloramines, chlorides, and trichloramine. So they are suitable for use in public swimming pools. The low-pressure UV lamp can only emit a single wavelength at 254 nm, limiting the field of use.

Also, the MPUV lamp greatly reduces the size of the UV reactor and the number of UV lamps used, so the volume is relatively small. In contrast, low-pressure (LP) UV lamps are longer in size as wattage increases, so a slightly higher power low-pressure UV system needs more place.

The control system of the MPUV lamp can automatically adjust the energy of the UV output, while that of the LPUV lamp cannot.

MP vs LP UV Lamp Comparison

MPUV lamp has wider wavelengths, illumination in the range of 200–400 nm, and is effective for the removal of bacteria, viruses, chloramines, chlorides, and trichloramine

MPUV
Medium Pressure UV Lamp

★ UV output adjustable

LPUV
Low Pressure UV Lamp

UV output fixed

400 - 10000W	**Lamp Power**	<320W
Spectrum range 200 - 400nm (reduce Chloramine, Chloride and Trichloramine)	**Wavelength**	253.4nm & 185nm only
< 1 second	**Germicide Time**	few seconds
Compact lamp size, occupy less space	**Lamp Size**	Large size occupy larger space

FOS Series UV-C Disinfection System

For fish ponds and aquaculture

ACHIEVE UP TO 98% STERILIZATION RATE

FOS series UV-C disinfection system effectively destroys bacteria and other microbes that pass through the ultra-violet illuminated tube resulting in bacteria-free and purified water for your fish pond.

1. High-quality UV-C lamp achieves up to 98% sterilization rate
2. Long-life UV-C lamp has a long lifespan over 10,000 hours
3. High-quality quartz tube provides more than 99% transmittance rate

FOS-UV-14T

FOS-UV-5T

Product Features:

1. Adjustable brackets for easy and flexible installation
2. Available in 50Hz or 60Hz with 220V
3. Four models 15W, 25W, 30W and 55W for fish pond volumes up to 14m³

Product Information

Code	Model	Flow rate (m³/h)	Fish Pond (m³)	Input Power (W)	Connection
88046317	FOS-UV-5T	4	5	15	1.5"/ 50mm or 2" / 63mm
88046318	FOS-UV-7T	6	7	25	1.5"/ 50mm or 2" / 63mm
88046319	FOS-UV-8T	8	8	30	1.5"/ 50mm or 2" / 63mm
88046320	FOS-UV-14T	10	14	55	1.5"/ 50mm or 2" / 63mm

Model	A (mm)	B (mm)	C (mm)	D (mm)
FOS-UV-5T	694	431	365	166
FOS-UV-7T	694	431	365	166
FOS-UV-8T	1144	881	365	166
FOS-UV-14T	1144	881	365	166

Typical Installation
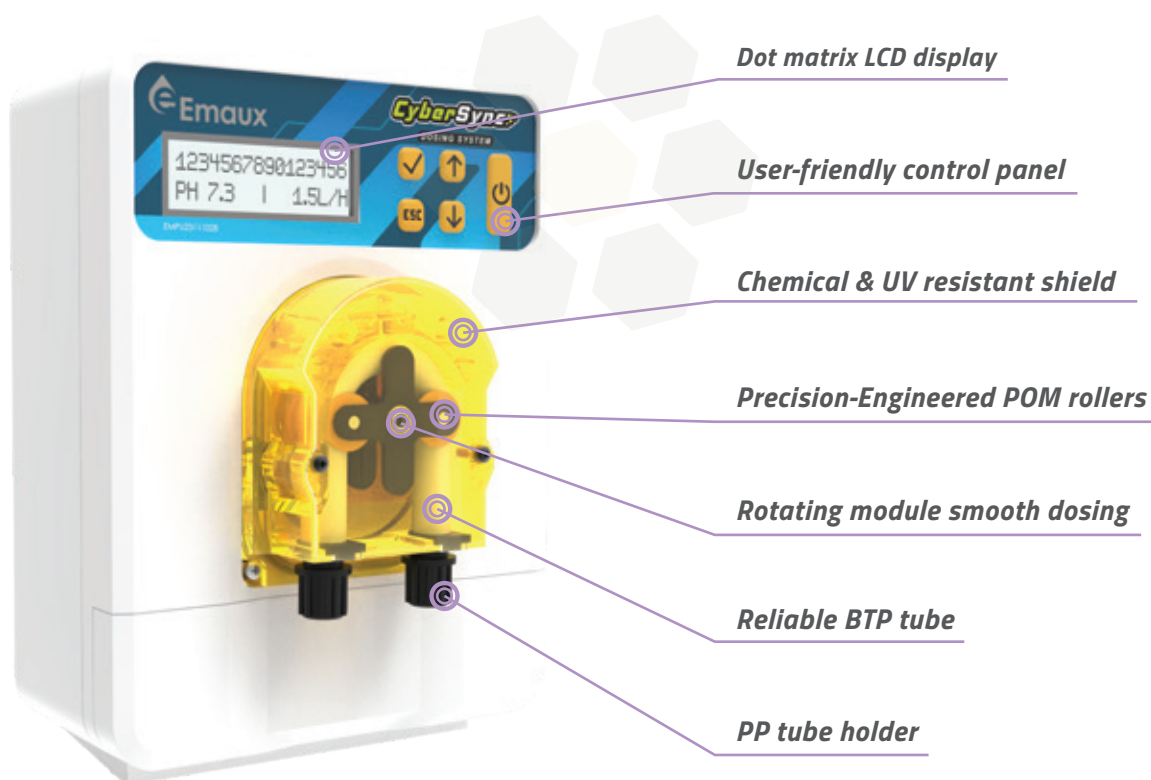
Filter

Pump

Fish Pond
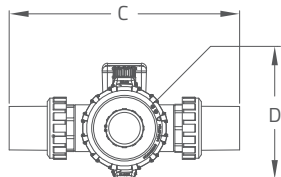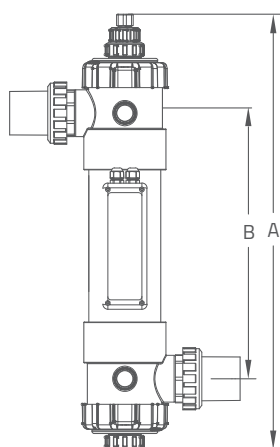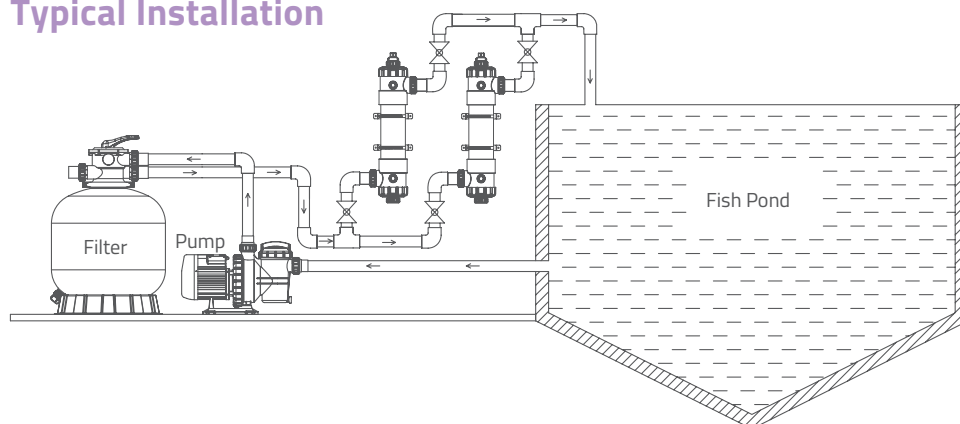
CyberSync Series Dosing System NEW

For measurement of the PH, Redox / ORP value

ACCURATE AND RELIABLE

The Emaux "CyberSync" Peristaltic Dosing Pump series is indeed a groundbreaking addition to pool maintenance technology. Designed for swimming pools ranging from 30m² to 150m², it offers three versions: Core-Pro, Core-Plus, and Core, with five different models to cater to various needs. Utilizing peristaltic technology, these pumps ensure precise and reliable dosing, keeping pools balanced and sanitized. The user-friendly control panel, chemical-resistant BTP tube, and durable shield enhance its dependability. Additionally, its wide voltage range (110V to 240V) simplifies installation across different electrical systems, making it an excellent choice for maintaining a crystal-clear pool.

Dot matrix LCD display

User-friendly control panel

Chemical & UV resistant shield

Precision-Engineered POM rollers

Rotating module smooth dosing

Reliable BTP tube

PP tube holder

CE CB SAA IPX4 RoHS COMPLIANT

Technical Overview:

Chemical Concentration:	
Liquid Chlorine up to 30%	
Muriatic acid up to 40%	
Sulfuric acid up to 40%	

Operating Voltage:	110-240V 50/60Hz
Max Dosing Rate:	3 L/hour
Consumption:	20 watt
Pressure:	1.5 bar [22 psi]
Strainer / injector Tube Size:	4 x 6 (mm) tube

Core-Pro Version

 pH | ORP | WATER LEVEL | ALARM | ONE TOUCH CONTROLLER

The Emaux CyberSync Core-Pro is an advanced peristaltic dosing pump designed for seamless automatic dosing. It integrates with Emaux pH or ORP probes, ensuring precise and comprehensive dosing automation. Additionally, it supports external connectivity for pump control, level probes, alarms, and other dosing pumps, offering a straightforward and complete automation solution for various dosing requirements. This makes it an excellent choice for maintaining optimal water quality with minimal manual intervention.

Model:	DP300-X
Display:	LCD (Dot Matrix)
Depoly Probe:	ORP or pH
External connection*:	Pump, Alarm, Level sensor

*Max power for external dosing pump: 50w

Code	Model	Pressure bar [psi]	Max dosing rate L/hour	Measurable range	Operating voltage v	Input power w
9130113	DP300-X-ORP	1.5 [22]	3	ORP: 300 to 900mV	110-240	20
9130117	DP300-X-PH	1.5 [22]	3	pH4 - pH10	110-240	20

Core Version

Model: DP300

Display: LED

The Emaux CyberSync Core is indeed a versatile dosing solution designed for ease of use. It allows users to effortlessly adjust the dosing rate, ensuring precise control over chemical levels.

Code	Model	Pressure bar [psi]	Max dosing rate L/hour	Operating voltage v	Input power w
9130116	DP300	1.5 [22]	3	110-240	20

CORE-PLUS VERSION

The Emaux CyberSync Core-Plus is a fantastic solution for maintaining optimal pool chemistry! Its automatic dosing feature for ORP and pH control, along with the user-friendly LED display, makes it easy to monitor and adjust water quality in real-time. Whether you choose the ORP or pH version, this device ensures that your pool remains in perfect balance, providing a hassle-free experience for pool owners.

Model:	DP300-ORP
Display:	LED
Probe:	ORP

Model:	DP300-PH
Display:	LED
Probe:	pH

Code	Model	Pressure bar [psi]	Max dosing rate L/hour	Measurable range	Operating voltage v	Input power w
9130114	DP300-ORP	1.5 [22]	3	ORP: 300 to 900mV	110-240	20
9130115	DP300-PH	1.5 [22]	3	pH4 - pH10	110-240	20

Product Dimensions

160

220

108.2

104.9

34.7
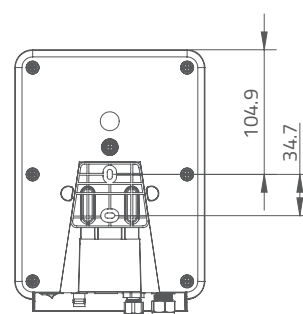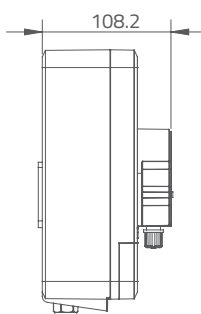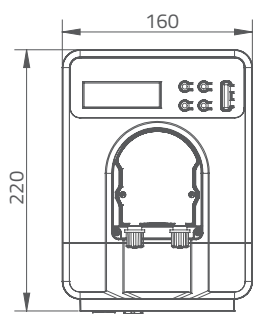
Installation Diagram
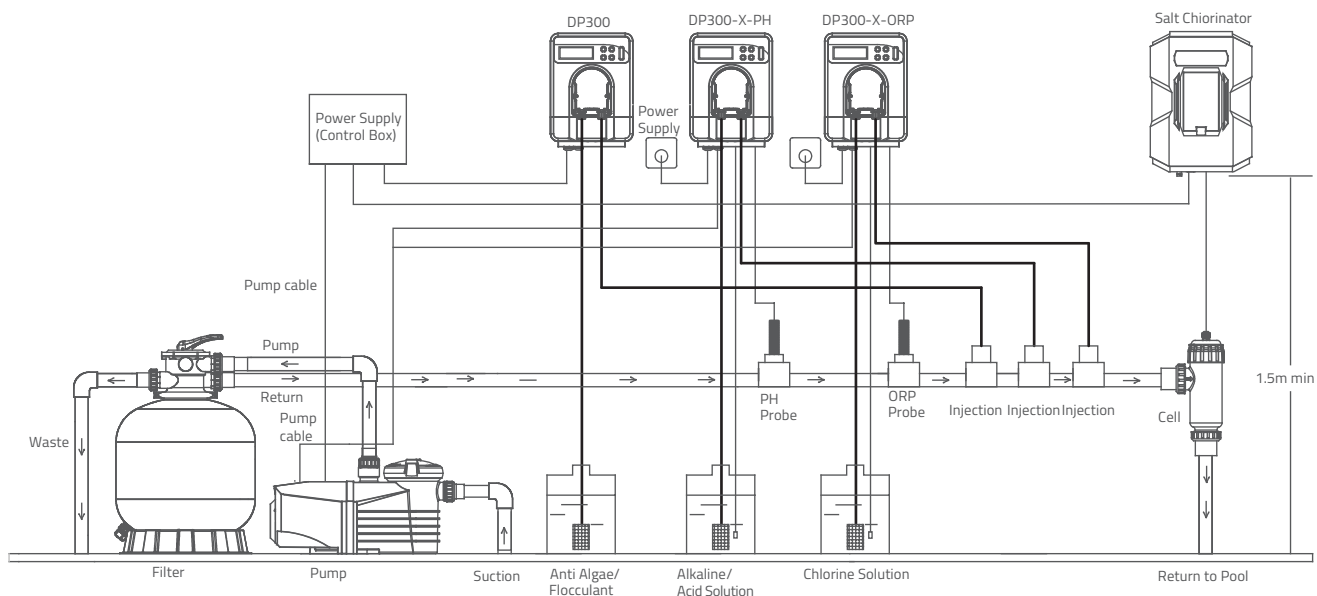
Probe and Accessories Specifications

| Code	Product Name	Parameter	Photo	DP300-X-ORP	DP300-X-PH	DP300-ORP	DP300-PH	DP300
106090074	ORP probe	Pressure: 7 bar Material: epoxy Measuring range: -300 to 900mV (with 3m signal line) Electrode diametaer: 12mm		✓	✗	✓	✗	✗
106090073	pH probe	Pressure: 7 bar Material: epoxy Measuring range: 0- 14 (with 3m signal line) Electrode body diametaer: 12mm		✗	✓	✗	✓	✗
106090075	Probe holder	½" male thread		✓	✓	✓	✓	✗
1090010392	256 buffer solution	256mV, 30mL		✓	✗	✓	✗	✗
109007168	pH probe buffer solution pH4 and pH7	pH 4.0 and pH 7.0, 30mL		✗	✓	✗	✓	✗
E130104	Dosing pipe fitting	Pressure: 7 bar PE Tube: 4x6 tube x 1 pc PVC Tube: 4x6 tube x 1 pc PVDF Injector: ½" meal thread x 1 pc PVDF strainer: with valve x 1 pc		✓	✓	✓	✓	✓
104130040	Level probe	With 2m signal line		✓	✓	✗	✗	✗
540200008	Wall mount holder	With screw		✓	✓	✓	✓	✓

CTRL Series Solenoid Driven Metering Pump

For measurement of the PH, Redox / ORP value

CTRL4/CTRL7/ CTRL20-PH/ORP

CTRL4/CTRL7/CTRL20

161

248

151
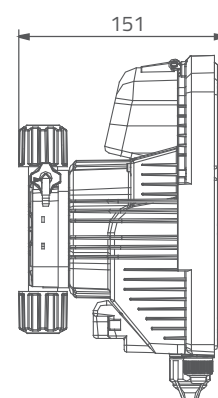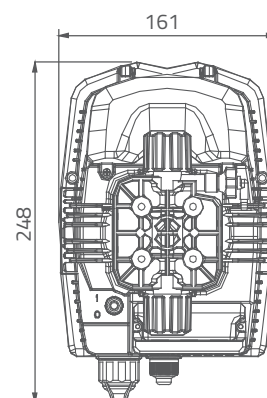
HIGH-ACCURACY AUTOMATIC DOSING / MANUAL DOSING

CTRL4/CTRL7/CTRL20-PH/ORP has an automatic monitoring system that measures the PH value and Redox / ORP value of water through the relative voltage of probes and injects the chemicals to the required set-point. Digital metering pump with pH/Redox control meter on board. Adjustable manual control with proportional dosing flow rate for correct pH & Redox management.

CTRL4/CTRL7/CTRL20 series has a compact, clean design, easy to install and operate. Unlike the above models, it requires adjusting the chemical dosing manually.

Main Features:

1. 16-word dual-line LCD screen, full working status
2. Display automatic recording and storage
3. 2 options: a) Built-in ph/ORP monitor or b) Dosing only
4. Pump flow control is automatically determined according to monitor pH / ORP value
5. PH, ORP, flow and other automatic/manual calibration
6. Level gauge input interface, low level alarm Flow meter input telematic control
8. Password protection

Code	Model	Pressure (bar)	Max Flow/ Hour (l/h)	Stroke Capacity (cc/stroke)	Connection Size in/out (mm)	Frequency max (stroke/min)	Input Power (W)
9318658	CTRL4	12	4	0.42	4 / 6	160	20
		10	5	0.52	4 / 6	160	20
88490405	CTRL4-PH	12	4	0.42	4 / 6	160	20
		10	5	0.52	4 / 6	160	20
88490406	CTRL4-ORP	8	6	0.63	4 / 6	160	20
		2	8	0.83	4 / 6	160	20
9318659	CTRL7	12	7	0.38	4 / 6	300	40
		10	10	0.55	4 / 6	300	40
88490505	CTRL7-PH	12	7	0.36	4 / 6	320	40
		10	10	0.52	4 / 6	320	40
88490506	CTRL7-ORP	5	15	0.78	4 / 6	320	40
		1	18	0.99	4 / 6	320	40
9318660	CTRL20	5	20	1.11	8 / 12	300	40
		4	32	1.78	8 / 12	300	40
88490605	CTRL20-PH	5	20	1.11	8 / 12	300	40
		4	25	1.39	8 / 12	300	40
88490606	CTRL20-ORP	2	38	2.11	8 / 12	300	40
		0.1	54	3	8 / 12	300	40

WT500 Series

Dual Parameter Water Quality Monitor

T500 series water quality monitor can simultaneously measure pH & ORP value by a built-in dual parameter. It automatically controls the chemical dosage when partnered with the CTRL4/CTRL7/CTRL20 dosing pump.

Model:	WT500PR
Code:	9318661
Measuring Range:	pH 0-14.0 & ORP 0-1500mV
Applicable pool area:	Standard Pool
Diaplay:	Double line LCD
Input Voltage/Frequency:	220-240Vac 50/60Hz
Size:	234X162X108mm
Meterial:	PP
Waterproof Standard:	Ip65
Installation:	Wall mounted
Standard Accessories:	pH probe/ORP probe/Calibration solution/ Probe mounting connector

Highlight Features:

1. Simple and convenient parameter setting
2. Timed proportional dosing(PWM function)
3. Remote alarm relay
4. LCD diaplay
5. 4-20mA current output (isolated)

Working Features

The dosing pump is activated by a PTFE membrane mounted on a piston and electro-magnet. When the piston is attracted by the electromagnet, pressure is produced in the pump body and the liquid is expelled from the discharge valve. Once the electric impulse is finished a spring brings the piston back to the initial position, with a recall of liquid through the suction valve.

LED indicators on the control panel monitor the dosing pump by electronic micro-control technology. Easy operation without lubrication, makes it almost maintenance free.

Note: The CTRL series of dosing pumps is based on an electronic micro-controller, strong and reliable components manage the pH or ORP parameters.

Probe and Accessories Specifications

Code	Product Name	Parameter	Photo
87990300	pH probe	Pressure: 7bar Material: epoxy resin Measuring range: 0-14 (With 6m signal line) Electrode diameter: 12mm (Includes probe holder)	
87990301	ORP probe	Pressure: 7bar Material: epoxy resin Measuring range: 1200mV (With 6m signal line) Electrode diameter: ± 12mm (Includes probe holder)	
87990302	pH probe buffer solution	2 bottles of buffer solution of pH (pH4.00 and pH7.00) +1 bottle for buffering	
87990303	ORP probe buffer solution	1 bottle of ORP buffer solution (256mV) for 50ml bottle	
87990306	Dosing pipe fittings for CTRL4/ 7	Pressure: 7bar Material: PVC Screw size: ½" The maximum resistance at: 60	
87990304	Dosing pipe fittings for CTRL20		
87990305	Fixing Accessories	Vertical base and wall mounting accessories	

Chemical Feeder
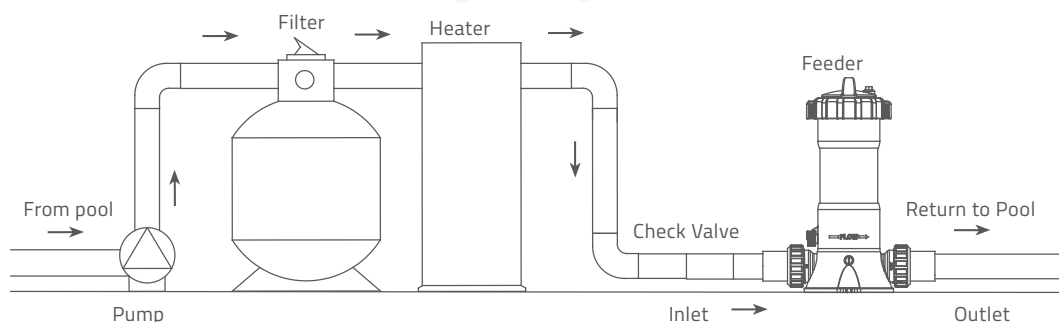
For residential and commercial pools

MAINTAINS CHLORINE LEVEL AUTOMATICALLY

Emaux high capacity feeders offer a user-friendly solution for sanitizing large residential and commercial swimming pools using either chlorine or bromine tablets. They are heavy duty and able to provide automatic sanitization for pools up to 608,000 liters. Both in-line and off-line plumbing installations are available in 2 sizes.
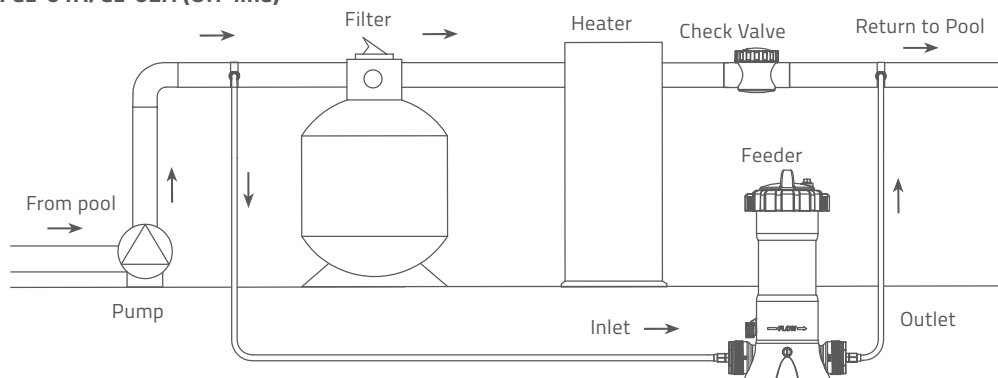
Installation

1. Model: CL-01/CL-02/CLL-50/CLL-75 (In-line)

Filter Heater Feeder

From pool Check Valve Return to Pool

Pump Inlet Outlet

2. Model: CL-01A/CL-02A (Off-line)

Filter Heater Check Valve Return to Pool

From pool Feeder

Pump Inlet Outlet

Treats pool / spa size (Unit: Litre, in a period of 24 hours)

MODEL:
CL-01 & CL-02 (In-line)

MODEL:
CL-01A & CL-02A (Off-line)

MODEL:
CLL-50 & CLL-75

MODEL: CL-01 (In-line)
10 ppm ----- 25000L pool
5 ppm ------- 50000L pool
2.5ppm ----- 100000L pool

MODEL: CL-01 A (Off-line)
10 ppm ----- 45000L pool
5 ppm ------- 90000L pool
2.5ppm ----- 180000L pool

MODEL: CLL-50 (In-line)
10 ppm ----- 95000L pool
5 ppm ------ 190000L pool
2.5ppm ----- 380000L pool

MODEL: CL-02 (In-line)
10 ppm ----- 27000L pool
5 ppm ------- 54000L pool
2.5ppm ----- 108000L pool

MODEL: CL-02A (Off-line)
10 ppm ----- 49000L pool
5 ppm ------- 98000L pool
2.5ppm ----- 196000L pool

MODEL: CLL-75 (In-line)
10 ppm ----- 152000L pool
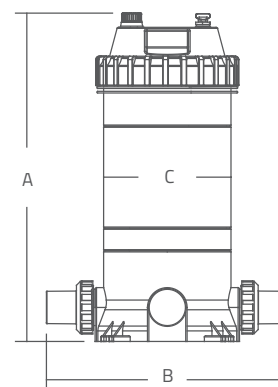5 ppm ------- 304000L pool
2.5ppm ----- 608000L pool

Product Dimensions and Technical Information
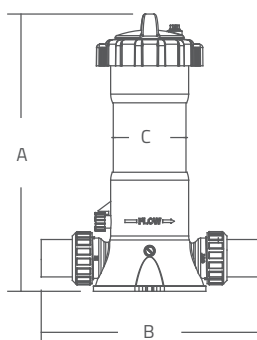
Model: CL-01 & CL-02 (In-line)
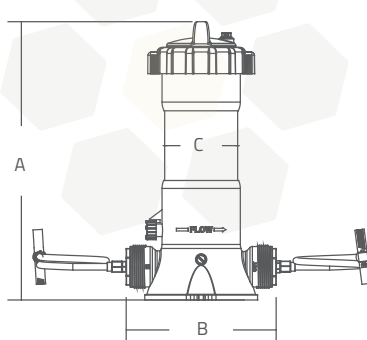
Model: CL-01A & CL-02A (Off-line)

Model: CLL50 & CLL-75

Code	Model	Chlorine Tablet Specification	Quantity (pc)	Total Weight (kg)	Valve Connection		A (mm)	B (mm)	C (mm)
88440207	CL-01	Ø30x16mm/pc Ø76x26mm/pc	102 11	2	1.5"	50mm	420	330	110
88440217	CL-02	Ø30x16mm/pc Ø76x26mm/pc	198 22	4	1.5"	50mm	705	330	110
88440208	CL-01A	Ø30x16mm/pc Ø76x26mm/pc	102 11	2	-	10mm	420	230	110
88440218	CL-02A	Ø30x16mm/pc Ø76x26mm/pc	198 22	4	-	10mm	705	230	110
88440302	CLL-50	Ø30x16mm/pc Ø76x26mm/pc	300 32	6	1.5"	50mm	580	440	225
88440303	CLL-75	Ø30x16mm/pc Ø76x26mm/pc	550 50	11	1.5"	50mm	760	440	225

This feeder can ONLY be used with slow-dissolving Tri-Chlor.
Do NOT mix with other type of chlorine or chemical, otherwise, it may cause an explosion or fire.

Emaux

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