

Water Treatment

Viron eQuilibrium Chlorinator System

Features

- 4 sizes to suit all pools
- 3 Models to suit all budgets
- Upgrade from semi automatic pH control through to full chlorine and pH sensing and control
- Ai mode for total pool control
- Suitable for salt, mineral and AcquaTherapé Pools

Viron eQuilibrium Salt Chlorinator

Certikin's new Viron eQuilibrium Salt Chlorinator brings a new benchmark in efficiency, control, convenience and reliability. To be accurate, salt or minerals don't sanitise the pool, chlorine does. Salt or minerals, when dissolved into your pool water are converted by the Viron eQuilibrium Salt Chlorinator into chlorine which sanitises your pool. The salts or minerals, in roughly the same solution as a tear drop, pass through the electrolytic plates in the Viron chlorinator cell to form chlorine which kills all the contaminants within the pool and prevents bacteria and algae from forming.

But the process of producing the chlorine from salt or minerals actually increases the pH of your pool water.

When the pH increases, the chlorine becomes less effective, requiring ever higher levels of chlorine to keep your water crystal clean. The Viron eQuilibrium Salt Chlorinator incorporates a very smart algorithm that doses pH adjuster to match the amount of sanitiser produced and balance the pH of your pool. This is achieved in the most cost effective way as no pH sensor is required. Small adjustments are made by manually testing the water and adjusting the pH output.

The Viron eQuilibrium Chlorinator System incorporates a peristaltic pump and connections to automatically feed the pH adjuster in measured doses eliminating the need to manually handle and dose acid.



Incorporating all the functions of the eQuilibrium System, the eQuilibrium 2 Chlorinator has an pH sensor to maintain the perfect pH level. Different pool surfaces have different ideal pH levels. With the

Viron eQuilibrium Chlorinator your pH is sensed every 15 minutes and the appropriate measure of pH adjuster is accurately dosed by the inbuilt peristaltic pump. Simply replenish your pH adjuster once a month or even longer and let Viron eQuilibrium 2 Chlorinator System sanitise and balance your pool water pH.



Salt Chlorinators - Commercial Models

Code	Description	Price Euros €
EQ18	eQuilibrium chlorinator 18qm/hr	
EQ25	eQuilibrium chlorinator 25qm/hr	
EQ35	eQuilibrium chlorinator 35qm/hr	
EQ45	eQuilibrium chlorinator 45qm/hr	
EQSKPH	pH sensor kit	
EQSKCL	Cl sensor kit	

	EQ18	EQ25	EQ35	EQ45
Chlorine Output hr	18gm/hr	25gm/hr	35gm/hr	45gm/hr
Pool volume ltrs Temperate Climate	50,000	96,000	130,000	170,000
Pool volume Tropical Climate	40,000	60,000	80,000	105,000

Sufficient sanitiser ensures the destruction of pathogens, bacteria and algae that are harmful to swimmers. Too much sanitiser can be harmful to your pool interior, pump, filter and heating equipment. Viron eQuilibrium 3 System continually senses the sanitiser level with sophisticated pure gold sensor while the micro processor receiving this information reacts by modulating the output of the electrodes that produce the sanitiser. The result is the perfect level of sanitiser that quickly reacts to varying environmental conditions and pool use. When the family goes for a swim the sanitiser is quickly used up.

When fully optioned with eQuilibrium 2 and 3 sensors, the Ai mode can be selected. Ai mode eliminates the traditional method of setting a time clock and hoping the pump operates for sufficient time to remove the organic material and sanitise the pool. When connected to a compatible Viron eVo pump (see page 45), selecting Ai mode automatically controls the pump flow rate, hours of operation, sanitiser production and pH balance. Not only is the whole filtration and sanitation now handled automatically, Ai mode continually monitors the pool water sanitiser level and instantly turns the pump flow rate up reactivating the sanitiser production whenever there is a sudden drop in the correct levels due to an influx of bathers.

Salt Chlorinators

Certikin Salt Chlorinator

Certikin salt chlorinators are self-regulating with no need to adjust the power settings. Salt is an eco-friendly solution as it is a naturally occurring product and safer to handle than chlorine. Salt destroys airborne chloramines and is ideal for use on indoor pools. Salt produces less TDS than other sanitisers as it contains no additions.



Chlorsalt

Code	Description	Price Euros €
PES0110	Certikin D-10 salt chlorinator for pools up to 40-60m ³ (produces 10g/hr of chlorine)	
PES0120	Certikin D-18 salt chlorinator for pools up to 60-90m ³ (produces 18g/hr of chlorine)	
PES0130	Certikin D-25 salt chlorinator for pools up to 90-135m ³ (produces 25g/hr of chlorine)	

- Self cleaning titanium electrode in transparent cell
- Requires a salt concentration of between 4000 and 6000 ppm
- 63mm connections - order imperial fittings as required
- Microprocessor control
- Programmable self cleaning
- Check compatibility of heating equipment
- Typical cell replacement required every 2-3 years

Chlorsalt With pH Control

PES0140	Certikin salt chlorinator with pH control (produces 10g/hr of chlorine)	
PES0150	Certikin salt chlorinator with pH control (produces 18g/hr of chlorine)	
PES0160	Certikin salt chlorinator with pH control (produces 25g/hr of chlorine)	

- Salt chlorinator with integral pH controller
- Comes with pH probe (range 0-14pH) and 0.5" adaptor fitting
- Does not include probe housing, pH dosing pump, tank or bund
- Requires a salt concentration of between 4000 and 6000 ppm
- Self cleaning titanium electrode in transparent cell
- Programmable self cleaning
- Check compatibility of heating equipment
- 63mm connections

SaltExpert

Manual dosing with liquid or granular chlorine can be haphazard and overdosing can cause eye and skin irritation and strong chlorine odours. SaltExpert chlorinators continuously generate the precise level of chlorine required – all you need to do is top up the salt level occasionally.

Convenience

Chlorine output can be adjusted and operating hours pre-set from the touchpad. There can be one regime for weekdays, and another for weekends, when pool use is likely to be heavier. Even backwashing your filter can be managed from the controller.

Self-cleaning

With an intelligent software program, the SaltExpert will reverse the polarity of its plates for self-cleaning, thus extending the cell's working life and virtually eliminating maintenance.



Salt Expert

Code	Description	Price Euros €
PS46051	Salt Expert Salt Chlorinator for pools up to 70m ³ 15g/h	
PS46052	Salt Expert Salt Chlorinator for pools up to 110m ³ 25g/h	
PS46053	Salt Expert Salt Chlorinator for pools up to 135m ³ 30g/h	
PS46054	Salt Expert Salt Chlorinator for pools up to 180m ³ 45g/h	

Salt Chlorinators - Commercial Pools



Certikin offer a full range of Commercial Salt Chlorinators with Chlorine outputs from 50g/h to 500g/h. Please contact us for more information and sizing.

Salt Chlorinators - Commercial Models

Code	Description	Price Euros €
PESC40	Model 50EX 50g/h	
PESC65	Model 80EX 80g/h	
PESC100	Model 120EX 120g/h	
PESC150	Model 180EX 180g/h	
PESC250	Model 300EX 300g/h	
PESC500	Model 600EX 600g/h	

Salt Chlorinators - Commercial Models

Code	Description	Price Euros €
PESC40+	Model 50EX 50g/h with integrated pH/ORP control	
PESC65+	Model 80EX 80g/h with integrated pH/ORP control	
PESC100+	Model 120EX 120g/h with integrated pH/ORP control	
PESC150+	Model 180EX 150g/h with integrated pH/ORP control	
PESC250+	Model 300EX 300g/h with integrated pH ORP control	
PESC500+	Model 600EX 600g/h with integrated pH/ORP control	

Description	PESC40	PESC65	PESC100	PESC150	PESC250	PESC500
Standard working voltage	230 VAC / 50-60 Hz			380VAC / 50-60 Hz		
Output (dc)	25 A	40 A	65 A	90 A	150 A	300 A
Production (g/h)	40-50	65-80	100-120	150-180	250-300	500-600
Cell line connections	Flanged D63			Flanged D 90		
Flow detector	Gas Detector					
Salinity / Temperature range	4-6 g/l +15 - 40°C					
Electrodes	Self cleaning coated Titanium. Estimated lifetime: 10,000-12,000 hours of operation (depending on water quality)					
Production control	0-100%					
Polarity switch	Programmable from control panel: 2/4 hours + test mode (2 minutes)					
External control	Input for potential free contact for ORP/RESIDUAL CHLORINE control Input for potential free contact for REMOTE STOP					

Prozone - Eco Master - Chlorine Free Treatment For Residential Pools & Spas

Eco Master

Light years ahead of the Traditional UV-C and Ozone

The Eco Master combines state-of-the-art UV-C germicidal with Ozone and Advanced Oxidation Processing (AOP) all in one compact system for pools and spas for the most powerful non-chemical, non-chlorine / bromine, non-mineral operation of the pool.

Pool and spa owners are discovering the benefits of Advanced Oxidation Processing (AOP), creating healthy and sparkling water, with no harmful by-products. Eco-friendly Ozone and Hydroxyl Radicals are created on site, using Advanced Oxidation for the most effective sanitisation system available. Ozone and Hydroxyls are created inside the unit, and then injected into the water flowing through a pure quartz glass tube where it goes to work, oxidising and precipitating the water, destroying contaminants it comes in contact with, making it clean as pure drinking water.

Benefits

- Complete Oxidation of Organics and Chloramines
- Destroys Toxic Organics and Chemicals
- Converts Oils To Filterable Solids
- Compatible With All Chemicals, pH Neutral
- Provides High ORP and Peroxide Residual
- Reverts Back to Oxygen
- Eliminates Odours and Scaling
- Eco Master is UR Component Recognised by Underwriter's Laboratories Inc
- Patented Advanced Technology, Innovative Design Like No Other

Please note, although the Eco Master is a chemical free cleaning of the water in the plantroom, a background sanitiser is required inbetween treatments. Any questions please contact the Export Department for clarification.

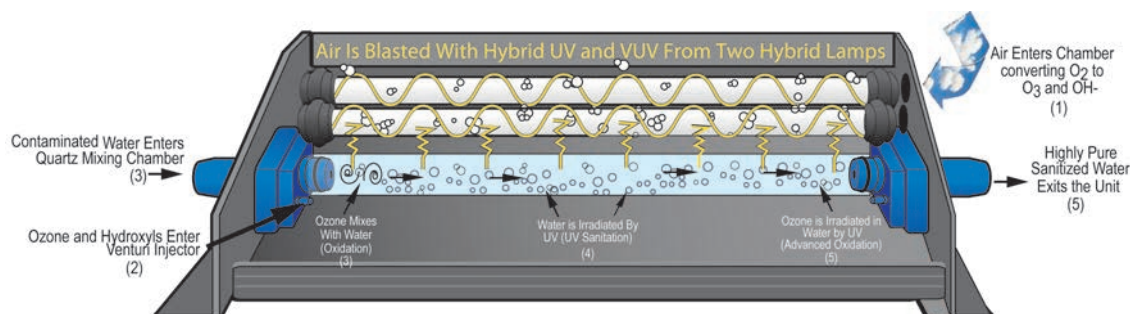


Prozone Eco Master

Code	Description	Price Euros €
PZEMPOOL	Eco Master for domestic pools up to 33,200 gallons (150m3)	

Prozone Eco Master

Code	Description	Price Euros €
PZEMSPA	Eco Master for domestic spas up to 666 gallons	



How It Works...

1. Air enters the unit where the Hybrid lamp converts it to Ozone (O_3) and Hydroxyls (OH^-)
2. Water enters the unit through the Dynamic Venturi Injector drawing O_3 and OH^- from the Hybrid lamp chamber
3. Static mixer combines water, O_3 and OH^- in a scrambled flow
4. Water is irradiated by Germicidal UV-C which converts O_3 to Hydroxyl Radicals and Peroxides through Advanced Oxidation Processing
5. Contaminants are destroyed by intense Germicidal UV-C, Ozone and Hydroxyl Radicals, using up the Ozone and adding ORP and residual sanitation to the water.

Prozone Ozone Generators – Combined Ozone / Salt System

CSS10 & CSS15 Series - Venturi Driven

- Optimised for maximum performance
- Complement each other for cost effectiveness
- Universal system for pools up to 40,000 gallons
- Lowest salt concentration available
- Prozone 'first to patent' ozone- chlorine bypass combination
- Low cell current
- Prozone uses advanced oxidation and pure O₃ Ozone, a natural form of oxygen
- Advanced hybrid ozone generator
- Universal bypass installation kit, easy retrofit
- Maintenance-free cell, easily serviced without removing bypass
- Only 2,000-2,500ppm salt required
- Bypass installation - no cutting of the main return.



CSS5 Ozone & Salt Complete Sanitisation

- Generates a consistent chlorine residual
- Ozone & chlorine compliment each other
- Less dosing and handling of chemicals
- Low salt, low current cell (only 2,000- 2,500ppm salt)
- Hands-free chlorine residual
- Completely automatic oxidation and sanitation



Certikin Prozone Combined Ozone / Salt Chlorinator

Code	Description	Price Euros €
PZCSS10E	CSS10 Ozone & salt chlorinator unit. Combines Venturi driven prozone with salt chlorinator. Rated up to 55m ³ . C/W adjustable saddle clamps	1
PZCSS15E	CSS15 Ozone & salt chlorinator unit. Combines Venturi driven prozone with salt chlorinator. Rated up to 150m ³ . C/W adjustable saddle clamps	

Certikin Prozone Combined Ozone / Salt Chlorinator

Code	Description	Price Euros €
PZCSS5-2	CSS5-2 Spa combined Ozone & salt chlorinator. For domestic spas up to 3.8m ³ C/W fitting kit	

Specifications	PZCSS10E	PZCSS15E	PZCSS5-2
Electrical	240 VAC / 50/60Hz / 180 Watts		
Arc life (nominal)	20,000 hours	20,000 hours	20,000 hours
Arc lamp	Dual Hybrid Arc Tube		
Chlorine output	10 grams/hour max	20 grams/hour max	4 grams/hour max
Salt levels	2,000-2,500PPM		
Chlorine cell	High Impact Clear Housing		
Size	455mm x 250mm x 115mm/ 455mm x 250mm x 100mm		102mm x 203mm x 230mm
Shipping Weight	Approx 5kg	Approx 10kg	Approx 4.5kg
Electrode material	Titanium with Noble Metal Coating of Ruthnium Oxide and Iridium		
Cell cleaned by	Auto Reverse (chemical injection point for manual cleaning) Ozone Diffusion		

Prozone Ozone Generators - Compressor Driven Models

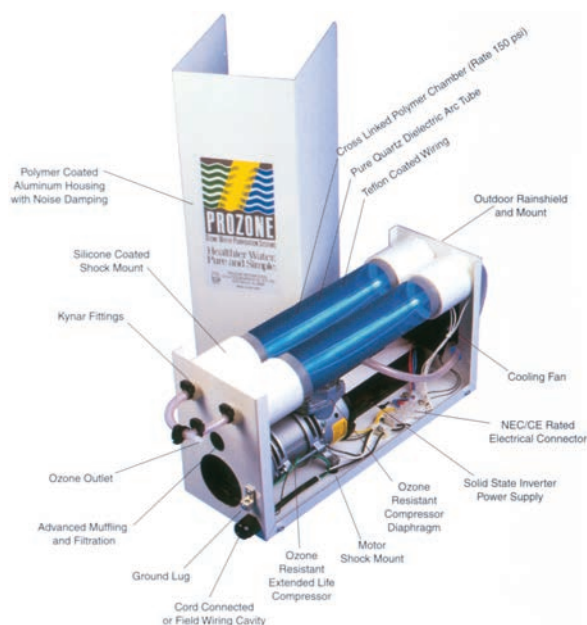
PZ2 - 1 & 2 Compressor System for Pools, In-Ground Spas and Commercial Water Purification Systems

The PZ2-1 & 2 are fitted with high output compressors for maximum ozone production. Installation is fast and easy by simple saddle connection to the return line. They feature our patented bypass for optimal ozone absorption and extended system life. A degassing column is available to remove excess air bubbles

Certikin Prozone Ultra Violet Ozone Unit - Compressor Driven

Code	Description	Price Euros €
PZ2-1	PZII-1 Ozonator compressor driven C/W adjustable saddle clamps	
PZ2-2	PZII-2 Ozonator compressor driven C/W adjustable saddle clamps	
PZ2-4	PZII-4 Ozonator compressor driven C/W adjustable saddle clamps	
PZ2-6	PZII-6 Ozonator compressor driven	
PZ2-8	PZII-8 Ozonator compressor driven	
PZ2-12	PZII-12 Ozonator compressor driven	
PZ2-16	PZII-16 Ozonator compressor driven	

Specifications	PZ2-1	PZ2-2
Electrical	230 VAC / 1.5 amps 345 Watts	230 VAC / 2.1 amps 483 Watts
Shipping Weight (approx)	8.3kg	9.5kg
Size	152mm x 228mm x 533mm	
Air Flow	20 CFH or 40 with Bypass Venturi	
Arc Life (nominal)	20,000 hours	20,000 hours
Max Ozone Output	12 grams/day	24 grams/day
Ozone Contact Density	.5mg/litre	1mg/litre
Compressor Life (nominal)	20,000 hours	20,000 hours
Storage Temperature	-1°C – +70°C	-1°C – +70°C
Operating Temperature	+4°C – +57°C	+4°C – +57°C



Sizing for Pools & Spas	Chlorine	Bromine
PZ2-1 (for Pools)	20,000 gallons (90m³)	10,000 gallons (45m³)
PZ2-2 (for Pools)	40,000 gallons (180m³)	20,000 gallons (90m³)
PZ2-1 (for Spas)	800 gallons (3.6m³)	400 gallons (1.8m³)
PZ2-2 (for Spas)	1600 gallons (7.2m³)	800 gallons (3.6m³)

Certikin Prozone Ultra Violet Ozone Units - Rack Mounted

Code	Description	Price Euros €
PZ2-24	PZII-24 Ozonator compressor driven	
PZ2-48	PZII-48 Ozonator compressor driven	

Specifications	PZ2
Electrical	220/240 VAC / 60hz
Universal Solid State Inverter Ballast	110 – 290 VAC
Arc Life (nominal)	20,000 hours
Compressor Life	Nominal: 40,000 hours
Storage Temperature	-15°C – +70°C
Operating Temperature	-4°C – +60°C

Commercial Sizing			Maximum Ozone Output Grams per hr
	Chlorine	Bromine	
PZ2-4	80,000 Gal (363m³)	40,000 Gal (181m³)	2 grams per hour
PZ2-8	160,000 Gal (727m³)	80,000 Gal (363m³)	4 grams per hour
PZ2-12	240,000 Gal (1090m³)	160,000 Gal (727m³)	6 grams per hour
PZ2-16	320,000 Gal (1454m³)	240,000 Gal (1090m³)	8 grams per hour
PZ2-24	480,000 Gal (2181m³)	320,000 Gal (1454m³)	12 grams per hour
PZ2-48	960,000 Gal (4363m³)	480,000 Gal (2181m³)	24 grams per hour



PZ2 - Large Commercial Systems

PZ2 units provide superior ozone generation by pressurising the lamp cartridges and superior ozone mass transfer into water from the turbulence created by the compressed air stream. PZ2 units require no operator interface once they are set-up. No recurring maintenance or special skills are required. The PZ2 Series has a hardware warranty for a full one year on residential and commercial systems.

PZ2 series are suitable for residential, hotel and school pools including hydrotherapy pools and heavy use commercial spas. These compressor driven units come complete with Venturi bypass plumbing installation kits.

Prozone must be used in conjunction with a residual sanitiser (Chlorine or Bromine), and not with PHMB

Prozone Ozone Generators - Venturi Driven Models



PZ7

Prozone - PZ7 Series

Code	Description	Price Euros €
PZ7-1	PZVII-1 Ozonator venturi driven rated up to 15,000 gallons (68m ³) C/W adjustable saddle clamps	
PZ7-2	PZVII-2 Ozonator venturi driven rated up to 25,000 gallons (136m ³) C/W adjustable saddle clamps	
PZ2-4V	PZ2-4V Ozonator venturi driven rated up to 83,500 gallons (380m ³) C/W adjustable saddle clamps	

PZ7 - 1 & 2 Venturi Systems for Residential In-Ground Pools

The PZ7 Series generator features our unique patented Bypass Venturi configuration for quick installation on the return line of the pool. This allows maximum ozone/water mixing to purify the water before it reaches the pool. The heavy extruded aluminium adds to its durability with clear gasketing that glows when the system is on.

PZ7-1 and PZ7-2 - Are suitable for residential pools and spas and light use commercial spas where the pressure differential across the filter is good. Comes complete with Venturi bypass plumbing installation kit.

Specifications	PZ7-1	PZ7-2
Electrical	230 VAC / 0.4 amps 92 Watts	230 VAC / 0.8 amps 184 Watts
Shipping Weight (approx)	3.6kg	4.5kg
Size	431mm x 158mm x 85mm	
Nominal Air Flow	25 CFH	50 CFH
Maximum Airflow	35 CFH	75 CFH
Arc Life (nominal)	20,000 hours	20,000 hours
Max Ozone Output	12 grams/day	20 grams/day
Ozone Contact Density	.5mg/litre	.5mg/litre
Storage Temperature	-1°C – +70°C	-1°C – +70°C
Operating Temperature	-4°C – +49°C	-4°C – +49°C



Certikin Prozone Degasser & Solenoid Valve

Code	Description	Price Euros €
PZ2-DG1/2	Degasser unit - for all models up to PZ2-2	
PZ2-DG12B	Degasser unit - for models PZ2-4 to PZ2-8	
BU1/4	1/4" female threaded Burkert 240v solenoid for ozone use	

Degassing Column

The Prozone degassing column removes excess air after the ozonated water to prevent bubbles from entering the pool. The unit consists of a column with an air vent attached to the top. Excess air is removed by using the natural buoyancy of bubbles and a counter flow design that allows for the removal of 99% of injected air. A degassing column can be an optional extra for any Prozone system, and is especially recommended for indoor pools.

In some installations for example where the unit is positioned below water level a check valve or solenoid valve must be installed to prevent possible water damage to the unit when circulating pump is switched off. Prozone must be used in conjunction with a residual sanitiser (Chlorine or Bromine) and not with PHMB.

Do not use coloured sodium hypochlorite.

Prozone Ozone Generators - For Spas



Prozone - PZ1

Code	Description	Price Euros €
ZZPZ1	PZ1 Ozonator Venturi driven for portable spa applications up to 625 gallons - Bypass kit included	
PZ1	PZ1 replacement ozonator only - no fittings included	

Ideal for spas

The Prozone water purification system offers clear advantages for spas. The chemistry of a spa can change faster and more dramatically than a pool. High water temperature - as well as increased amounts of body chemicals and organic matter given off by bathers - creates a breeding ground for contaminants and reduces the effects of chemicals.

That's why a Prozone system is a better solution. It completely disinfects the water while the circulation is running. So the spa not only stays sanitary, Prozone keeps the water as you expect - clean, clear and safe.

PZ1 - Portable Spas or Custom Installations

The PZ1 portable spa ozone generator features a patented arc tube mounted in a rugged aluminium case.

The system is compatible with all major spa brands and can be supplied for ozone ready spas or with Prozone's patented bypass installation kit.

Specifications - PZ1	
Electrical	230 VAC / 3 amps / 70 Watts
Shipping Weight (approx)	2kg
Arc Life (nominal)	20,000 hours
Max Ozone Output (grams per day)	6
Storage Temperature	-1°C – +70°C
Operating Temperature	-4°C – +50°C
Connector	(std) 3 Wire Pigtail
Ballast	Solid State
Arc Lamp	Hybrid Arc Tube
Ozone Purity	100% - No Nitrogen Byproducts
Size	205mm x 90mm x 76mm Dia
Housing	Extruded Anodised Aluminium



Prozone - PZ5

Code	Description	Price Euros €
PZ5	PZ5 Ozonator Internal air pump drive - ideal for engineers on-site use, comes with 'over the wall' diffuser	

PZ5 - Portable, 24-Hour Spa Ozonation For Spas and Custom Applications

PZ5 Series features our ozone generator cartridge and internal, custom-built mini compressor for custom applications. The system is ideally designed to stand alone, injecting ozone into all water applications, such as spas, jetted tubs, aquariums or small ponds. The PZ5 Series comes complete with our exclusive Mycropore™ diffuser to allow maximum ozone absorption plus our ozone resistant check valve. For a quick and easy installation, install the PZ5 with a SPPZ05 bypass venturi injector kit.

Dynamic Venturi Injector Bypass Theory

A bypass contactor system gets its water directly after the circulation pump where pressure is high and returns the water to the last low pressure point returning to the pool. This pressure drop drives an injector venturi, which draws ozone / air from the ozonator and mixes it with the water returning to the pool. Additional contact tubing is added to ensure all of the ozone is absorbed before the water returns to the pool.

Prozone must be used in conjunction with a residual sanitiser (Chlorine or Bromine) and not with PHMB.

Specifications - PZ5	
Electrical	230 VAC / 50 hz / 12-24 VAC/AC / 0.75 amps / 172.5 Watts
Shipping Weight (approx)	2.72kg
Max Airflow Rate	8 CFH @ 0 PSI 3 CFH @ 2 PSI
Max Ozone Output	8 grams/day
Operating Temperature	-4°C – +60°C
Connector	(std) 3 Wire Pigtail, Len Gordon, AMP Molex, All J & J
Ballast	U.L. Listed File #474D Type 1
Size	394mm x 76mm x 190mm
System Capacity	(Maximum) Residential Spa 3630 litres
Housing	Aluminium or High Impact Polymer

CUV - UV Clarifiers



The Professional Range of UV Clarifiers

Certikin's range of UV Clarifiers consists of the CUV30 (30 Watt UV bulb), CUV55 (55 Watt UV bulb) and the CUV110 (2 x 55 Watt UV bulb).

CUV's ensure that your swimming pool water will have amazing clarity, by killing the single cell algae that causes green water.

All of the CUV units have been designed using the latest design technology to ensure that the water will flow effectively within the unit, allowing the ultraviolet light to destroy the algae as it passes through.

Not only does the CUV look very stylish, making it a fantastic addition to any pool, but it has been designed with a fully UV stabilized, tough outer casing. This means that the CUV can withstand the recommended operating pressures.

The CUV has a low energy, electronic ballast that is positioned in a fully water tight compartment, fused with full thermal overload protection. Your CUV is built with both safety and low running costs in mind.

The CUV30 and CUV55 units are supplied with 1.5" stepped hosetails.

Every CUV is simple to install, and are supplied with pre-fitted stainless steel mounting brackets that allow you to fix the unit horizontally or vertically.

The CUV comes complete with a 2 year guarantee for total peace of mind.

CUV UV Clarifiers

Code	Description	Price Euros €
CUV30	30 Watt UV Clarifier	
CUV55	55 Watt UV Clarifier	
CUV110	110 Watt UV Clarifier	

	CUV30	CUV55	CUV110
For Swimming Pools up to (litres)	30,000	55,000	110,000
Max Flow Rate litres / hour	15,000	27,500	36,500
Bulb Life (hours)	9000	9000	9000
Bulb - with Certikin code	1 x 30 Watt CUV30B	1 x 55 Watt CUV55B	2 x 55 Watt CUV55B
Inlet . Outlet UK models	1.5" BSP male thread	1.5" BSP male thread	1.5" BSP male thread
Electrical Rating	220-240V, 50Hz, 33-36W	220-240V, 50Hz, 40-50W	220-240V, 50Hz, 67-81W
Dimensions (mm)	1000 x 185 x 115mm	1000 x 185 x 115mm	1000 x 260 x 115mm

A large industrial stainless steel pressure washer. It features a large circular inlet on the left with a flange and multiple bolt holes. The main body is cylindrical and made of polished stainless steel. On the right side, there are three blue safety covers with yellow warning labels. A smaller circular access panel is also visible. The unit is mounted on a small, angled stainless steel base.

- Medium pressure UV lamps for chloramine reduction
- Compact in-line chamber design
- Can be installed both horizontally and vertically
- Minimal pressure head loss
- Treats full recirculating flow
- Fully variable power control from 100% to 50% of full power
- Optional automatic or manual wiper systems
- BSF50 Certificate (on request)
- 3rd party USEPA validation for 99.9% reduction of *Cryptosporidium* (selected models)
- Ethernet communication port for on-line monitoring
- Modbus communication port
- Interfaces with chlorine controllers that generate alarm signals for high combined chlorine levels
- Systems interface with Building Management Systems
 - selected input and output
- Available for new builds or as a retrofit to older pools
- POA
- Full specifications and dimensions available on request.

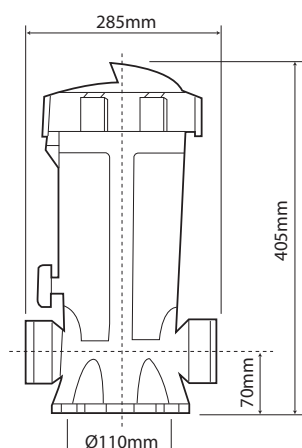
	ECL-110-4	ECL-210-4	ECL-113-5	ECL-115-6	ECL-215-6	ECL-220-8	ECL-225-10	ECL-230-12	ECL-430-12
Performance									
C3rd party validation	USEPA Ultraviolet Disinfection Guidance Manual (UVDGM) 2006								
Validated unit	N/A	Yes	Yes	N/A	Yes	Yes	Yes	Yes	Yes
Certification	NiPH / FHI Water Report 120 / CE Marked / UL Approved / NSF-50*								
UV does range	10mj/cm2 to 120mj/cm2 RED (Reduction Equivalent Dose)								
UV lamp & monitoring									
Lamp power	1.0kW	1.0kW	1.3kW	1.5kW	1.5kW	2.0kW	2.5kW	3.0kW	3.0kW
Lamp number	1	2	1	1	2	2	2	2	4
Lamp life	9,000 hours expected / 4,000 hours warranty								
Lamp design	Medium pressure								
Standard UV monitoring	AT-463 - 4-20mA - IP66								
Validated UV monitoring	Validated ÖNORM UV monitor - AT-900 (calibrated) - IP66 (each lamp monitored)								
Variable power	100% power to 50% power (variable automatic dose pacing)								
UV chamber									
Connection size (mm)	DN100	DN100	DN125	DN150	DN150	DN200	DN250	DN300	DN300
Connection type	BS4504 PN10 RF Flange								
Design pressure	10 Barg design (15 Barg test)								
Material construction	316L stainless steel								
Internal / external finish	0.8µm Ra internal / 1.6µm Ra external								
Lamp & wiper access	Dual sided access								
Quartz type	High purity quartz sleeves								
Mounting	N/A	Legs	N/A	N/A	Legs	Legs	Legs	Legs	Legs
Wiper system	Manual wiper system (optional) / Automatic wiper system optional								
Temperature probe	AT-487 (PT-100) - IP66								
Vent & drain ports	Yes								
Ingress protection	IP66								
Installation	Vertical & horizontal								
Chamber options	0.4µm Ra internal polish upgrade / electropolish upgrade / super duplex 25% chrome steel / connection types								
Spectra 2 - local control cabinet									
Design	Epoxy coated mild steel - IP54 standard								
Control type	ARM Cortex Microprocessor								
Interface	Soft touch push button with text display / 7" Touch screen HMI - full colour display (optional)								
Communication options	Ethernet / Modbus / Data Stream / ICSS Integration (other fieldbus options available)								
Lamp power supply	Choke	Choke	Choke	Choke	Choke	Choke	Choke	Choke	Choke
Power consumption	1,100W	2,200W	1,430W	1,650W	3,300W	4,400W	5,500W	6,600W	13,200W
Mains power	230V (210 V to 240V options)				400V (380 V to 480 V options)				
Power phase + neutral	1 Ph + N				3 Ph + N				
Frequency	50 Hz or 60 Hz								
Protection	Door locked isolator, MCB & RCD protection								
Operating temperature	0°C to +45°C								
Operational infomation	Please see SPECTRA 2 datasheet for further information & upgrade options								

Chemical Feeders

AR72 Automatic Chlorinator Brominator In-line Model

The chemical dosing unit has been designed for installation in the pool's return line for use with slow dissolving Tri-chlorine or Bromine tablets. The quantity of sanitiser is quickly adjusted to give the required residual by way of the easy to use inlet valve.

To avoid the build up of gasses being trapped inside the feeder when the pump is shut off, it must be installed above water level and below the filter outlet. The manufacturer strongly recommends the installation of a non-return valve to protect the plant room from chemical attack, should the situation arise where water siphons back through the system.



Technical Characteristics

Connection: 1.5" Screw thread
Max pressure: 2kg/cm²
Max capacity: 3kg

Max dosage: Chlorine - 35gr/hr
Bromine - 2gr/hr
Recommended Chlorine 20-80m³
pool size: Bromine 4-50m³



Chlorine / Bromine In-Line Feeder

Code	Description	Price Euros €
AR72	AR72 chlorine / bromine in-line feeder	
AR72/O	AR72 chlorine / bromine off-line feeder	

Rainbow Chemical Feeders

RA320C	Rainbow 320 in-line feeder 1.5" connections - clear sided for chlorine or bromine	
SPRA02	Rainbow 320 10" extension	
RA300C	Rainbow 300 off-Line feeder clear-sided for chlorine or bromine	
RA300-19	Rainbow 300-19 off-line feeder for chlorine or bromine	
RA3315	Rainbow HC-3315 high capacity off-line feeder for chlorine or bromine	
RA3330	Rainbow HC-3330 high capacity off-line feeder for chlorine or bromine	

Sizing for Rainbow Feeders

Feeder Model	Chemical	Feeder capacity kg	Pool Capacity Approx gallons	m3
RA300C	Bromine	2.2	20,000	90
RA300-19	Bromine	4.0	22,500	102
RA320C	Bromine	2.2	11,200 / 29,000*	50 / 131*
RA3315	Bromine	6.8	16,800	76
RA3330	Bromine	13.6	34,000	154
RA300C	Chlorine	2.2	40,000	181
RA300-19	Chlorine	4.0	45,000	205
RA320C	Chlorine	2.2	22,500 / 58,300*	102 / 265*
RA3315	Chlorine	6.8	81,300	370
RA3330	Chlorine	13.6	130,00	590

* Bottom Feed / Top Feed - (suitable for use with Bromine or Chlorine)



Sens-R-Trol Redox Controller

PULAQBR	Bromine Sens-R-Trol (incl PULSV) - UK plug	
PULAQBRE	Bromine Sens-R-Trol - Euro plug	
PULAQNS	Chlorine Sens-R-Trol (requires 12v solenoid valve - PULSV25L) - UK plug	

Accessories For Sens-R-Trol

PULAQSN	Sens-R-Trol Probe Assembly - no fittings	
PULSV	0.75" Solenoid Valve for Bromine	
PULTFR	Sens-R-Trol UK power pack (bromine)	
PULSV25L	Burkert 0.25" 12v DC for Sens-R-Trol with Trichlor	
PULTFRH	Sens-R-Trol UK Power pack (chlorine)	

A combined sensor and electronic control. The Sens-R-Trol does not control pH. It must be used in conjunction with a brominator or chlorinator or dosing pump. Extra fittings may be required dependant on installation - please ask for details.

CertiDos - Wall & Economy Mount Dosing Pumps

Wall Mounted Dosing Pumps

Solenoid driven dosing pumps with manual stroke frequency adjustment (0-100%). These dosing pumps are specifically designed to integrate with Certikin controllers or can be used independently.



CertiDos FCE Series Wall Mounted Pump

Code	Description	Price Euros €
CDEFCE1022	FCE Dosing pump 2.2 Ltr / hr @ 10 BAR	
CDEFCE505	FCE Dosing pump 5 Ltr / hr @ 5 BAR	
CDEFCE3065	FCE Dosing pump 6.5 Ltr / hr @ 3 BAR	
CDEFCE0311	FCE Dosing pump 11 Ltr / hr @ 3 BAR	

Dosing pump with manual stroke frequency adjustment.
PP/PVDF/FPM wet end materials

Economy Dosing Kits

Designed to give the end user the simplest and most cost effective chemical dosing solution available. At the heart of the kit is a pH or Redox 'traffic light system' doing pump which displays the current reading from the probe and if the reading is out of range.




Certikin Economy Dosing Kits

Code	Description	Price Euros €
CDEEC00SKITPH	Certikin pH economy dosing kit	
CDEEC00SKITRH	Certikin redox economy dosing kit	

Economy dosing kit includes : 1 No CDE-VPHE or CDE-VRHE dosing pump;
1 No CDE-EPHS or CDE-ERHS electrode; 1 No CDE-PEA/CH electrode holder; 1 No injection valve; 1 No Axial foot filter plus installation accessories. Dosing pumps are rated 6 Lt / hr at 7 bar.

Whats Included



Injection valve - Fitted into the circulation pipework for addition of chemicals into the line. Features a non-return valve.



Axial Foot Filter - Placed into the chemical holding tank the filter prevents particles from entering the dosing pump




End User Manual - Available in a variety of languages upon request. Includes pump performance curves (flow vs pressure).



Installation Accessories - Including:
2m suction tubing, 2m discharge tubing, 2m bleed tubing,
1 x spare fuse, 1 x fixing screw pack

Whats Included



Injection valve - Fitted into the circulation pipework for addition of chemicals into the line. Features a non-return valve.



Axial Foot Filter - Placed into the chemical holding tank the filter prevents particles from entering the dosing pump



1 x buffer solution supplied



pH or Redox Electrode - Supplied with a 0.8m cable direct connection to the chemical dosing pump.



Installation Accessories - Including:
2m suction tubing, 2m discharge tubing, 2m bleed tubing,
1 x spare fuse, 1 x fixing screw pack

Chemical Dosing Questionnaire



Company Name	<input type="text"/>	Contact Name	<input type="text"/>
Tel No:	<input type="text"/>	Fax No:	<input type="text"/>
Email	<input type="text"/>	Date	<input type="text"/>
Project Ref	<input type="text"/>	Time Scale / Deadline	<input type="text"/>

For chemical dosing equipment selection, please convey relevant information from the following options

Installation type	Pool <input type="text"/>	Spa <input type="text"/>	Capacity	m3 <input type="text"/>	UK gallons <input type="text"/>	
Situation	Indoor <input type="text"/>	Outdoor <input type="text"/>	Usage	Dom <input type="text"/>	Light comm <input type="text"/>	Heavy comm <input type="text"/>

Any other relevant information (air blowers, water features, flumes, paddling pool etc)

Circulation run time	<input type="text"/>	Turnover rate (hours)	<input type="text"/>
Max daily bather load	<input type="text"/>	Max peak bather load	<input type="text"/>

Total alkalinity (ppm)	<input type="text"/>	Calcium hardness (ppm)	<input type="text"/>
Total dissolved solids (ppm)	<input type="text"/>	pH	<input type="text"/>

Chemicals requirements (please specify time)	Currently in use	Requested
Sanitiser eg, cal hypo, liquid chlorine etc	<input type="text"/>	<input type="text"/>
pH correction eg, CO2, sodium bisulphate, other	<input type="text"/>	<input type="text"/>
Ozone	<input type="text"/>	<input type="text"/>
Additional chemicals / equipment eg, UV	<input type="text"/>	<input type="text"/>
Flocculant dosing	<input type="text"/>	<input type="text"/>

Is the plant room	above the pool / spa water level <input type="text"/>	below the pool / spa water level <input type="text"/>	Are there are space limitations - please specify
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Is the pool circulation pump fitted with a variable speed (VSD)	<input type="text" value="Y"/>	<input type="text" value="N"/>	Alarms required (please tick as applicable)	Audible <input type="text"/>	Visual <input type="text"/>	Remote pager <input type="text"/>
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Other areas of interest for which you require costing

Pool water cover	<input type="text"/>	Spa / steam / sauna	<input type="text"/>	Water features	<input type="text"/>
Filtration / drainage	<input type="text"/>	Heating / ventilation	<input type="text"/>	Other (please specify)	<input type="text"/>

Dosing Systems - CertiDos VRH

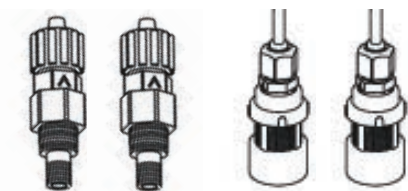
The Certi-Dos VRH system features independent pH or ORP (Redox) proportional dosing pumps with the 'traffic light system'. All of the listed equipment is mounted onto a backboard for easy installation on site.



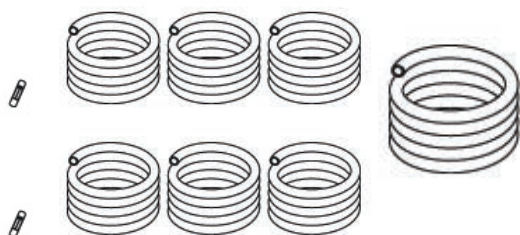
CertiDos VRH

Code	Description	Price Euros €
CDEVPHVRH	Certikin VRH dosing system	

Dosing system to include: 1 No CDE-VPHE dosing pump; 1 No CDE-VRHE dosing pumps; 1 No CDE-NFIL water filter, 1 No CDE-NPED in-line probe holder; 1 No CDE-EPHS and 1 No CDE-ERHS electrodes. All mounted onto a common backboard for installation on site. Dosing pumps are rated 6 Lt / hr at 7 bar.



Installation Accessories
 2 x 2 m coils suction tubing; 2 x 2m coils discharge tubing; 2 x 2m coils bleed tube;
 2 x fuses; 1 x 4m coil sample line tube;
 2 x Axial foot filter and 1 x injection valve.



CDE-VPHE & CDE-VRHE
 Proportional dosing pumps for pH and ORP (Redox) featuring 'traffic light system' for easy end user understanding. 4 x 6 tubing connections



CDE-NFIL
 In-line cartridge based water filter. 6 x 8 tubing connections



CDE-EPHS & CDE-ERHS
 pH and Redox electrodes complete with 0.8m cable



CDE-NPED
 In-line probe holder suitable for pH and Redox probes. Includes integrated flow sensor. 6 x 8 tubing connections.

Dosing Systems - CertiDos WRH

The CertiDos WRH system features a pH and Redox controller with integrated dosing pumps. The pumps are set to dose proportionally based on the signal received by the controller from the electrodes.



CDE-WDPHRH

Process controller with integrated dosing pumps (6Lph@7 bar). Also features low level inputs 4 x 6 tubing connections.



CDE-NFIL

In-line cartridge based water filter. 6 x 8 tubing connections

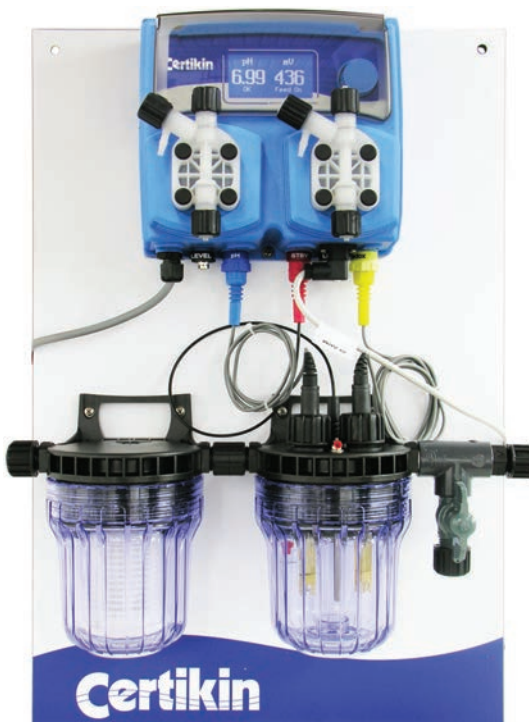


CDE-EPHS & CDE-ERHS

pH and Redox electrodes complete with 0.8m cable

CDE-NPED

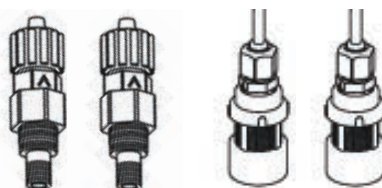
In-line probe holder suitable for pH and Redox probes. Includes integrated flow sensor. 6 x 8 tubing connections.



CertiDos WRH

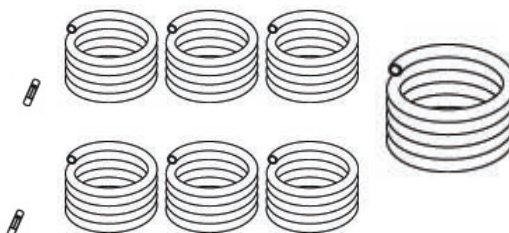
Code	Description	Price Euros €
CDEWDPHRH0706	Certikin VRH dosing system	

Dosing system to include: 1 No CDE-WDPHRH controller with integrated dosing pumps; 1 No CDE-NFIL water filter, 1 No CDE-NPED in-line probe holder; 1 No CDE-EPHS and 1 No CDE-ERHS electrodes. All mounted onto a common backboard for installation on site.



Installation Accessories

2 x 2 m coils suction tubing; 2 x 2m coils discharge tubing; 2 x 2m coils bleed tube; 2 x fuses; 1 x 4m coil sample line tube; 2 x Axial foot filter and 1 x injection valve.

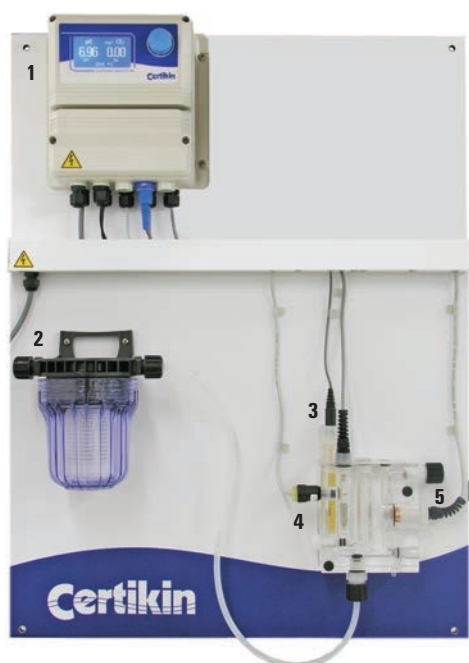


CertiDos system are available in a wide range of configurations including pH / open amperometric chlorine cell; pH / closed amperometric chlorine probe; feeder output etc. Please speak to a member of the team for more information. Tel: + 44 (0) 1993 700744.

Open Cell Systems

Open amperometric cells offer a relatively low cost method of automating the monitoring of the chlorine residual (displayed in ppm) of a water sample.

Broadly speaking, most applications are suited to an open amperometric cell. However, the cells functionality depends on a constant flow and pressure across the sample block. Also, the cells output can be affected by other factors such as combined chlorine, stabilisers and other oxidants.



Chemical storage tank and bund



Chemical dosing pump



Pump mounting bracket



Parts Identification

- 1) Controller
- 2) Pre-filter
- 3) pH Electrode
- 4) Flow Sensor
- 5) ORP Electrode



Withdrawable injection valve

CertiDos LOC

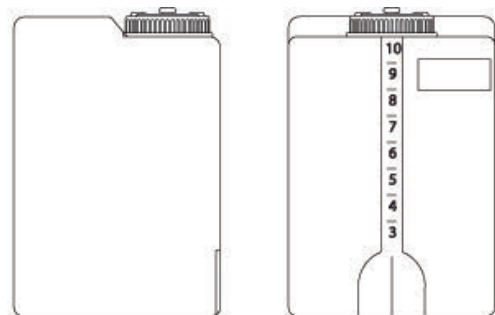
CDELDPHCL6 LOC Dosing System

* Pumps (where applicable), tanks and other accessories are required in order to form a complete system.

Chemical Holding Tanks - Cylindrical

Code	Description	Price Euros €
ETCHT25	25Ltr Holding tank - 340mm dia x 425mm h - white MDPE	
ETCHT050	60Ltr Holding tank - 380mm dia x 635mm h - white MDPE	
ETCHT108	108Ltr Holding tank - 470mm dia x 680mm h - white MDPE	
ETCHT230	230Ltr Holding tank - 610mm dia x 870mm h - white MDPE	
ETCHT530	530Ltr Holding tank - 830mm dia x 1065mm h - white MDPE	

Larger sizes available on request



Dosing Systems - CertiDos LRH

The CertiDos LRH dosing system features a standalone controller with outputs suitable for a wide range of chemical dosing pumps. These outputs include: on / off, PWM, pulse proportional and mA (optional extra). The controller can be supplied with a range of connectivity options.



CDE-WDPHRH - Process controller



CDE-NFIL
In-line cartridge based water filter. 6 x 8 tubing connections



CDE-EPHS & CDE-ERHS
pH and Redox electrodes complete with 0.8m cable



CDE-PEF
In-line probe holder suitable for pH and Redox probes. Includes integrated flow sensor. 6 x 8 tubing connections.



CertiDos LRH

Code	Description	Price Euros €
CDELDPHRH	Certikin LRH dosing system	

Dosing system to include: 1 No CDE-LDPHRH controller; 1 No CDE-NFIL water filter, 1 No CDE-PEF in-line probe holder; 1 No CDE-EPHS and 1 No CDE-ERHS electrodes. All mounted onto a common backboard for installation on site.



Installation Accessories
1 x 4m coil sample line tube;

CertiDos system are available in a wide range of configurations including pH / open amperometric chlorine cell; pH / closed amperometric chlorine probe; feeder output etc. Please speak to a member of the team for more information. Tel: + 44 (0) 1993 700744.

Chemical Dosing - Accessories

pH probe / electrode
with cable



ORP probe / electrode
with cable



CDE-PEF

CDENPED4
Probe Holder -
Offline For 2
Probes



Buffer Solutions

Code	Description	Price Euros €
CDEBSD	650mV buffer solution - 55ml	
CDEBSA	pH4 buffer solution - 55ml	
CDEBSB	pH7 buffer solution - 55ml	
CDEBSC	pH9 buffer solution - 55ml	

CertiDos LRH

Code	Description	Price Euros €
CDEEPHS	pH probe with 0.8m cable	
CDEERHS	ORP probe - 0.8m cable	
CDEPEF1	4 probe holder - free, pH, ORP & temp probes	
CDENFIL/60	Water filter - 5" filter with 60 micron cartridge - 6 x 8 tube	
CDENPED4	2 probe holder - pH, ORP - 6 x 8 tube	
CDEPELC	In-line saddle single probe holder - pH or ORP	



Tubing

05900010	4mm ID x 6mm OD LDPE tubing - 30m coil	
05900030	4mm ID x 6mm OD PVC tubing - 30m coil	
05900100	6mm ID x 8mm OD LDPE tubing - 30m coil	
FT4223/30	6mm ID x 8mm OD PVC tubing - 30m coil	



Electric Mixers

CDEMIXV8MON630	High speed mixer (1400 RPM) 630mm shaft	
CDEMIXV8MON830	High speed mixer (1400 RPM) 830mm shaft	
CDEMIX8MON980	High speed mixer (1400 RPM) 980mm shaft	

Tank Safety Labels & Spill Kits

LBL01	Sodium hypochlorite label	
LBL02	Sodium carbonate (soda ash) label	
LBL03	Sodium bisulphate label	
LBL05	Hydrochloric acid label	
LBL08	Calcium hypochlorite label	
SPILL01	Spill kit - small - Inc: 25 pads, 4 socks, 2 cushions, 1 slab, disposable bag & tie, gloves and goggles	
SPILL02	Spill kit - large - as above with 50 pads	



Manual Agitators

CDEMIXMAN500	Manual agitator 500mm shaft	
CDEMIXMAN600	Manual agitator 600mm shaft	
CDEMIXMAN700	Manual agitator 700mm shaft	
CDEMIXMAN800	Manual agitator 800mm shaft	

Other Accessories

CDEMFKV	Multifunctional pressure valve - pump mount 4 x 6	
CDEMFKSV	Multifunctional pressure valve - wall mount 4 x 6	
CDESTVN	Wall / foot mounted pump mounting bracket	
CDE07301511	Economy injection valve - 3/8" 4 x 6	
CDE7310621	Standard injection valve - 1/2" 4 x 6	
CDELINRV	Withdrawable injection valve - 1/2" 4 x 6	



Multifunction Valve



Pump mounting
bracket

Chemical Accessories



Jolly Gel

Code	Description	No in pack	Unit Price	Price Euros €
JG/25	Jolly Gel - case of 25 packs. Each pack contains 4 x 70 gm blocks. One block treat up to 12,500 gallons	25	16.35	
JG/COM	Jolly Gel Commercial Block (11cm x 12cm x 7cm) Treats up to 100,000 gallons	1	-	



Filtration Aids & Clarifiers

Code	Description	No in pack	Unit Price	Price Euros €
SFGF02/6	Swimfresh 2kg Granular Flocc (Aluminium Sulphate)	6	9.62	
SFCT/12	Swimfresh 0.5kg Clarifier Tablets	12	14.10	
MGF/6	18 Tabs Goldifloc Filter Aid Tablets	6	22.24	
MPAC25	25 Ltr PAC Flocculant	1	-	
SFGC/12	Swimfresh Gel Cube (2 x 70gms)	12	6.69	



Algicides

CNC1/24	1 Ltr Clear 'N' Clean - copper based long life algicide - can be used summer or winter to protect against black, green and pink algae. Improved formula. 1 litre now treats 6,500 gallons	24	20.01	
KPA/10	1 Ltr Kleenpool Long Life Copper Based Algicide (1 litre per 6200 gallons)	10	19.31	

Algicides

SFCBA02/6	2 Ltr Swimfresh Copper Based Algicide	6	20.29	
SFCFA02/6	2 Ltr Swimfresh Copper Free Algicide	6	27.59	
SFCA01/6	1 Ltr Swimfresh Regular Algicide	6	11.96	
SFWF05/4	5 Ltr Winterfresh - Copper Free Algicide. Winterfresh contains stain and scale inhibitors to help protect the pool over wintertime or all year round	4	34.49	



Floating Dispenser - 3" tablets

CCEMG119	Floating dispenser for 3" tablets - adjustable	
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Floating Dispenser - 1" tablets

CCEMG057	Floating dispenser for 1" tablets	
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Chlorine Stabiliser - Cyanuric Acid

CA/25	25kg Cyanuric acid	
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Cyanuric acid forms a weak bond with free chlorine in the swimming pool, protecting it from the sun's ultraviolet rays to reduce chlorine loss. Can reduce the amount of chlorine used to maintain a chlorine residual in the pool.

Spa Aromatherapy



AromaScents Spa Aromatherapy Crystals - 500gms

Code	Description	No in pack	Unit Price	Price Euros €
ASCCIT	Citrus burst	6	9.66	
ASCLAV	Lavender	6	9.66	
ASCRSB	Relaxing soothing blend	6	9.66	
ASCSEN	Sensual stimulating blend	6	9.66	
ASCTEA	Tea tree	6	9.66	
ASCYLY	Ylang Ylang	6	9.66	
ASCMIX	Mixed aromas (1 of each above)	6	9.66	



Spa Fragrance

CSPAGP	Twist and pour pillows packets	12	2.07	24.88
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Spa Fragrance - 8oz Bottles

Code	Description	No in pack	Unit Price	Price Euros €
CSPAAWA	Wellness assortment case - 12 x 8oz (237ml bottles)	12	14.37	
CSPACS	Cooling mint - 8oz bottle	1	-	
CSPAGT	Green Tea - 8oz bottle	1	-	
CSPAGT/12	Green Tea - 8oz bottle	12	14.37	
CSPALR	Lavender (relaxing) - 8oz bottle	1	-	
CSPALR/12	Lavender (relaxing) - 8oz bottle	12	14.37	
CSPAPC	Peaceful chamomile - 8oz bottle	1	-	
CSPAPC/12	Peaceful chamomile - 8oz bottle	12	14.37	
CSPAPE	Peppermint eucalyptus - 8oz bottle	1	-	
CSPAPE/12	Peppermint eucalyptus - 8oz bottle	12	14.37	
CSPART	Refreshing tangerine - 8oz bottle	1	-	
CSPART/12	Refreshing tangerine - 8oz bottle	12	14.37	
CSPARC	Rosemary citrus - 8oz bottle	1	-	
CSPARC/12	Rosemary citrus - 8oz bottle	12	14.37	
CSPASC	Soothing cedar wood - 8oz bottle	1	-	
CSPASC/12	Soothing cedar wood - 8oz bottle	12	14.37	
CSPAYS	Youthful sandalwood - 8oz bottle	1	-	
CSPAYS/12	Youthful sandalwood - 8oz bottle	12	14.37	



Aromatherapy Beads

CSPATB	Wellness aromatherapy beads - for use in air blowers	12	7.82	
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PrimeLab Photometers & Accessories



For accurate and reliable pool testing, look no further than the PrimeLab Multitest photometer. PrimeLab measures the complete colour spectrum with just one LED and sensor so you can test for almost any parameter. It also links wirelessly to a PC where full test data can be stored, and updates downloaded.

Performs 11 direct tests with the option to purchase more software for upto 70 other direct read parameters. Customise your photometer to meet your requirements with the purchase of codes from the PrimeLab website and enable the additional tests via download.

Each kit comes with software, Wireless connection dongle and accessories and is also supplied with starter reagents for the eleven pre-installed tests:

- Free, combined and total chlorine 0.01 - 10.00 ppm
- Bromine 0.05 - 13.00 ppm
- pH 6.4 - 8.4 pH
- Total alkalinity 5 - 200 ppm
- Calcium Hardness 0 - 500 ppm
- Ozone 0.02 - 2 ppm
- Phosphate 0.05 - 4 ppm
- Cyanuric acid 0 - 160 ppm
- Chloride (salt) 0 - 7000ppm

Pool-i-d 10 in 1 Photometer Kit

Code	Description	Price Euros €
PLMT	<p>ID 11 Chlorine (tablet), ID 38 pH-value (tablet), ID 20 Cyanuric Acid (tablet), ID 09 Calcium hardness (tablet), ID05 Alkalinity -M (tablet), ID 56/57 Total hardness (tablet), ID 10 Chlorine (salt) (tablet), ID28 Iron LR (tablet), ID 18 Copper (tablet), ID 44 Phosphate LR (tablet).</p> <p>Kit contains:</p> <p>1 x plastic case, 1 x Primelab multitest 1.0 photometer, 6 x 24mm / 10ml glass vials, 1 x light shield, 2 x stirring rods, 1 x syringe, 1 x cleaning brush, 1 x bluetooth USB dongle, 1 x CD rom with software - Primelab Desktop Assistant, 4 x AAA batteries, 1 x 110V/230V DC adapter with interchangeable int plugs, 20 tablets DPD No1 Photometer, 20 tablets No3 Photometer, 20 tablets Phenol Red Photometer, 20 tabletsCYA-test Photometer, 20 tablets Calcium hardness Photometer, 20 tablets Total alkalinity Photometer, 20 tablets Total hardness Photometer, 20 tablets Chloride No1 Photometer, 20 tablets Chloride No2 Photometer, 20 tablets Iron LR Photometer, 20 tablets Copper No1 Photometer, 20 tablets Copper No2 Photometer, 20 tablets Phosphate LR No1 Photometer, 20 tablets Phosphate No2 LR Photometer</p>	

PrimeLab Add-on Kit

Code	Description	Price Euros €
PLPAR37-KIT-CT	<p>PrimeLab add on kit 'Ozon' 0.00-5.40 by tablets</p> <p>Kit contains: Activation code for ID 37, 2 x 24mm / 10ml glass vials, 1 x plastic stirring rod, 50 tablets DPD No1 Photometer, 50 tablets DPD No4 Photometer, 50 tablets Glycine,</p>	

Replacement Tablets For PrimeLab Photometer

PLPD1100	100 tablets DPD No1	
PLPD3100	100 tablets DPD No3	
PLHGC100	100 tablets Glycine	
PLPPH100	100 tablets Phenol Red	
PLPCS100	100 tablets CYA-Test	
PLHCH1100	100 tablets Calcium Hardness	
PLPTA100	100 tablets Total Alkalinity (M)	
PLPTH100	100 tablets Total Hardness	
PLHCRD1100	100 tablets Chloride No1	
PLHCRD2100	100 tablets Chloride No2	
PLPILR100	100 tablets Iron LR	
PLHCU1100	100 tablets Copper No1	
PLPCU2100	100 tablets Copper No2	
PLHPPLR1100	100 tablets Phosphate LR No1	
PLHPPLR2100	100 tablets Phosphate LR No2	

Pool Testers & Test Strips



Pooltester - for pH- & Chlorine/Bromine

Code	Description	Price Euros €
PT100-CT	<p>Pooltester for the measurement of pH- and Chlorine/Bromine values.</p> <p>8 pH scale colour range 6.8-8.2 pH, 16 chlorine / bromine scale colours range 0-6mg/l (0-13.2 mg/l).</p> <p>Multi chamber tester with white background for easy comparison of colours.</p> <p>In a orange plastic box with 30 tablets each of DPD No1Rapid and Phenol Red Rapid as well as a pictographical manual.</p>	



Pooltester - for pH, Chlorine/Bromine & Alkalinity

Code	Description	Price Euros €
PT500-CT	<p>Pooltester for the measurement of pH-, Chlorine/Bromine and alkalinity values.</p> <p>8 scale colour for each parameter, ranges 6.8-8.2 pH, 0.1-6.0mg/l Cl, 0.22-13.2mg/l Br, 0-250mg/l TA.</p> <p>Multi chamber tester with white background for easy comparison of colours.</p> <p>In a red plastic box with 20 tablets each of DPD Alkatest Rapid No1Rapid and Phenol Red Rapid as well as a pictographical manual.</p>	

Pooltester - for pH- & Peroxide (H₂O₂) & PHMB (Biguanide)

Code	Description	Price Euros €
PT300-CT	<p>Pooltester for the measurement of pH-, Peroxide and PHMB (biguanide) values.</p> <p>8 scale colour for each parameter, ranges 6.8-8.2 pH, 5-50mg/l H₂O₂, 10-100mg/l PHMB.</p> <p>Multi chamber tester with white background for easy comparison of colours.</p> <p>In a yellow plastic box with 20 tablets each of Phenol Red Rapid, PHMB Rapid, Hyd Peroxide HR Rapid and Acidifying PT as well as a pictographical manual.</p>	

Replacement Tablets For Pool Testers

Code	Description	Price Euros €
TBSRD1100-CT	100 tablets DPD No1Rapid - as replacement for PT100-CT & PT500-CT	
TBSRD3100-CT	100 tablets DPD No3 Rapid - as add ons to PT100-CT & PT500-CT (total chlorine)	
TBSRPH100-CT	100 tablets Phenol Red Rapid as replacement for PT100-CT, PT300-CT	
TBSRAT100-CT	100 tablets Alkatest Rapid for PT500-CT	
TBSRHP100-CT	100 tablets Hyd Peroxide HR Rapid for PT300-CT	
TBSRPB100-CT	100 tablets PHMB Rapid for PT300-CT	
TBSHAP100-CT	100 tablets Acidifying PT for PT300-CT	



Test Strips - 3 in 1

Code	Description	Price Euros €
TSL100-CT	<p>3 in 1 test strips for the measurement of pH (6.8-8.2pH), free chlorine (0-5mg/l), bromine (0-11mg/l) and alkalinity (0-240mg/l CaCO₃) values.</p> <p>50 strips. Each 10 strip blistered in analuminium blister. In a plastic canwith dessicant. 2 years shelf life.</p>	



Test Strips - 5 in 1

Code	Description	Price Euros €
TSL700-CT	<p>5 in 1 test strips for the measurement of pH (6.8-8.2pH), free chlorine (0-5mg/l), bromine (0-11mg/l) and alkalinity (0-240mg/l CaCO₃), Cyanuric acid (stabilizer / 0-150mg/l) and total hardness (40-100mg/l CaCO₃) values. 50 strips. Each 10 strip blistered in analuminium blister. In a plastic canwith dessicant. 2 years shelf life.</p>	

Electric Meters & Comparator Kit



Electronic Meters

Code	Description	Price Euros €
FT11-CT	Electronic meter pH (0.0-14.0). 1 point manual calibration. Includes 3 x 1.5 V batteries. In a leather-like bag with belt clip. Pictographical manual. In a carton sales box.	



Electronic Meters

Code	Description	Price Euros €
FT36-CT	Electronic meter TDS- total dissolved solids - (0.00-10.0ppt / 0-10000 mg/l). 1 point manual calibration. Includes 4 x 1.5 V batteries. In a leather-like bag with belt clip. Pictographical manual. In a carton sales box.	



Electronic Meters

Code	Description	Price Euros €
FT15-CT	Electronic meter pH (0.0-14.0) and temperature (-5-50°C). 1 point manual calibration. Includes 4 x 1.5V batteries. In a plastic box. Pictographical manual.	



Electronic Meters

Code	Description	Price Euros €
FT40-CT	Electronic meter pH (0.0-14.0). ORP/Redox (+/- 19999mV) and temperature (0-50°C). 1 point manual calibration. Includes 4 x 1.5 V batteries. In a plastic box. Pictographical manual.	

Buffer Solutions

Code	Description	Price Euros €
EMPHBUF700	20ml sachet with 7.00pH buffer solution for FT11-CT, FT15-CT and FT40-CT	
EMTDSBUF644	20ml sachet with 6.44 ppt TDS buffer solution for FT36-CT	
EMORPBUF468	100ml plastic can with 468mV buffer solution for FT40-CT	



Replacement Tablets For Pool Testers

Code	Description	Price Euros €
TBSPD1100-CT	100 tablets DPD No1 Comparator	
TBSPD3100-CT	100 tablets DPD No3 Comparator	
TBSPPH100-CT	100 tablets Phenol Red Comparator	
TBSRTA100-CT	100 tablets Total Alkalinity (M) tablet count	
TBSRCH100-CT	100 tablets Calcium Hardness tablet count	
TBSCAT100-CT	100 tablets CYA Test Photometer / Nessler	

Balanced Water Kit

Code	Description	Price Euros €
BWK145-11-CT	<p>Balanced water kit. Set to determine:</p> <p>pH, 6.5-8.4 (comparator method), Chlorine 0.0-4.0mg/l (free total) (comparator method), Total Alkalinity 10-500mg/l CaCO₃ (tablet count method), Calcium hardness 10-500mg/l CaCO₃ (tablet count method), Cyanuric Acid 0-200mg/l (turbidity method). In black plastic case.</p> <p>Kit contains:</p> <p>1 x Comparator, 1 x disc pH 6.5-8.4, 1 x disc chlorine 0.00-4.00, 4 x 10ml square plastic vial (10ml)</p> <p>2 x 100ml shaker tube, 1 x 20ml Cyanuric Acid turbidity device, 1 x 10ml syringe, 1 x stirring rod, 1 x cleaning brush, Pictographical manual, 30 tablets each of DPD No1 Comparator, DPD No3 Comparator, 100 tablets each of Total Alkalinity (M) tablet count, Calcium Hardness tablet count, CYA Test Photometer / Nessler</p>	