



ETATRON

Manual & Automatic Chemical Control



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Etatron Dosing



About Etatron

Etatron D.S. is a manufacturer of high quality solenoid metering pumps, controllers and associated equipment.

Since it commenced trading in 1979, decades of steady growth and innovative product development have resulted in Etatron establishing its position as a worldwide player, supplying over 75 different countries and having offices located in Canada, the United Kingdom, Ireland, Russia and Singapore.

Etatron chemical dosing pumps and controllers are suitable for a range of dosing packages including the following:

- pH correction systems
- Chlorination dosing systems
- Redox (ORP) based systems
- Fragrance dosing systems

We are also able to supply a range of chemical holding tanks, agitators, mixers and accessories.

If you are looking for solutions in the Wet Leisure Industry for automated chemical dosing, chemical dispensing diaphragms and peristaltic pumps, then we are confident that Etatron will have the answer.

To find out more, please contact us on 01271 378100 or email swimmer@goldenc.com

Etatron products are CE approved and the company is ISO 9001 certified. Etatron maintains quality and management systems in accordance with the requirements of CE Approval and Marking, ISO 9001:2008 and CSA Standards.



Manual Chemical & Essence Dosing



B-V Peristaltic Pumps

The B-V series is a range of peristaltic pumps with adjustable flow rates. Suitable for use with chemicals and essence dosing systems.

Features:

- Operates on the suction-compression created by rotors on a Santoprene® tube.
- Ideally suited to dosing essences.
- Versions are available with level control, indicating with the same LED turning yellow when the chemical product tank is at minimum level.
- Constructed in Polypropylene and supplied with the necessary pipework and fittings.
- Removable setting knob, to prevent flow rate from undesired tampering.
- Versatile arrangement: wall and foot mounting holders provided.
- Output pressures of up to 3 bar.
- Plastic enclosures for wall mounting, with clear Polycarbonate pump head cover.
- Pump head axle is supported at both ends, giving higher resistance to normal peristaltic pump wear and tear.
- Pump head tubings available in Santoprene®.
- A mounting piece supplied with each pump allows for quick installation and removal of the pump.
- Standard operating voltage: 240 V AC, 50 Hz/60 Hz, single phase.
- Other ratings (V AC and V DC) are available as options.

Stock code:

- 21 06 678 733

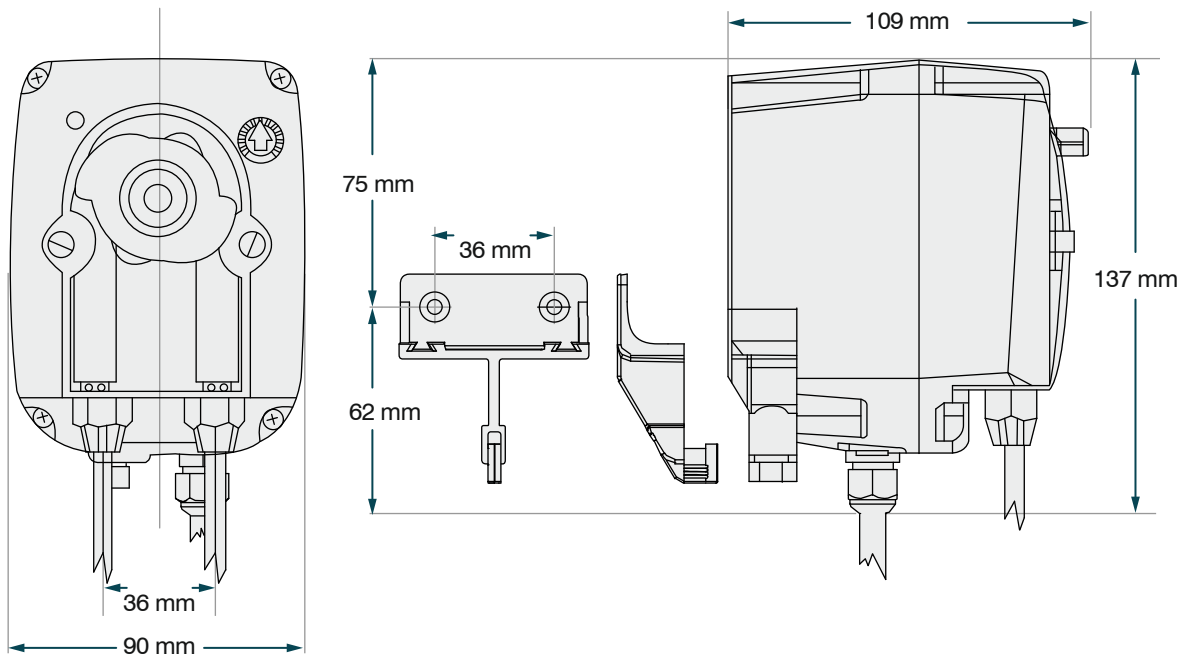
Supplied with:

- Foot valve
- Injector
- 2 metre suction and delivery pipe

Technical specifications:

Flow	Pressure
3 L/hr	3 Bar

Dimensions:



Manual Chemical & Essence Dosing



PKX MA/AL Solenoid Pump

The PKX is our most economical and compact range of electronic pumps, suitable for use with chemical dosing or essence dosing.

Features:

- Manual air bleed head.
- Manual adjustment of flow: 0 – 100%.
- Level control.
- Manual setting from 10% up to 100% of maximum flow rate.
- Removable setting knob, to prevent flow rate from undesired tampering.
- Versatile arrangement: an adaptor is supplied with each unit allowing for both foot and wall mounting.
- Pump head and control panel are on the same side, providing convenience.
- Slow maximum stroke rate of 120 strokes/minute ensures check valve stability and prevents overheating.
- IP65 rated pump housing is constructed of mica-filled Polypropylene.
- Standard operating voltage: 230 V/240 V AC, 50 Hz/60 Hz, single phase.
- It is possible to supply pumps that are quieter; this is useful where being used for essence dosing and the solenoid 'thump' sound needs reducing.

Stock code:

- 21 06 678 151

Supplied with:

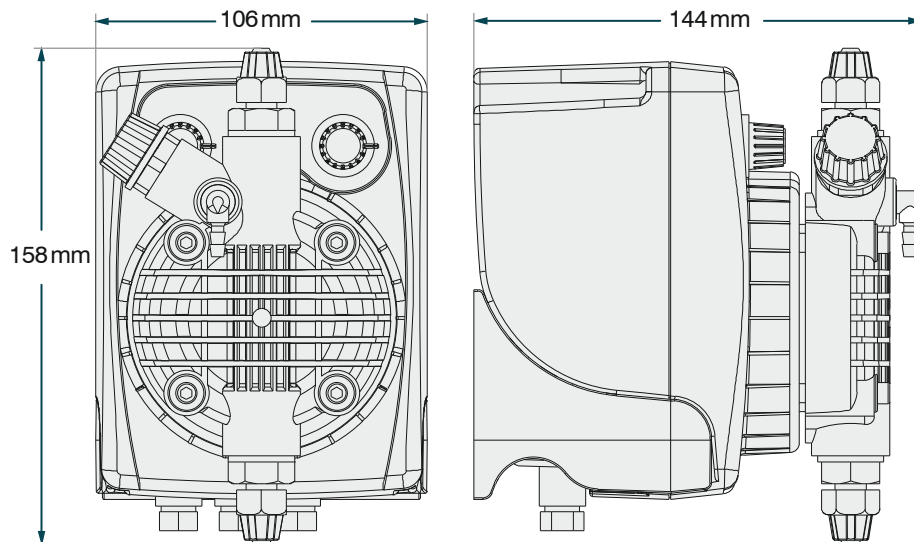
- Foot valve
- Injector
- 2 metre suction and delivery pipe

Technical specifications:

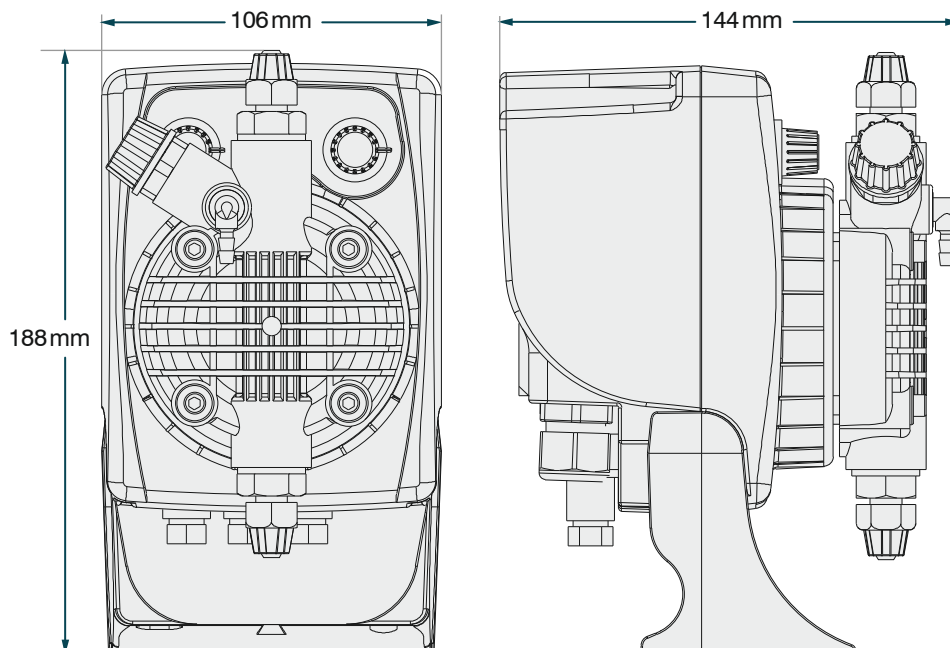
Flow	Pressure
1 L/hr	5 Bar
2 L/hr	6 Bar
5 L/hr	5 Bar

Dimensions:

Wall Mounted



Foot Mounted



Manual Chemical Dosing



eOne MA Solenoid Pump

The eOne MA dosing pump has a manual control for the flow rate and a high dosing frequency.

The pump has a microcontroller regulated by a dial control switch.

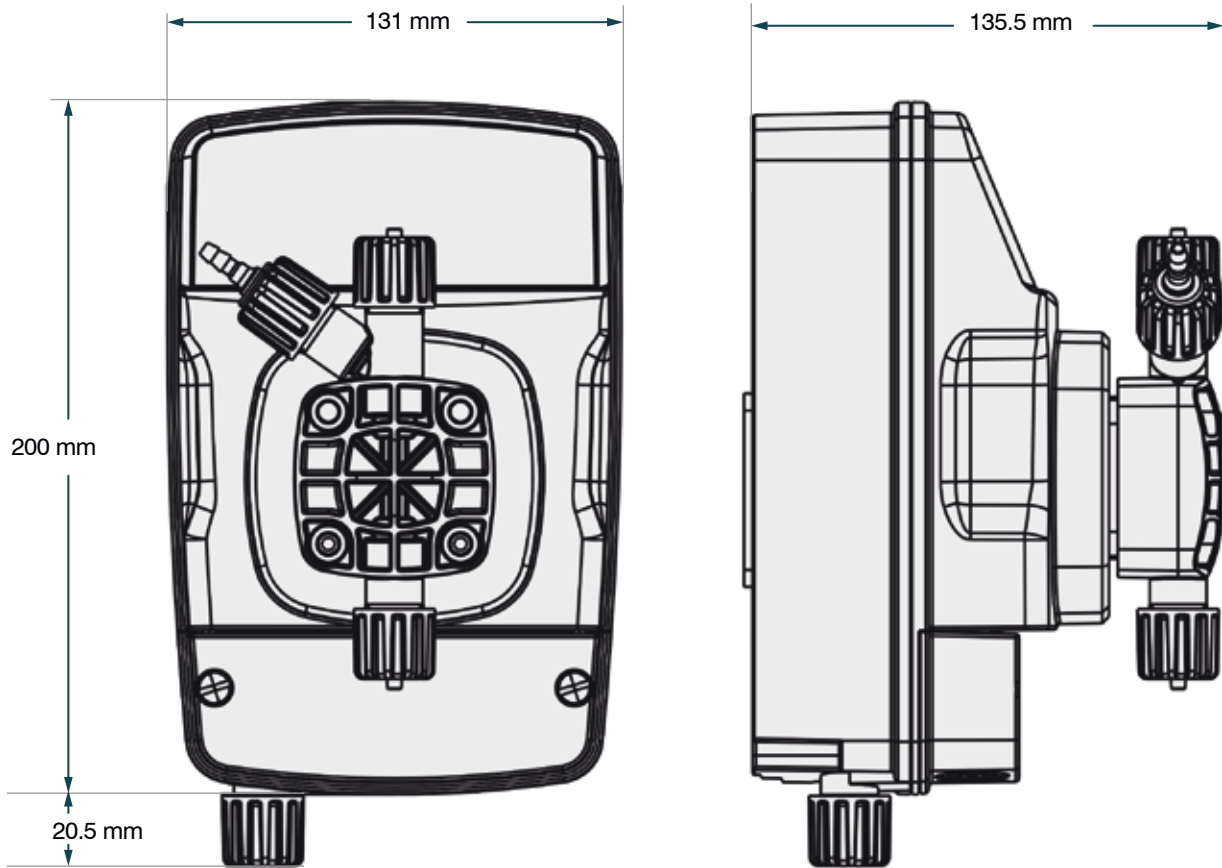
Features:

- Energy efficient.
- Manual flow control.
- High dosing frequency (300 strokes per minute).
- Dual scale adjustment.
- Underload and overload blockage alerts.
- Level control setting (supplied without probe).
- Flow rate regulation: 0 - 100% and 0 - 20%.
- Proportional mode 1 ÷ 1.
- Built in ability to detect any failure in suction or discharge.
- Energy consumption of 26 W at maximum pressure setting.
- Greater energy reduction when pressure is reduced further.
- 300 strokes per minute ensures accurate dosing.
- Double ceramic ball valve to increase dosing accuracy.
- Reliable and accurate dosing in the event of changes to the pressure.
- Reduced operating temperatures.
- Optional power supply of 100 and 250 V AC, 50/60 Hz.
- Data transmission via RS 232 or RS 485 interface.

Stock code:

- 21 06 678 325

Measurements:



Manual Chemical Dosing



DLX MA/AD Solenoid Pump

The DLX is our most developed range of electronic pumps. It is ideally suited to the rigours and requirements of demanding commercial pool and spa applications.

Features:

- Manual air bleed head.
- Manual adjustment of flow using two scales: 0 - 20% or 0 - 100%.
- Allows finer control of dosing rates and therefore better water balance and sanitisation.
- Analogue dosing pump.
- Available with level control - MA/AD+LIV (supplied without probe).
- Choose between foot mounted or wall mounted versions.
- Pump head and control panel are on the same side, providing convenience.
- Slow maximum strokes rate of 120 strokes per minute ensures check valve stability and prevents overheating.
- IP65 rated pump housing is constructed of mica-filled Polypropylene.
- Standard operating voltage: 240 V AC, 50 Hz/60 Hz, single phase.
- Other models up to 20 L/hr available on request.
- Digital display option available on request.
- As standard the head is suitable for use with 4 mm/6 mm pipe.
- A head suitable for use with calcium hypochlorite is available; please specify at time of ordering.
- It is possible to supply pumps that are quieter; this is useful where being used for essence dosing and the solenoid 'thump' sound needs reducing.

Stock code:

- 21 06 678 051

Supplied with:

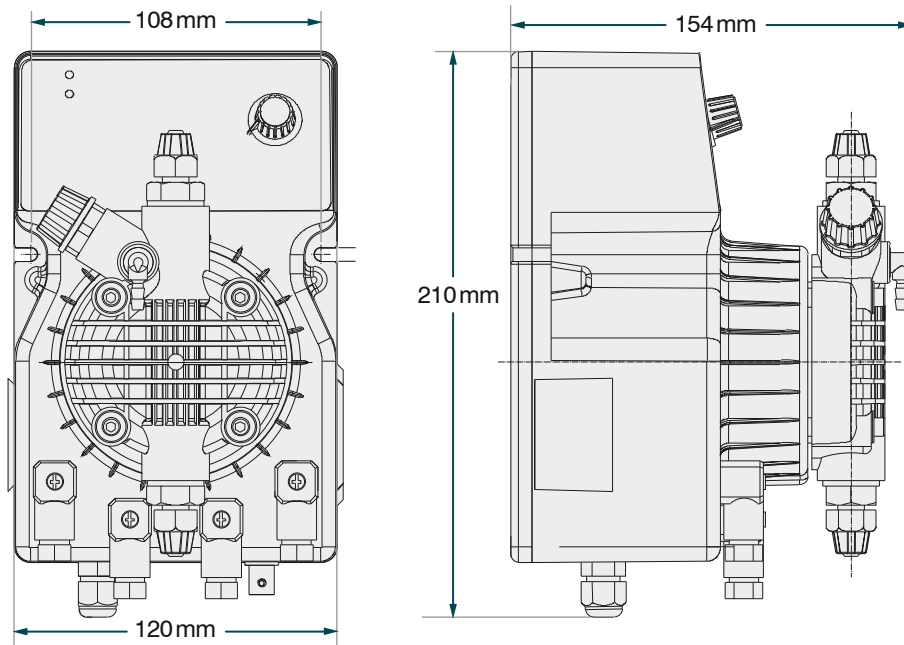
- Foot valve
- Injector
- 2 metre suction and delivery pipe

Technical specifications:

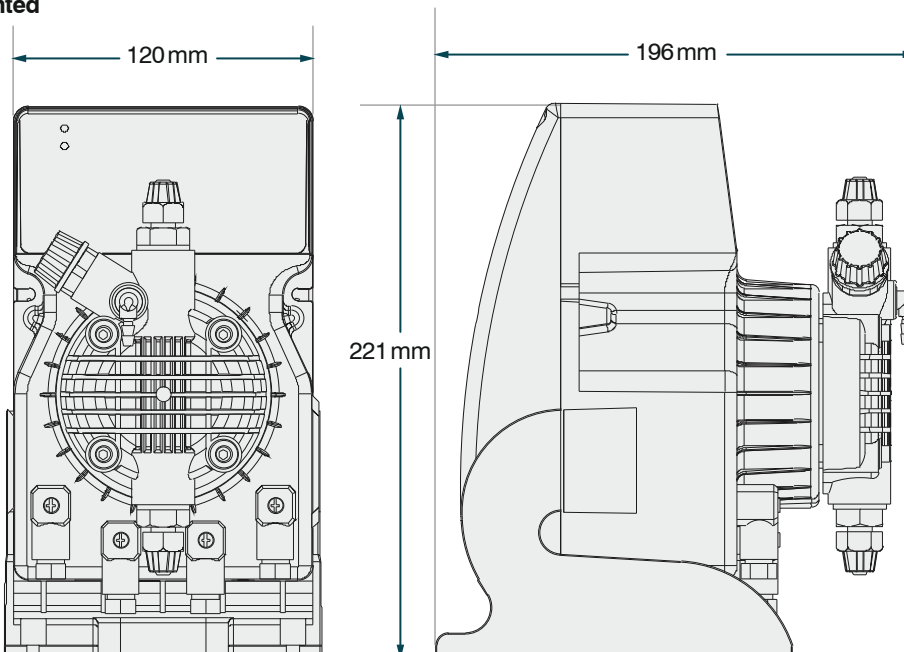
Flow	Pressure
5 L/hr	7 Bar
1 L/hr	15 Bar
15 L/hr	4 Bar

Dimensions:

Wall Mounted



Foot Mounted



Manual Chemical Dosing



eOne Plus pH/Redox Solenoid Pump

The eOne plus microprocessor dosing pump is suitable for proportional and control applications: pH, redox, chlorine, ppm monitoring.

The pump operates at a high dosing frequency, and is equipped with backlit graphic display for correct setting of various programming parameters.

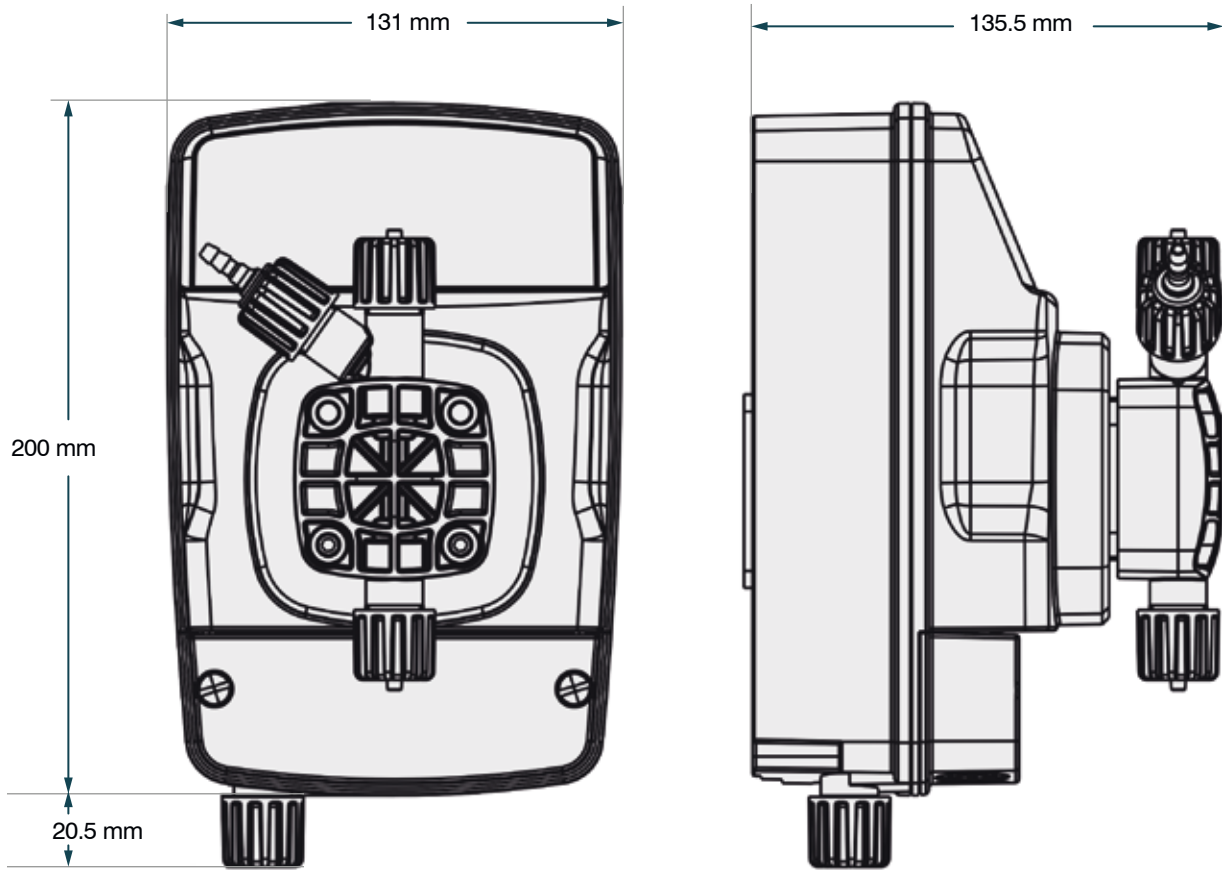
Features:

- Backlit digital display ensuring accuracy in setting and monitoring.
- 0 ppm - 14 ppm pH control.
- 1000 mV - 1400 mV (Redox).
- Ranges for free chlorine reading as follows:
 - 0 ppm - 2 ppm
 - 0 ppm - 20 ppm (normal setting when used with closed and open cell Chlorine probes)
 - 0 ppm - 200 ppm
- Alarm output.
- Temperature control definition: automatic (connection to PT100 sensor) or manual (default 25 °C).
- Setting for the value of set point.
- Type of intervention (direct or inverse).
- Hysteresis setting.
- On/Off or proportional activation mode.
- Delay time of the pump activation.
- MAX alarm, for maximum measure.
- MIN alarm, for minimum measure.
- Over alarm, indicates an overdose situation. This is activated when the defined set point value is not reached in a predetermined time.
- Level control setting (supplied without probe).
- Relay output for signalled alarm status.

Stock code:

- 21 06 678 365

Measurements:



Automatic Microprocessor Chemical Dosing



DLX pH – Redox/Chlorine Solenoid Pump

Highly sophisticated but simple to operate pump, controlling pH and Chlorine correction. Suitable for use with redox or amperometric probes, this pump is extremely versatile.

Features:

- Backlit digital display ensuring accuracy in setting and monitoring.
- Proportional or On/Off operation optional.
- 0 ppm - 14 ppm pH control.
- 1000 mV -1400 mV (Redox).
- Ranges for free chlorine reading as follows:
 - 0 ppm - 2 ppm
 - 0 ppm - 20 ppm (normal setting when used with closed and open cell Chlorine probes)
 - 0 ppm - 200 ppm
 - 4 - 20 mA output
- Alarm output.
- 0 -100 c manual/automatic temperature compensation.
- Flow or level control.
- Choose between foot mounted or wall mounted versions.
- Pump head and control panel are on the same side, providing convenience.
- Slow maximum strokes rate of 120 strokes per minute ensures check valve stability and prevents overheating.
- IP65 rated pump housing is constructed of mica-filled Polypropylene.
- Standard operating voltage: 230 V/240 V AC, 50 Hz/60 Hz, single phase.
- Other models up to 20 L/hr available on request.
- As standard the pump head is suitable for use with 4 mm/6 mm pipe.
- A head suitable for use with Calcium Hypochlorite is available; please specify at time of ordering.

Stock code:

- 21 06 639 110

Supplied with:

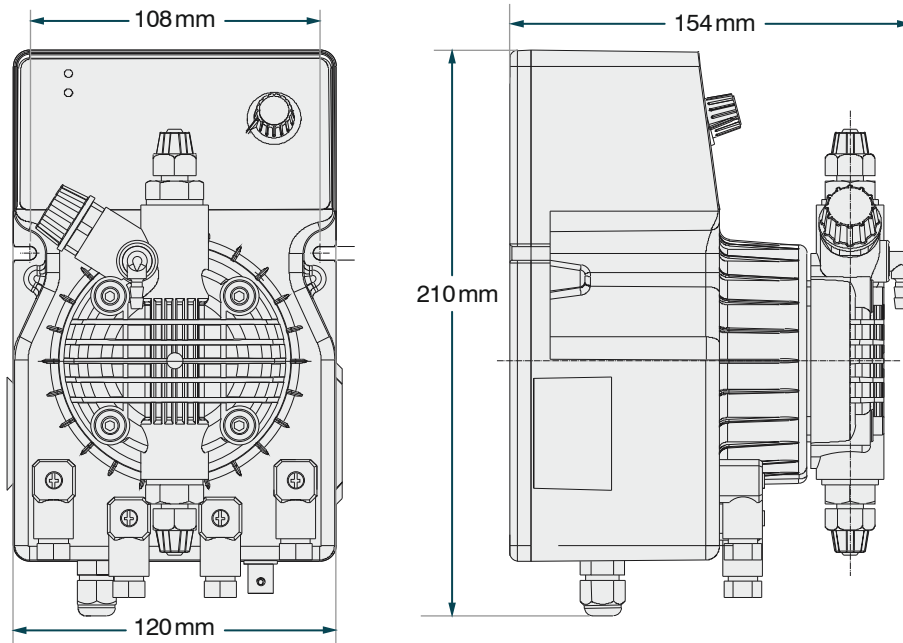
- Foot valve
- Injector
- 2 metre suction and delivery pipe

Technical specifications:

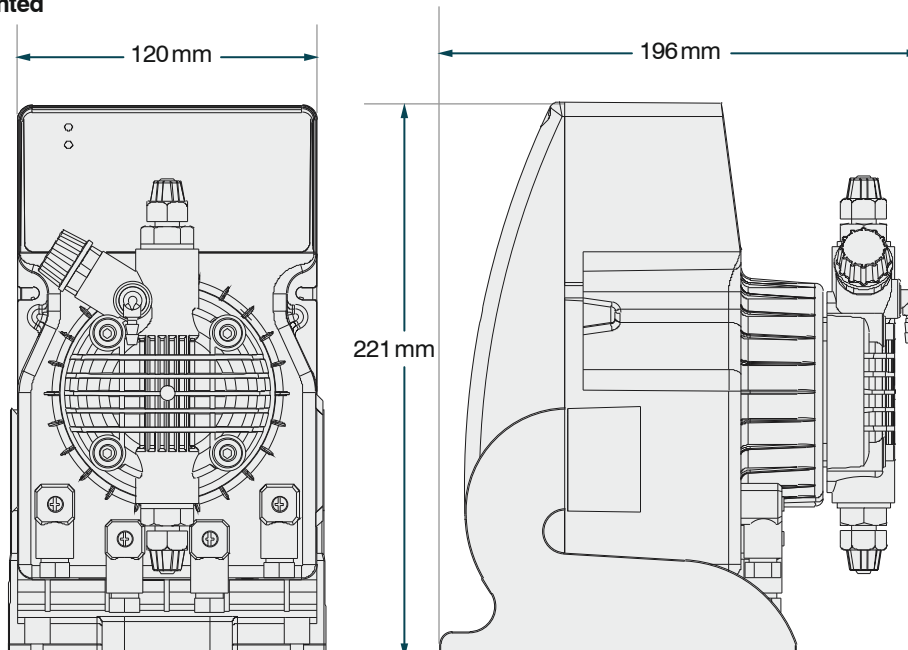
Flow	Pressure
5 L/hr	7 Bar
1 L/hr	15 Bar
15 L/hr	4 Bar

Dimensions:

Wall Mounted



Foot Mounted



Controllers



eSelect Panel Controllers

The eSelect series is a range of water treatment controllers for pH, ORP, conductivity or chlorine. Microprocessor based electronics providing versatility in operation.

Features:

- Capable of measuring up to three water conditions simultaneously, by receiving the information from the appropriate probe.
- The panels utilise full microprocessor technology and incorporate a backlit alphanumeric LCD display.
- All settings are adjusted using the touch pad keys on the face of the panel.
- Backlit LCD screens.
- Each output relay is controlled by its own independently adjusted set point (on/off level, upwards/downwards control).
- Outputs include dry-contact relays (for the control of auxiliary equipment, eg. metering pumps, solenoid valves, etc) and two 4-20 mA current signals.
- Appropriate probes/electrodes need to be connected (probes/electrodes supplied as option).
- Serial output for computer connection.
- Daily/weekly timer for auxiliary dosing eg. PAC.
- USB port to allow data retrieval (USB device not included).
- Two point probe calibration.
- Automatic/manual temperature compensation.
- Two independent set points for each reading.
- Hysteresis setting.
- Delayed activation setting.

Stock codes:

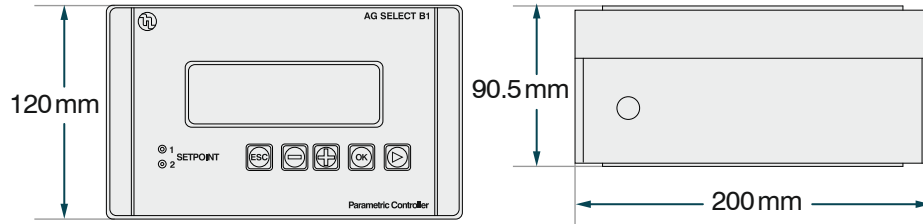
- | | |
|-----------------|---------------|
| • AG-Select B1: | 21 06 639 010 |
| • eSelect B2: | 21 06 639 020 |
| • eSelect B3: | 21 06 639 030 |

Model specifications:

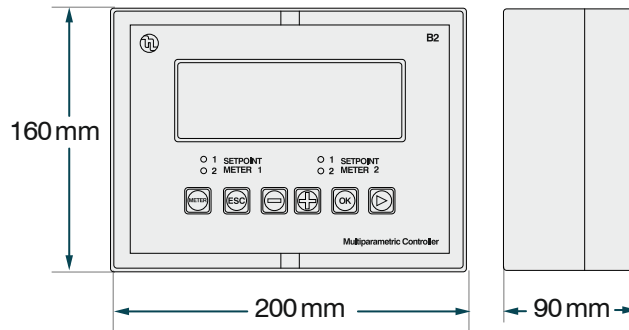
- | | |
|-----------------|------------------------|
| • AG-Select B1: | 1 measuring parameter |
| • eSelect B2: | 2 measuring parameters |
| • eSelect B3: | 3 measuring parameters |

Dimensions:

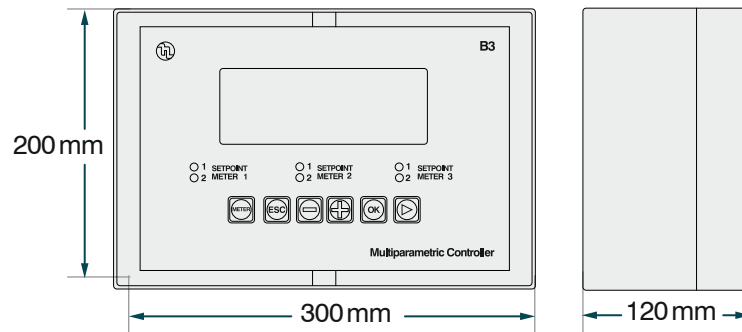
AG-Select B1 Controller



eSelect B2 Controller



eSelect B3 Controller





eControl Dosing Controller

Etatron's new and energy efficient eControl range of dosing controllers are designed to measure and control pH value, redox potential, chlorine concentration, as well as a wide range of other electrochemical parameters, such as hydrogen peroxide, peracetic acid and chlorine dioxide.

The eControl is extremely flexible and can be configured to measure the above parameters with one of our wide range of ion-selective sensors. These controllers feature galvanic isolation to ensure the controller receives no interference from nearby electronic devices.

The eControl dosing controller is suitable for a wide range of applications, such as water treatment, swimming pools, chemical industrial processes, food and beverage industries.

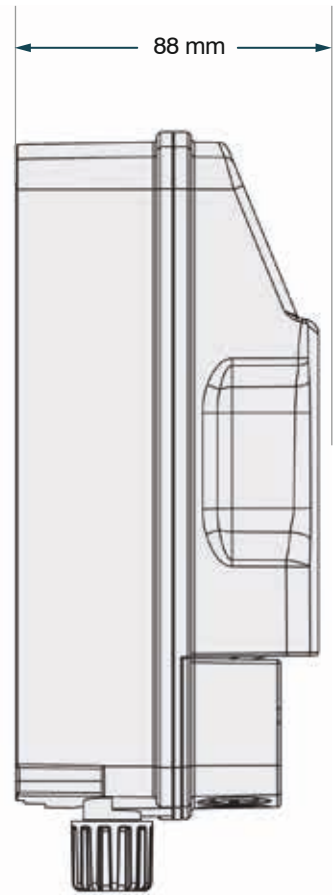
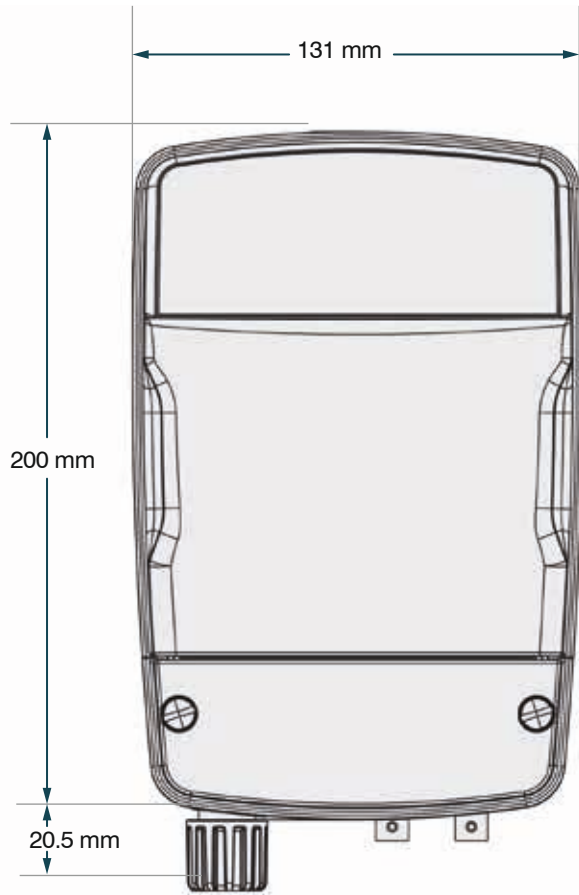
Features:

- Can measure chlorine, pH, chlorine dioxide or redox.
- Able to measure two parameters.
- Configurable set points, each independently adjusted.
- Current outputs 4 - 20 mA (on request).
- PT 100 temperature sensor input (sensor available on request).
- Power supply 100 - 250 V AC, 4 W

Stock codes:

- eControl (1 channel): 21 06 679 110
- eControl (2 channel): 21 06 679 120

Measurements:



Domestic Proportional Pump Dosing Kits



ePool Pump Dosing Kits

The ePool series of peristaltic dosing pumps are perfect for the leisure industry and feature built in chlorine, pH, chlorine dioxide and redox control.

These pumps operate on the suction-compression created by rotors on a Santoprene® tube. They are energy efficient and have an operating range of 6 - 10 W energy consumption. The pumps have a maximum flow rate of 3 L/hr and a maximum operating pressure of 3 bar.

Features:

- Built in controller able to adjust the output based upon the chlorine, pH, chlorine dioxide or redox levels.
- Flow rates from 1.5 L/hr up to 3 L/hr.
- Pressure from 1.5 bar to 3 bar.
- Alarm relay output and auxiliary.
- Input for level sensor or proximity.
- pH measurement range: 0 - 14 pH.
- Redox measuring range: -1400 + 1400 mV.
- Energy efficient with energy consumption of 6 - 10 W.
- Power supply 100 V AC to 250 V AC.
- Pump head tubing available in Santoprene (standard), silicone.

Stock codes:

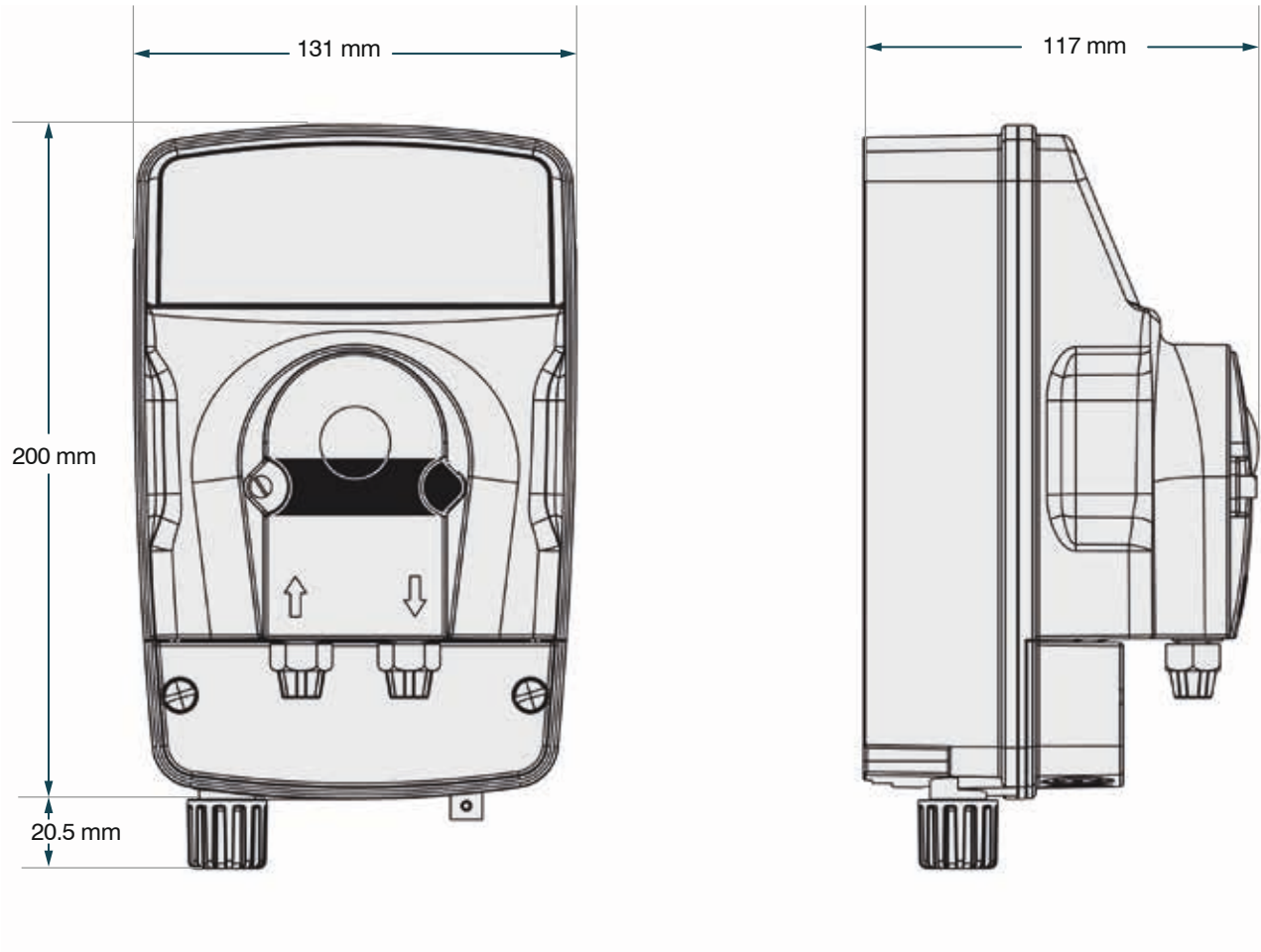
- | | |
|------------------------------------|---------------|
| • ePool Redox: | 21 06 678 450 |
| • ePool pH: | 21 06 678 455 |
| • ePool pH
with eControl redox: | 21 06 999 030 |

ePool kit contents:

- Peristaltic pump
- pH or redox probe
- Probe holder
- Saddle clamp
- Dosing hose
- Buffer solutions



Measurements:



Domestic Proportional Pump Dosing Kits



DLX Pump Dosing Kit

These kits offer a simple and easy method to achieve accurate pool water chemistry control, with the benefit of full proportional dosing.

Features:

- Suitable for the larger domestic pool, or a commercial pool of 100 m³ – 600 m³.
- Wall mounted DLX or foot mounted DLXB dosing pumps.
- Microprocessor dosing pump with pH, redox (mV), control and regulation.
- Pump supplied with manual air bleed pump head.
- Level control capability.
- Anti-acid plastic casing.
- Clear backlit LCD display.
- On/Off or proportional dosing modes.
- Optional level probe input.
- Measuring range:
 - pH: 0 – 14
 - Redox: 1000 – 1400 mV
- IP65 protection.
- Standard power supply: 230 V - 50 Hz/60 Hz

Stock codes:

Pools up to 250 m³

- | | |
|------------------|---------------|
| • DLX Redox/MBB: | 21 06 678 520 |
| • DLX pH/MBB: | 21 06 678 525 |

Pools up to 600 m³

- | | |
|------------------|---------------|
| • DLX Redox/MBB: | 21 06 678 550 |
| • DLX pH/MBB: | 21 06 678 555 |

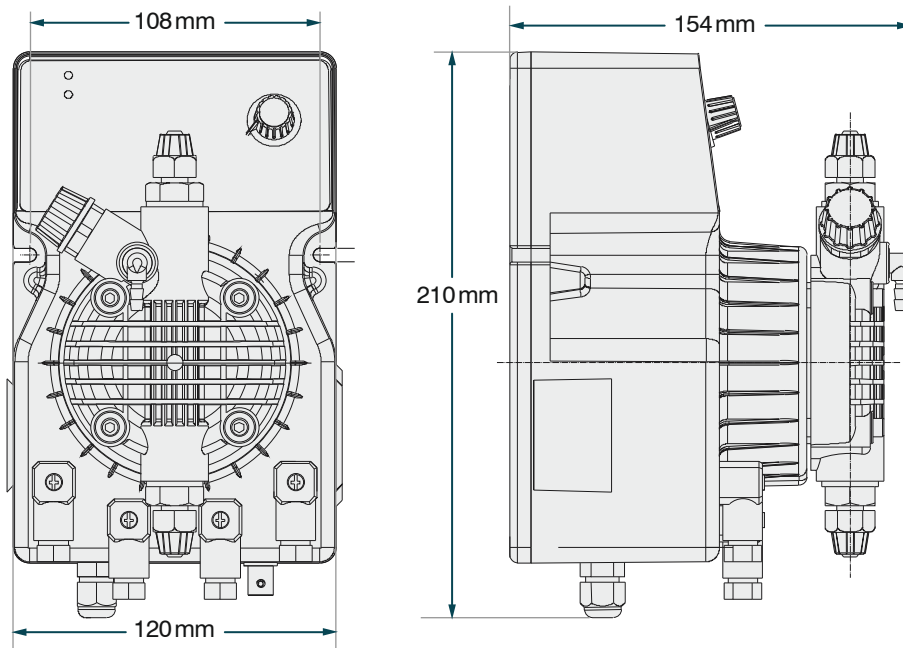
DLX kit contents:

- DLX solenoid pump
- pH or redox probe
- Probe holder
- Saddle clamp
- Dosing hose
- Buffer solutions

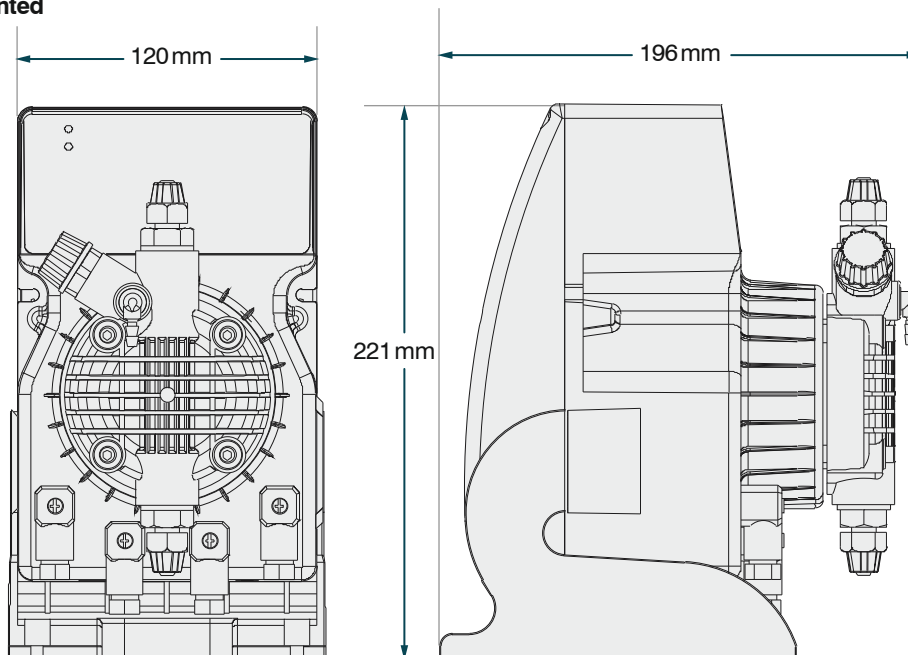


Measurements:

Wall Mounted



Foot Mounted



Automatic Chemical Control Systems



eSelect Controller Dosing Systems

Fully automatic dosing system, suitable for all applications.

Choose from three systems.

eSelect Redox/pH Controller System.

- Control and regulation for pH and Redox.
- Size: 450 mm wide x 600 mm high.

Supplied with:

- Control panel (2 channel)
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Redox probe
- Buffer solutions:
 - pH 7
 - pH 9
 - Redox 650 (mV)
- Connections for two dosing pumps

Stock code:

- 21 06 999 200

eSelect Open Cell Chlorine/pH Controller System.

- Control and regulation for free inorganic chlorine and pH.
- Size: 450 mm wide x 600 mm high.

Supplied with:

- Control panel (2 channel)
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Copper/platinum free chlorine probe
- Buffer solutions:
 - pH 7
 - pH 9
- Connections for two dosing pumps

Stock code:

- 21 06 999 225

eSelect Closed Cell Chlorine/pH Controller System.

- Control and regulation for free inorganic chlorine and pH.
- Size: 450 mm wide x 600 mm high.

Supplied with:

- Control panel (2 channel)
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Ion chlorine probe (free inorganic and organic)
- Buffer solutions:
 - pH 7
 - pH 9
- Connections for two dosing pumps

Stock code:

- 21 06 999 250

Automatic Chemical Control Systems



DLX Controller/Pump Dosing Systems

Suitable for domestic and small commercial applications.

Suitable for pools up to 250 m³. A larger version is available upon request. Choose from three systems.

DLX Redox/pH Pump System.

- Control and regulation for pH and Redox.
- Size: 450 mm wide x 600 mm high.

Supplied with:

- 2 x DLX pH – Redox/Chlorine proportional solenoid pump
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Redox probe
- Buffer solutions:
 - pH 7
 - pH 9
 - Redox 650 mV

Stock code:

- 21 06 999 100

DLX Open Cell Chlorine/pH Pump System.

- Control and regulation for free inorganic chlorine and pH.
- Size: 450 mm wide x 600 mm high.

Supplied with:

- 2 x DLX pH – Redox/Chlorine proportional solenoid pump
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Copper/platinum free chlorine probe
- Buffer solutions:
 - pH 7
 - pH 9

Stock code:

- 21 06 999 125

DLX Closed Cell Chlorine/pH Pump System.

- Control and regulation for free inorganic chlorine and pH.
- Size: 450 mm wide x 600 mm high.

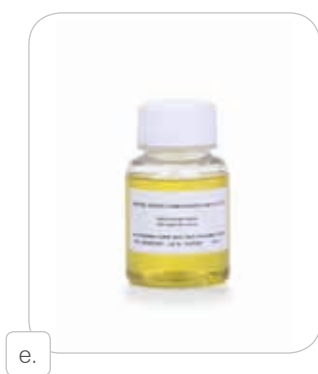
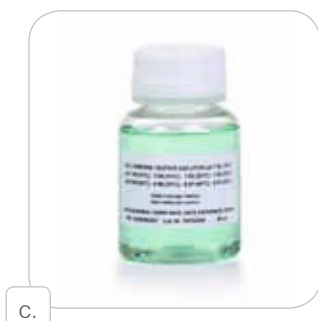
Supplied with:

- 2 x DLX pH – Redox/Chlorine proportional solenoid pump
- Double union ball valves:
 - 4 mm x 6 mm
 - 10 mm x 14 mm
- 150 micron water filter
- Probe holder with proximity switch and flow adjustment
- pH probe
- Ion chlorine probe (free inorganic and organic)
- Buffer solutions:
 - pH 7
 - pH 9

Stock code:

- 21 06 999 150

Accessories



Etatron Accessories

Choose from a range of accessories including probes, buffer solutions, tubing and agitators.

- a. Redox (ORP) Probe: 21 06 680 050
- b. pH Probe (blue cap): 21 06 680 060
- c. pH 7 Buffer: 21 06 680 107
- d. pH 9 Buffer: 21 06 680 109
- e. Redox 650 mV Buffer: 21 06 680 111
- f. PVC Delivery Tube -
10 mm x 13 mm (per 30 m): 21 22 680 008
- g. Low Density Polythene
Delivery Tube -
4 mm x 6 mm (per 30 m): 21 22 680 004
- h. Red/Blue Tube: 21 06 680 002
- i. Red/Blue Tube: 21 06 680 000
- j. Hose Set: 71 06 639 500
- k. Filter Cartridge: 71 29 639 319
- l. Injector: 71 29 639 270
- m. Hand Operated Agitator
(suits all day tanks): 21 22 687 000
- n. Electric Agitators
for 100 L Day Tank: 21 22 687 100



o.



p.



q.



r.

Safety Equipment and Clothing

Make sure you keep yourself safe while using Etatron products. We stock plenty of safety equipment and clothing.

o. Eyewash Station - Small: 20 22 690 070

p. Replacement Eyewash Solution,
2 x 500 ml bottles: 20 22 690 080

q. Anti Splash Goggles: 20 22 690 030

r. Health and Safety Kit 1: 20 22 690 060

Health and Safety Kit 1 contents:

- Half mask respirator
- Goggles
- Gauntlets
- Apron
- Wellingtons
- Holdall



Dosing Tanks

Made in UV stabilised polythene, suitable for use with all water purification chemicals.

Day Tank - 50 Litre.

- Capacity: 50 L/11 gal
- Diameter: 425 mm
- Height: 500 mm
- Weight: 3.5 kg
- Cap Size: 190 mm
- Aperture: 130 mm

Stock code:

- 21 22 683 050

Day Tank - 100 Litre.

- Capacity: 100 L/22 gal
- Diameter: 495 mm
- Height: 700 mm
- Weight: 7.5 kg
- Cap Size: 190 mm
- Aperture: 130 mm

Stock code:

- 21 22 683 100

Day Tank - 200 Litre.

- Capacity: 200 L/44 gal
- Diameter: 635 mm
- Height: 785 mm
- Weight: 11 kg
- Cap Size: 190 mm
- Aperture: 130 mm

Stock code:

- 21 22 683 200

Day Tank - 300 Litre.

- Capacity: 300 L/66 gal
- Diameter: 660 mm
- Height: 1075 mm
- Weight: 16.5 kg
- Cap Size: 190 mm
- Aperture: 130 mm

Stock code:

- 21 22 683 300

Day Tank - 500 Litre.

- Capacity: 500 L/110 gal
- Diameter: 815 mm
- Height: 1100 mm
- Weight: 21 kg
- Cap Size: 270 mm
- Aperture: 195 mm

Stock code:

- 21 22 683 500

Day Tank - 1000 Litre.

- Capacity: 1000 L/220 gal
- Diameter: 1065 mm
- Height: 1355 mm
- Weight: 35 kg
- Cap Size: 270 mm
- Aperture: 195 mm

Stock code:

- 21 22 683 900



Bund Tanks

Designed to accommodate 110% of dosing tank capacity.

Bund Tank - 55 Litre.

- Capacity: 55 L/13 gal
- Diameter: 680 mm
- Height: 285 mm
- Weight: 2.7 kg

Stock code:

- 21 22 685 050

Bund Tank - 110 Litre.

- Capacity: 110 L/25 gal
- Diameter: 805 mm
- Height: 325 mm
- Weight: 4 kg

Stock code:

- 21 22 685 100

Bund Tank - 220 Litre.

- Capacity: 220 L/49 gal
- Diameter: 970 mm
- Height: 395 mm
- Weight: 6 kg

Stock code:

- 21 22 685 200

Bund Tank - 360 Litre.

- Capacity: 360 L/80 gal
- Diameter: 940 mm
- Height: 620 mm
- Weight: 5.8 kg

Stock code:

- 21 22 685 300

Bund Tank - 550 Litre.

- Capacity: 550 L/123 gal
- Diameter: 1130 mm
- Height: 680 mm
- Weight: 11 kg

Stock code:

- 21 22 685 500

Bund Tank - 1000 Litre.

- Capacity: 1100 L/244 gal
- Diameter: 1825 mm
- Height: 560 mm
- Weight: 15 kg

Stock code:

- 21 22 685 900

