



waterpro

Water + Innovation

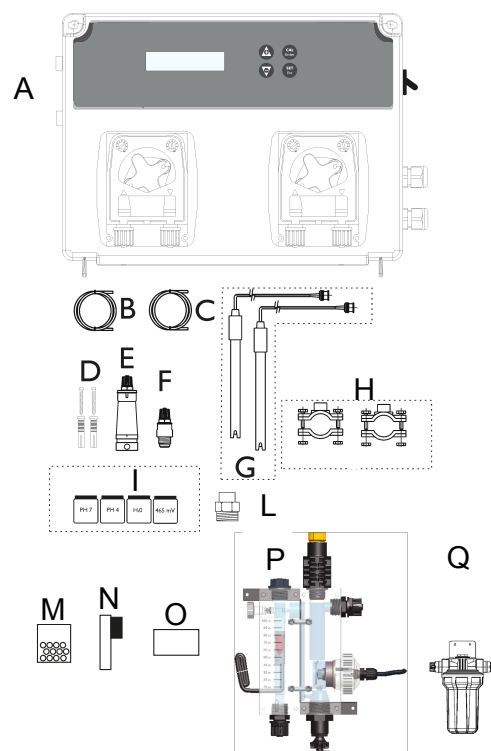
Injecta Elite PRC Manual

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PACK CONTENTS

- A) System
- B) PVC Crystal 4x6 with suction device (2 m) + (4 m)
- C) Polyethylene delivery hose (5 m)
- D) Attachment screw ($\phi=6$ mm)
- E) Foot filter (PVC riser)
- F) FPM duckbill valve (3/8" GAS)
- G) Probes pH and Redox (Rx probe on request)
- H) Tapping saddle for securing PSS3 onto 2" hose ($\phi=50$ mm)
- I) pH 4, pH 7, 465 mV, H₂O buffer solution kit (465 mV on request)
- L) Reducer for injection valve x 2
- M) Balls for chlorine probe
- N) Cleaning brush chlorine probe
- O) Litmus
- P) Probes holder + chlorine probe
- Q) Filter Minor 5"

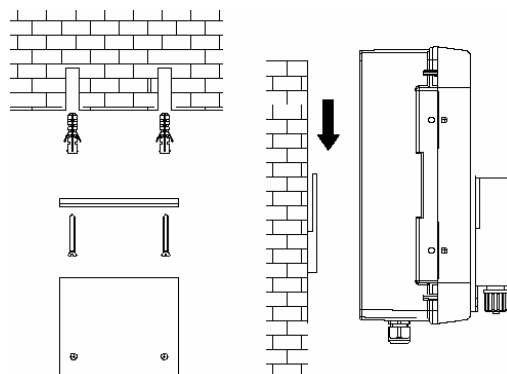
Note: All images shown in this manual are indicative only.



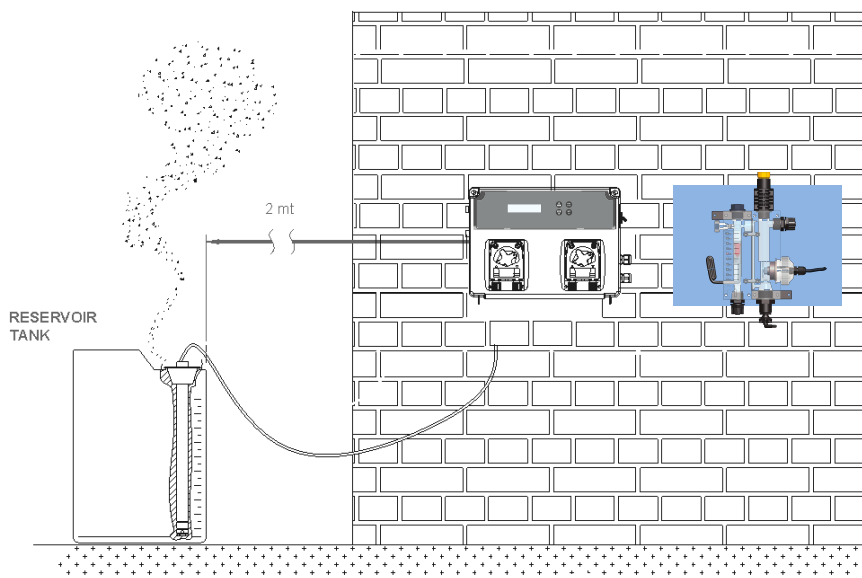
TECHNICAL SPECIFICATIONS

Dimensions (H – W – L)	234x162x108 mm
Weight	1 kg
Power supply 50 Hz	230 VAC
Consumption	12 W or 18 W
Pump flow rate	0,4 l/h; 1,5 l/h; 5 l/h
Maximum back-pressure	1,5 bar
Pump state	Pause - Supply
Measure scale	0 ÷ 14.0 pH; Redox 0 ÷ +1000 mV Cloro 0.0 ÷ 5.0 ppm
Device precision	± 0,1 pH; ± 10 mV; 0.1 ppm
Accuracy	±0.02 pH; ± 3 mV; 0.1 ppm
Electrode regulation	Automatic

Wall Mounting Setup



WARNING / ATTENTION



Instruction Setting

Functions:

- Calibration (Press Cal Key for 3 Seconds):
 - Select the calibration routine pH or Redox by using the Up or Down key.
 - Standard Routine calibration pH probe is 7 and 4 buffer solution and Redox 465 mV buffer solution

enter
cal

- Hold Cal and Set Key (both) for 5 Seconds and run Program Setup:

- **Program_Menu** (Press Enter to set the following Item)

- **Language__** (options of 5 language EN, IT, ES, DE, FR)

- **Rx_Measure**

- **setpoint__750_mv** (Adjust value with enter and up or down key) adjustable from 0 to 1200 mV value for Redox
- **sp_type__low** (Adjust value LOW or HIGH)
- **ofa_time_000_min** (Change the value from 1 to 240 minutes or Off)
- **alr_band_000_mV** (Adjust value from 100 to 300 mV)
- **Type__PROP** (Adjust value between OFF, PROP or ON/OFF)

- **ph_Measure**

- **setpoint__7.4ph** (Adjust value with enter and up or down key) adjust from 0 to 14 pH value.
- **sp_type__acid** (Adjust value ACID or ALKA)
- **ofa_time_000_min** (Change the value from 1 to 240 minutes or Off)
- **alr_band_000_ph** (Adjust value from 1 pH to 3 pH)
- **Temp_25*C_** (Adjust value with enter and up or down key) pH measure only.
- **Type__PROP** (Adjust value between OFF, PROP or ON/OFF)

- **Chlorine_Measure**

- **Setpoint__1.2_ppm** (Adjust value with enter and up or down key) It's possible to adjust from 0.0 to 5.0 ppm
- **sp_type__low** (Adjust value LOW or HIGH)
- **ofa_time_000_min** (Change the value from 1 to 240 minutes or Off)
- **AlrBand_1.0ppm** (Adjust value from 0.0 to 5.0 ppm)
- **Type__PROP** (Adjust value between OFF, PROP or ON/OFF)

- **Flow_** (Adjust value with enter and up or down key Enable or Disable)

- Options to enable(ON) or disable (OFF) signal input

- **Cal** (Calibration_probe) (Adjust value with enter and up or down key)

- **Full** (pH 7 and 4, Redox 465 mV buffer solution)
- **Easy** (pH 7, Redox 465 mV buffer solution)
- **Off** (Disabled)

- **Password** (Adjust value with enter and up or down key, standard value **0000**)

- Save and escape Program setup with ESC key

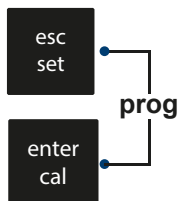
- **Rele Func. Alr** (Adjust relay output: with: alarm or Redox measure)

- **P. ON Delay** (This delay will only take effect if the system is turned off and then on again by disconnecting its electrical power supply. The setting can be disabled (Off - factory default) or can be set to a delay time ranging from 1 to 60 minutes.)

- **Flow delay off** (online to set a delay on Flow Input activation or reactivation (recirculation pump). The system waits before restarting the process. The setting can be disabled (Off - factory default) or else can be set to a delay time ranging from 1 to 60 minutes.

- **REED LOG NO** (Adjust REED input: N.O. (normally open aperto) o N.C. (normally close))

- **RESET CALIBRATION** (To restore the default calibration parameters)



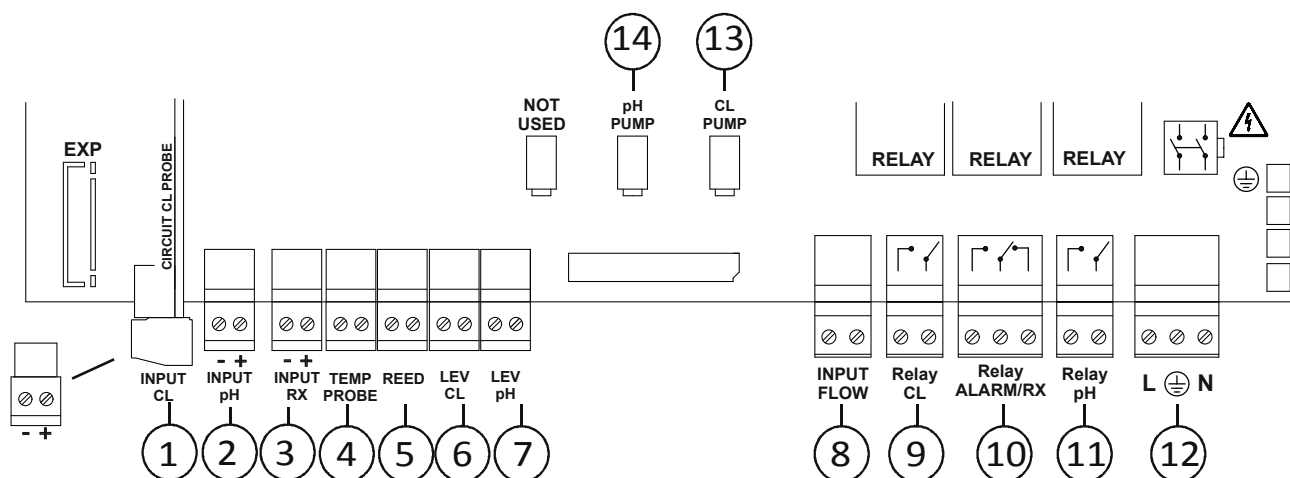
- **Reset CL** (Press Enter to select the reset (yes or no) and confirm with Enter)
- **Reset ph** (Press Enter to select the reset (yes or no) and confirm with Enter)
- **Reset rx** (Press Enter to select the reset (yes or no) and confirm with Enter)
- **Reset all parameters** (Press Enter to select the reset (yes or no) and confirm with Enter, the system will restore the default parameters)
- **Control panel** (Input measures visualization pH=mV; Rx=mV; CL=μA; Temperature=Ohm)



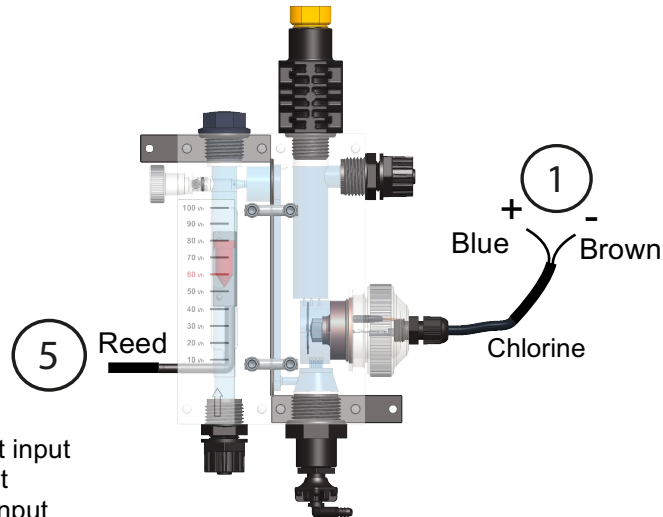
- **Exit_____save** (Adjust value with up or down key and confirm with enter key)
- Priming Pump Keep Press UP Key for 1 seconds and priming Chlorine pump
 - **priming_____1.2PPm**
- Priming Pump Keep Press Down Key for 1 seconds and priming pH pump
 - **priming_____7.2ph**
- The unit doses in proportional mode respect at Set Point (minimum distance 25%, maximum distance 90% of 10 minutes time period dosing)

Note: The unit in program menu to go out in automatic mode after 1 minutes of wait time, the unit doesn't save nothing.

Main board



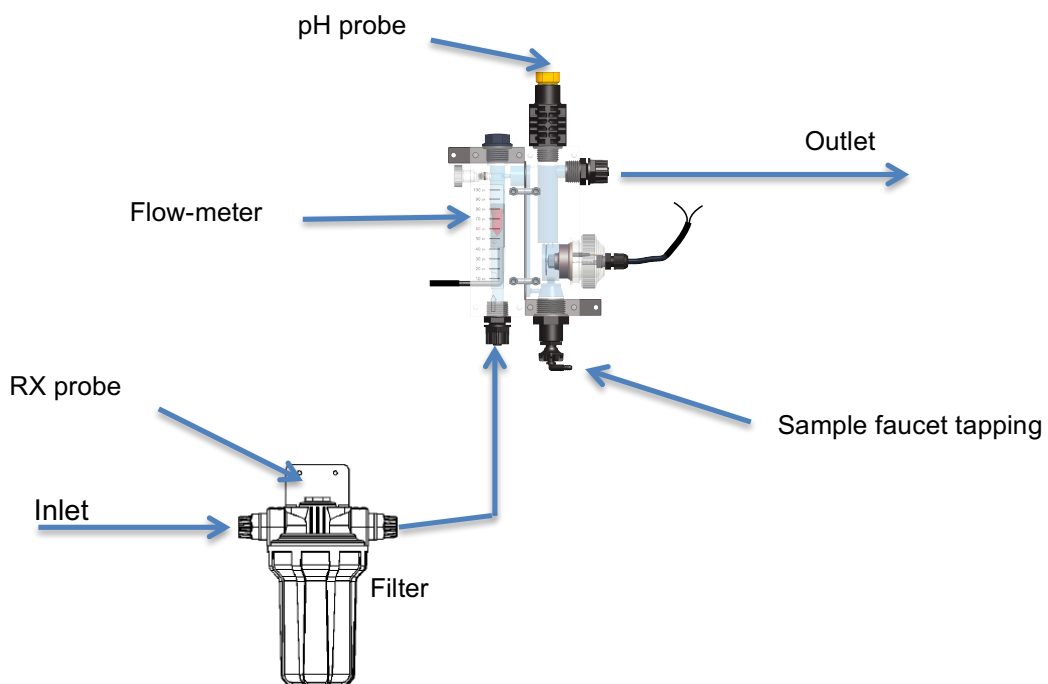
NB: Connect the blue wire of chlorine probe to the terminal + and the brown wire to the terminal -



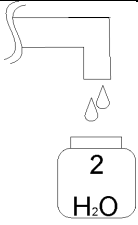
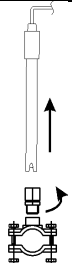
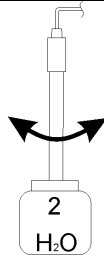
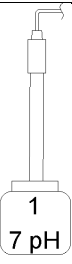
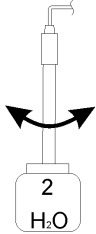
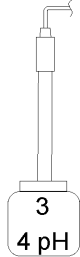
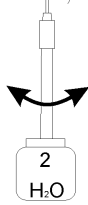
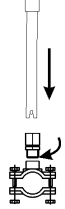
Wire Connection:

- 1) Chlorine measurement input
- 2) PH measurement input
- 3) Redox measurement input
- 4) Temperature probe input
- 5) REED contact input
- 6) Chlorine product level probe input
- 7) pH product level probe input
- 8) Flow (recirculation pump)
- 9) Chlorine relay (dry contact)
- 10) Alarm or Redox relay (dry contact)
- 11) pH relay (dry contact)
- 12) 240 Vac power supply input
- 13) Chlorine pump power supply
- 14) pH pump power supply

Hydraulic Connection:



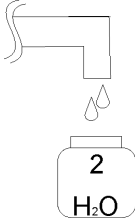
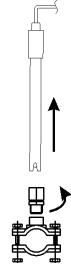
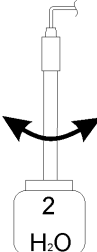
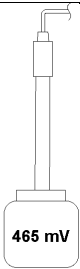
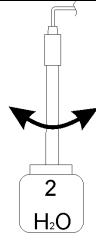

pH Probe Calibration

 <p>①</p>	 <p>②</p>	 <p>③</p> <p>Wash</p>
 <p>④</p> <p>Keep probe into Buffer solution</p>	<p>Calibration</p> <p>enter cal</p> <p>Press Cal Key 3 Seconds Set pH calibration</p> <p>5</p>	<p>Press_cal</p> <p>enter cal</p> <p>Calibration During 1 minutes</p> <p>Wait_____60s__</p> <p>6</p>
<p>7pH_Quality_100%</p> <p>Quality Probe</p> <p>7</p>	 <p>⑧</p> <p>Wash</p>	 <p>⑨</p> <p>Keep probe into Buffer solution</p>
<p>4pH__Press_cal</p> <p>enter cal</p> <p>Calibration During 1 minutes</p> <p>Wait_____60s__</p> <p>10</p>	<p>4pH_Quality_100%</p> <p>Quality Probe</p> <p>11</p>	 <p>⑫</p> <p>Wash</p>
 <p>⑬</p>	<p>enter cal</p> <p>Press Enter Key to save and exit</p> <p>14</p>	<p>Normal Status</p> <p>15</p>

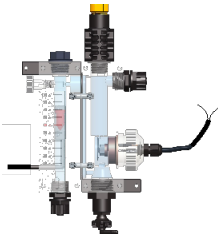




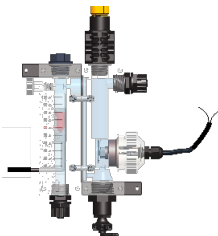
Note:

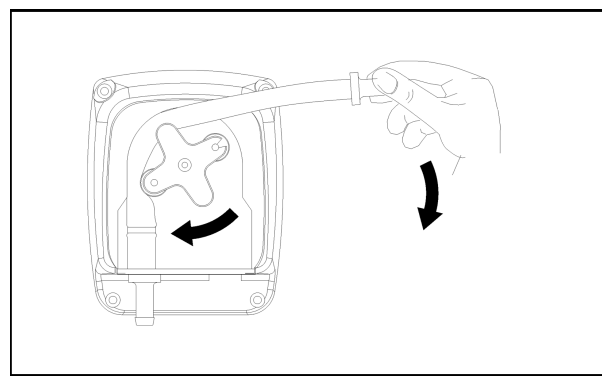
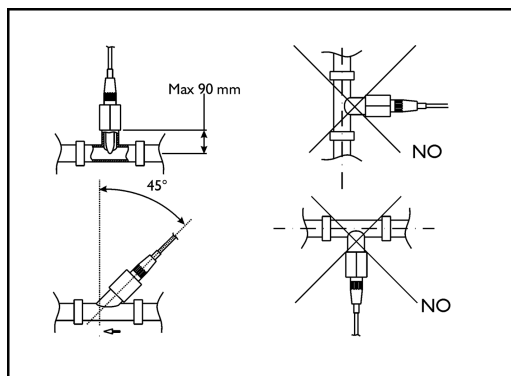
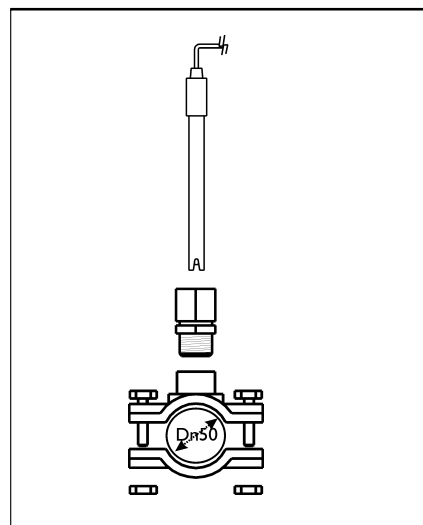
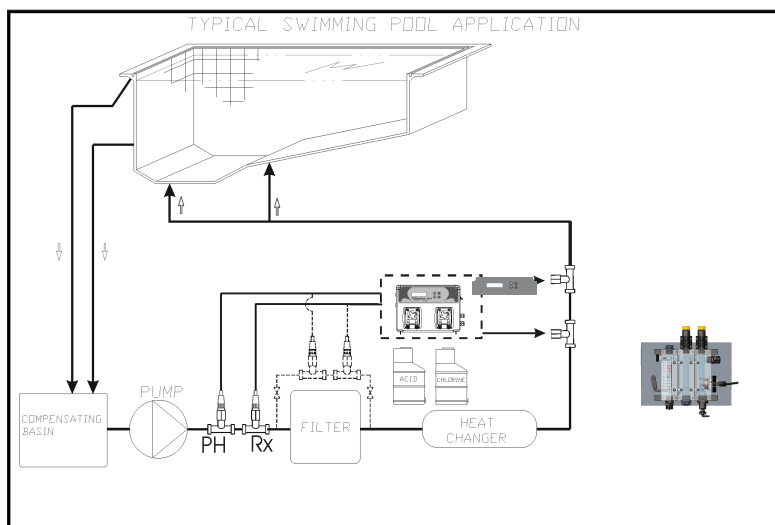
If you have setting Calibration = Easy the function has 1 point calibrate only 7 pH buffer solution.

Redox Probe Calibration

<p>①</p> 	<p>②</p> 	<p>③</p>  <p>Wash</p>
<p>④</p>  <p>Keep probe into Buffer solution</p>	<p>Calibration</p> <p>enter cal</p> <p>Press Cal Key 3 Seconds Set Redox calibration</p> <p>5</p>	<p>465mv__Press_cal</p> <p>enter cal</p> <p>Calibration During 1 minutes</p> <p>Wait_____60s__</p> <p>6</p>
<p>465mv_Quality_100%</p> <p>Quality Probe</p> <p>7</p>	<p>⑧</p> 	<p>⑨</p> 
<p>enter cal</p> <p>Press Cal Key 3 Second</p> <p>10</p>	<p>Normal Status</p> <p>11</p>	

Chlorine Probe Calibration

 <p>Get a sample water from the faucet of the probe holder</p> <p>1</p>	<p>Check the chlorine value by handheld controller instrument</p> <p>2</p>	<p>Calibration</p> <p></p> <p>Press Cal Key 3 Seconds Set CL calibration</p> <p>3</p>
<p>Press_cal</p> <p></p> <p>Wait_____10s__</p> <p>4</p>	<p>0.8_ppm</p> <p>The unit flashing a value, set your chlorine value to check by handheld controller instrument (ex. 1.2ppm Free Chlorine)</p> <p>5</p>	<p>1.2__Ppm</p> <p></p> <p>Press Enter Calibration During 10 Seconds</p> <p>Wait_____10s__</p> <p>The unit save the parameters</p> <p>6</p>
<p>CLOse flowrate</p> <p></p> <p>Press Cal key</p> <p>7</p>	<p>Close the flowrate in the probe holder</p>  <p>8</p>	<p>ARE you sure?</p> <p>Select yes, if you are sure that the flowrate is closed and confirm with Enter key.</p> <p>9</p>
<p>Wait_____100s__</p> <p>Wait 100 seconds</p> <p>10</p>	<p>0.0__PPM</p> <p>Press Cal Key Calibration During 10 Seconds</p> <p>Wait_____10s__</p> <p>The unit save the parameters and exit</p> <p>11</p>	



Alarm	Display	Relay	Actions to do
	level__7,2_ph level__1,2ppm	Alarm Relay Close	- Push Enter Key to open Alarm Relay - Restore Product tank
OFA First Alarm (time >70%)	ofa_alarm	Alarm Relay open	- Push Enter Key to reset
OFA Second Alarm (time =100%)	ofa_stop	Alarm Relay Close	- Push Enter Key to reset
Alarm band	Alr band	Alarm Relay Close	- Push Enter Key to reset
Flow Rate	Flow	Alarm Relay Close	- Restore Flow Rate
System Error	Parameter_error	Alarm Relay Open	- Press Enter Key to replace Default parameter - Destroy Unit
Calibration Function	Errore_7_ph Errore_4_ph Errore_465_mv Calibration_ERROR	Alarm Relay open	- Restore Probe or Buffer solution and repeat calibration function

To restore Default parameters run Following steps:

- Power off Elite unit
- Keeping Press UP and DOWN Key switch on the Power.
- The unit will flash **Init.default_no**
- Press up **Init.default_Yes**
- Enter Key to restore Default parameters.



Contact

info@waterpro.co.nz

0800 884 886

Service

service@waterpro.co.nz

Locations

Auckland

Unit 7, 13 Highbrook Drive

East Tamaki

Auckland 2013

Christchurch

19 Hawdon Street

Sydenham

Christchurch 8023

Postal Address

PO Box 12027

Beckenham

Christchurch 8023

New Zealand



waterpro