



**WARNING!**

**Before carrying out ANY work inside control panel of the PoolDose device, make sure you disconnect it from the power supply.**

**Failure to comply with the instructions contained in this manual could cause injury to people and/or damage to the appliance and the system.**

## 1. PACKAGE CONTENT

<b>A:</b> PVC Crystal 4x6 suction hose (4 m)	<b>B:</b> Polyethylene delivery hose (5m)	<b>C:</b> FPM Lip valve (3/8" GAS)	<b>D:</b> PSS3 probe-holder (1/2" GAS)	<b>E:</b> Tapping saddle (φ=50mm)	<b>F:</b> Reducer for injection valve (1/2" M to 3/8" F)
<b>G:</b> Foot filter (PP riser)	<b>H:</b> Mounting bracket kit (φ=6 mm screws)	<b>L:</b> Temperature sensor	<b>M:</b> pH probe	<b>N:</b> ORP probe	<b>O:</b> Probes holder + Chlorine probe
<b>P:</b> Filter Minor (5") + PSS3 probe-holder (1/2" GAS)	<b>Q:</b> Cleaning brush chlorine probe	<b>R:</b> Balls for chlorine probe	<b>S:</b> pH 4 Buffer solution	<b>T:</b> pH 7 Buffer solution	<b>U:</b> 465 mv Calibration solution
<b>V:</b> Water					

Item	System	Double pump	
		PoolDose pH / ORP	PoolDose pH / ORP / CL
A		2	2
B		2	2
C		2	2
D		2	-
E		4 <sup>(*1)</sup>	4 <sup>(*1)</sup>
F		2	2
G		2	2
H		1	1
L		1 <sup>(*2)</sup>	1 <sup>(*2)</sup>
M		1	1
N		1	1
O		-	1
P		-	1
Q		-	1
R		-	1
S		1	1
T		1	1
U		1	1
V		1	1

\*NOTE: The values from the table represent the number of items inside the package.

(\*1 Five pieces for the WiFi model only)

(\*2 One piece for the WiFi model only)

# PoolDose | pH · ORP · Chlorine

## WARNING!

These products are **DANGEROUS (I✳A)** and require special precautions during use, handling and storage.

- **NEVER mix chemical products.**
- NEVER allow children or people who have not read this manual to use or tamper with PoolDose or any of its peripheral components (including chemical products).

### pH chemical products:

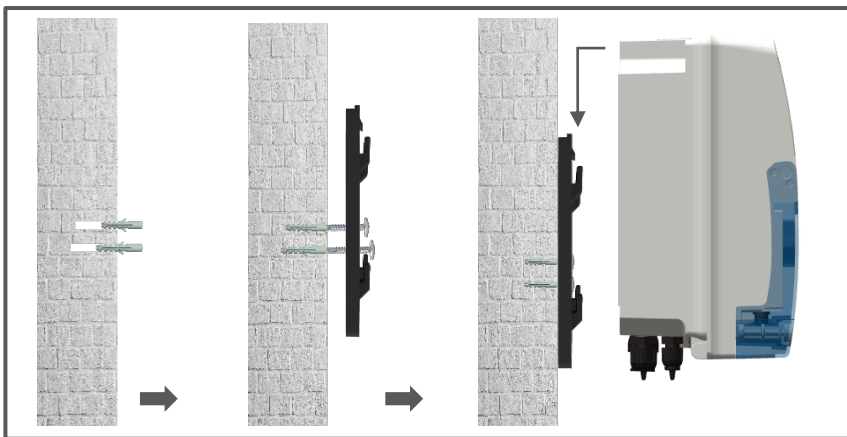
- **ABSOLUTELY** not recommended => pure sulphuric acid
- Recommended for lowering pH => negative pH (with a sulphuric acid base)
- Recommended for raising pH => positive pH (sodium carbonate or bicarbonate)

### ORP chemical products:

- **ABSOLUTELY** not recommended => all types of organic chlorine
- Liquid chlorine or 12% bleach can be used neat. If the product has a concentration of 48%, it is necessary to dilute it in water in a 1:3 ratio.

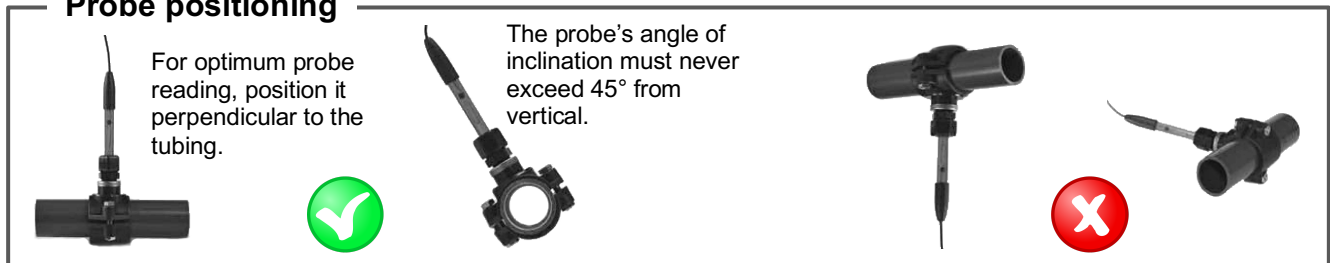
The pH / ORP probes are subject to wear and tear and therefore are not covered by the warranty.

## 2. INSTALLATION INSTRUCTIONS

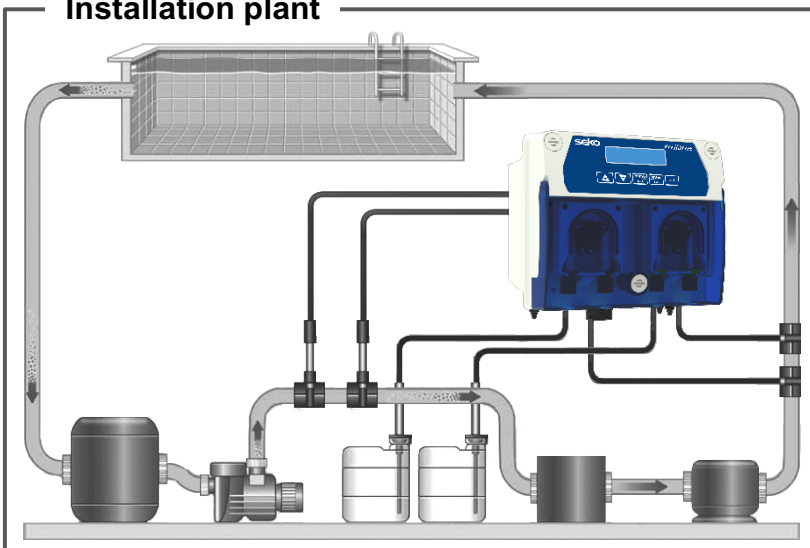


Make sure that the injection pressure is below 1.5 bar

### Probe positioning



### Installation plant



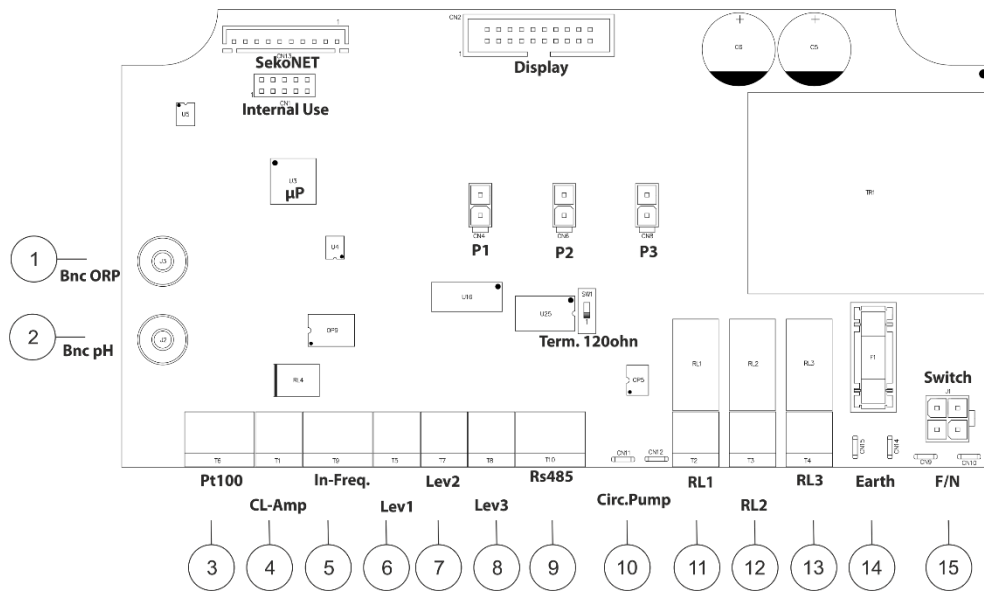
### Warning!

#### Use with salt chlorinator:

For the pH systems, to prevent the risk of system malfunctioning or damage, observe the following instructions:

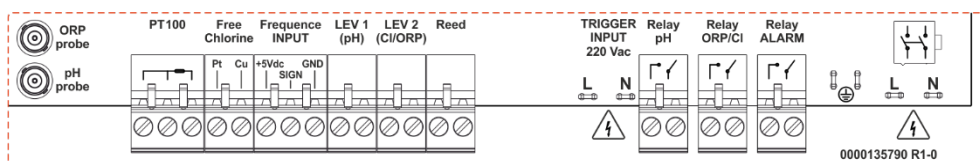
1. Position the pH measuring probe prior to the chlorinator cell.
2. To eliminate eddy currents, connect the pool water to an electrical ground point
3. Position the product injection point after the chlorinator cell.

## 3. ELECTRICAL CONNECTIONS



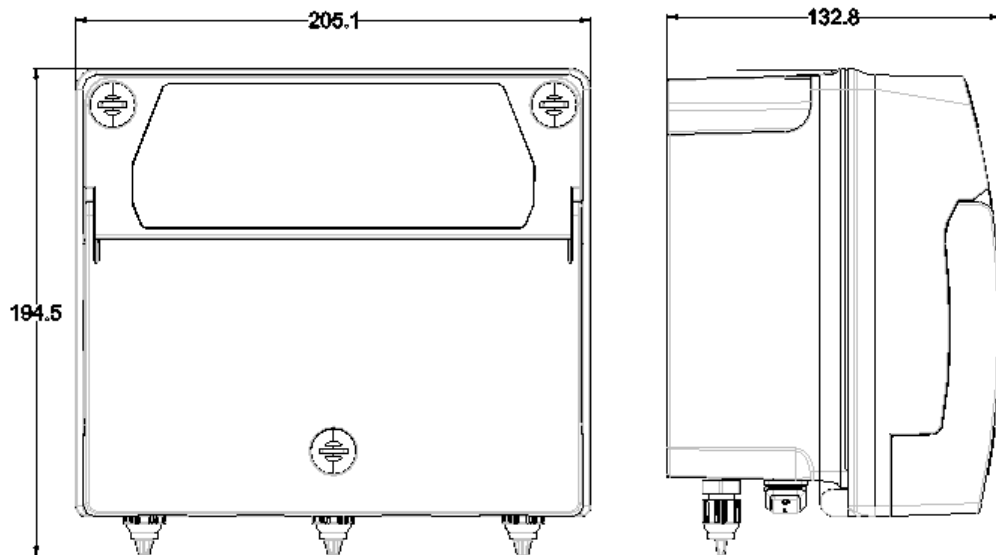
Clamp	Description	Double pump system	
		PoolDose pH · ORP	PoolDose pH · ORP · CL
1	Input Probe	ORP	ORP
2	Input Probe	pH	pH
3	Input Probe	TEMP (PT100)	TEMP (PT100)
4	Input Probe	<b>Not used</b>	Free Chlorine
5	Input Freq. signal	Flow Rate (Freq.Input)	Flow Rate (Freq.Input)
6	Level (product tank)	pH Level probe	pH Level probe
7	Level (product tank)	Chlorine (ORP) level probe	Chlorine level probe
8	Level (External Reed flow sensor)	Flow (REED sensor)	Flow (REED sensor)
9	Serial Port	<b>Not present</b>	<b>Not present</b>
10	Trigger Input 220Vac (High Voltage)	Circulation Pump (220Vac input)	Circulation Pump (220Vac input)
11	Output Relay R1	RL1 AUX1 pH	RL1 AUX1 pH
12	Output Relay R2	RL2 AUX2 OPR/Chlorine	RL2 AUX2 OPR/Chlorine
13	Output Relay R3	RL3 Alarm	RL3 Alarm
14	Earth connector	Earth	Earth
15	Power Supply	220-240 Vac 50-60 Hz (F/N)	220-240 Vac 50-60 Hz (F/N)
P1	Peristaltic pump connection	pH	pH
P2	Peristaltic pump connection	Chlorine (ORP)	Chlorine
P3	Peristaltic pump connection	<b>Not used</b>	<b>Not used</b>
SekoNet	WiFi Module	WiFi card (dedicate code)	WiFi card (dedicate code)

### Label connections



## 4. TECHNICAL SPECIFICATIONS

Specifications	PoolDose Double PH/ORP	PoolDose Double PH/ORP/Chlorine
Dimensions (H-W-D)	H:194,5x W:205,1x D:132,8 mm	H:194,5x W:205,1x D:132,8 mm
Weight	3,5 Kg	3,5 Kg
Pump state	Pause – Supply	Pause – Supply
Probe calibration	Automatic	Automatic
Power supply	220-240 VAC 50-60 Hz Class 2	220-240 VAC 50-60 Hz Class 2
Consumption (W)	28 Watt	28 Watt
Device precision	± 0.1 pH; ±10mV; ±1°C	± 0.1 pH; ±10mV; 0.1 ppm; ±1°C
Accuracy	±0,02pH, ±3mV; ±0,5°C	±0,02pH, ±3mV; 0,05 ppm; ±0,5°C
Range	0-14pH; -99 -1000mV; 0...+55°C	0-14pH; -99 -1000mV; 0-5 ppm; 0...+55°C
Flow rate pump (l/h)	1.5 l/h	1.5 l/h
Max. back-pressure	1.5bar	1.5bar
Relay contact (number 3)	250 Vac 10A (resistive load)	250 Vac 10A (resistive load)
Fuse	500 mA (fast)	500 mA (fast)



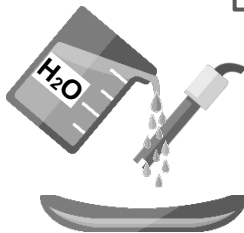
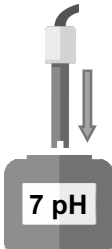




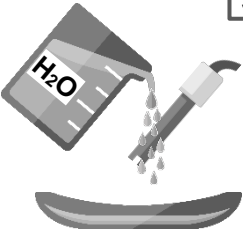
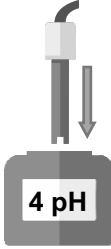



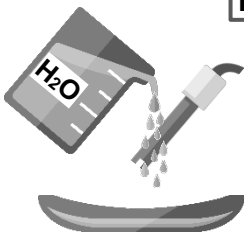




# PoolDose | pH · ORP · Chlorine

## Calibration Menu:


Press **enter cal** (3 seconds) and calibrate probe pH, Chlorine, Temperature, ORP

## 5. pH CALIBRATION


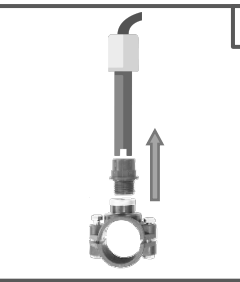
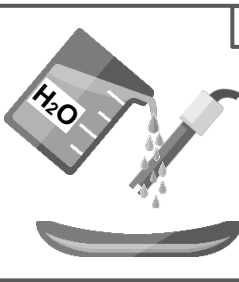
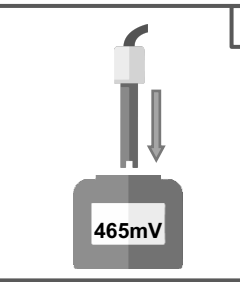
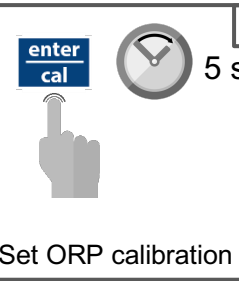
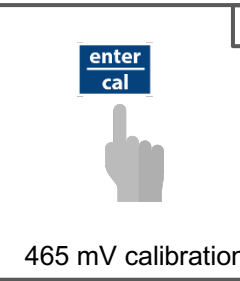
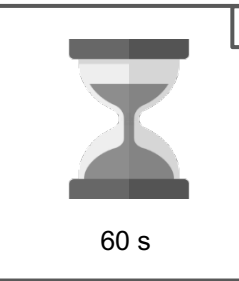
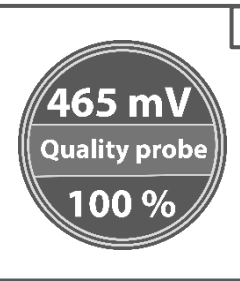
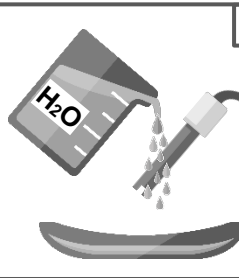
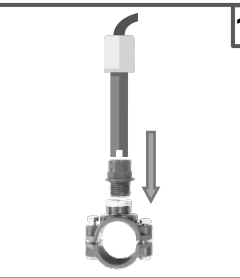

 <p>1</p>	 <p>2</p>	 <p>3</p>	 <p>4</p>
 <p>5</p> <p>Set pH calibration</p>	 <p>6</p> <p>7 pH calibration</p>	 <p>7</p> <p>60 s</p>	 <p>8</p>
 <p>9</p>	 <p>10</p>	 <p>11</p> <p>4 pH calibration</p>	 <p>12</p> <p>60 s</p>
 <p>13</p>	 <p>14</p>	 <p>15</p>	 <p>16</p> <p>Save and exit</p>

**Note:** If you have selected the “1 point cal.”, the calibration will be made only in 1 point using the 7 pH buffer solution.


## Reference calibration

<p>CAL Reference 7.2 pH</p> <p>The unit will flash a pH value Set the value measured with the instrument Ex. 7.4 pH</p>	<p>CAL Reference 7.4 pH</p> 
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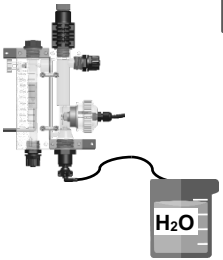
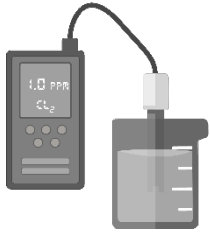
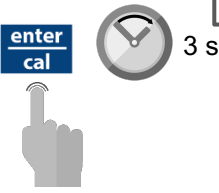





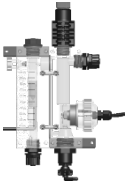




6. ORP CALIBRATION

 <p>1</p>	 <p>2</p>	 <p>3</p>	 <p>4</p>
 <p>5</p> <p>Set ORP calibration</p>	 <p>6</p> <p>465 mV calibration</p>	 <p>7</p> <p>60 s</p>	 <p>8</p>
 <p>9</p>	 <p>10</p>	 <p>11</p> <p>Save and exit</p>	

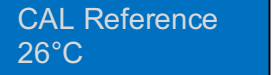
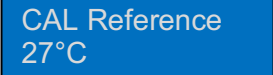

Reference calibration

<p>CAL Reference 720 mV</p> <p>The unit will flash a ORP value Set the value measured with the instrument Ex. 750 mV</p>	<p>CAL Reference 750 mV</p> 
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## 7. CHLORINE CALIBRATION

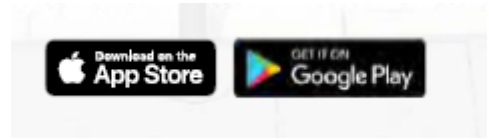
 <p>1</p>	 <p>2</p>	 <p>3</p> <p>3 s</p> <p>Select Cl calibration</p>	 <p>4</p> <p>enter cal</p>
 <p>5</p> <p>10 s</p>	 <p>6</p> <p>The unit will flash a Cl value Set the Cl value measured with the instrument Ex. 1.0 ppm Free Cl</p>	 <p>7</p> <p>1.0 PPM</p> <p>enter cal</p>	 <p>8</p> <p>10 s</p>
<p>9</p> <p>The unit saves the parameters.</p>	<p>10</p> <p>Close flowrate</p> 	<p>11</p> <p>If flowrate is closed</p>  <p>enter cal</p>	<p>12</p>  <p>100 s</p>
 <p>13</p> <p>enter cal</p>	 <p>14</p> <p>10 s</p>	<p>15</p> <p>Save and exit</p>	

## 8. TEMPERATURE CALIBRATION

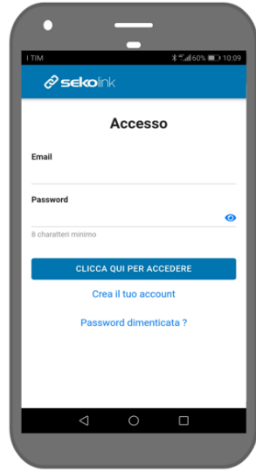
 <p>CAL Reference 26°C</p> <p>The unit will flash a temperature value Set the temperature value measured with the instrument Ex. 27°C</p>	 <p>CAL Reference 27°C</p>  <p>enter cal</p>
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## 9. INTERNAL WEB SERVER

Download **SekoLink**



Register your account



Thanks to QrCode login in internal webpages

Set:

User name= ADMIN

Password= 0000



Set your WiFi lan name and Password and confirm.



Complete your device registration

## PoolDose | pH · ORP · Chlorine

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Thanks to your registration it is possible to use **sekolink** and **sekoweb**.



**sekolink**

Thanks to **sekolink** it is possible to manage your pool:

- Monitoring and limited management
- Smartphone app compatible with iPhone or Android
- For end users



**sekoweb**

Use **sekoweb** address link [www.sekoweb.com](http://www.sekoweb.com) or APP to manage your pools with professional webportal:

- Monitoring and complete management
- Internet portal accessible via online login or by scanning a product's QR code
- For pool and spa installers, technicians and engineers



**EN** For the complete instruction manual, scan the QR-code

**DE** Scannen Sie für komplette Bedienungsanleitung, den QR-Code

**ES** Para el manual de instrucciones completo, escaneo el código QR

**FR** Pour le manuel d'instructions complet, scannez le QR-code

**IT** Per il manuale d'istruzione completo, scansiona il codice QR



<http://bit.ly/pooldose-d>