POOL BASIC EVO DOUBLE

INSTRUCTIONS MANUAL EN

HANDBUCH DE

MANUAL DE INSTALACION ES

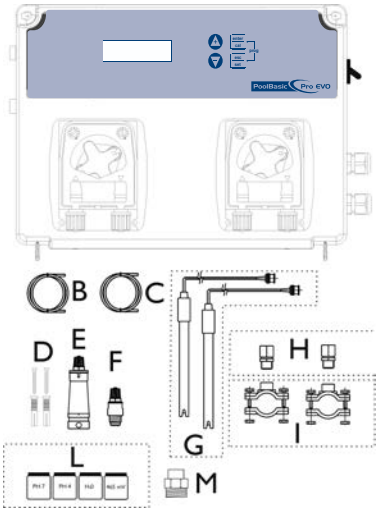
MANUEL D'INSTALLATION FR

MANUALE D'INSTALLAZIONE IT

0000136904 rev. 2.0

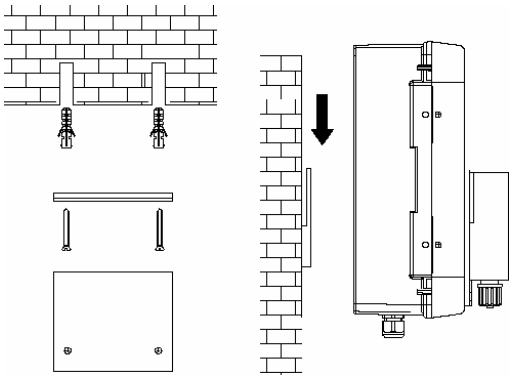
POOL BASIC EVO Double

PACK CONTENTS



A) "Basic POOL Double" pH and REDOX control device
B) PVC Crystal 4x6 with suction device (2 m)
C) Polyethylene delivery hose (3m)
D) Attachment screw (ϕ=6 mm)
E) Foot filter (PVC riser)
F) FPM duckbill valve (3/8" GAS)
G) Probes pH and Redox
H) PSS3 probe-socket (1/2" GAS)
I) Tapping saddle for securing PSS3 onto 2" hose (ϕ=50 mm)
L) pH 4, pH 7, 465 mV, H_2O buffer solution kit
M) Reducer for injection valve

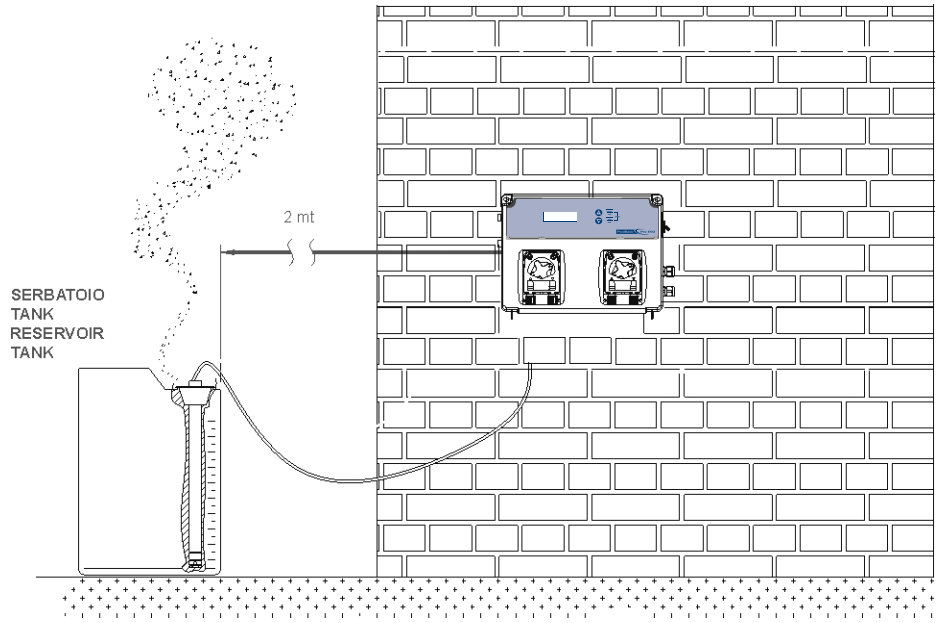
Wall Mounting Setup



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
pH control range	0.0 pH – 14.0 pH
Device precision	+/- 0,1 pH; ± 10 mV
Accuracy	±0.02 pH; ± 3 mV
Electrode regulation	Automatic

ATTENZIONE / WARNING / ATTENTION / ACHTUNG



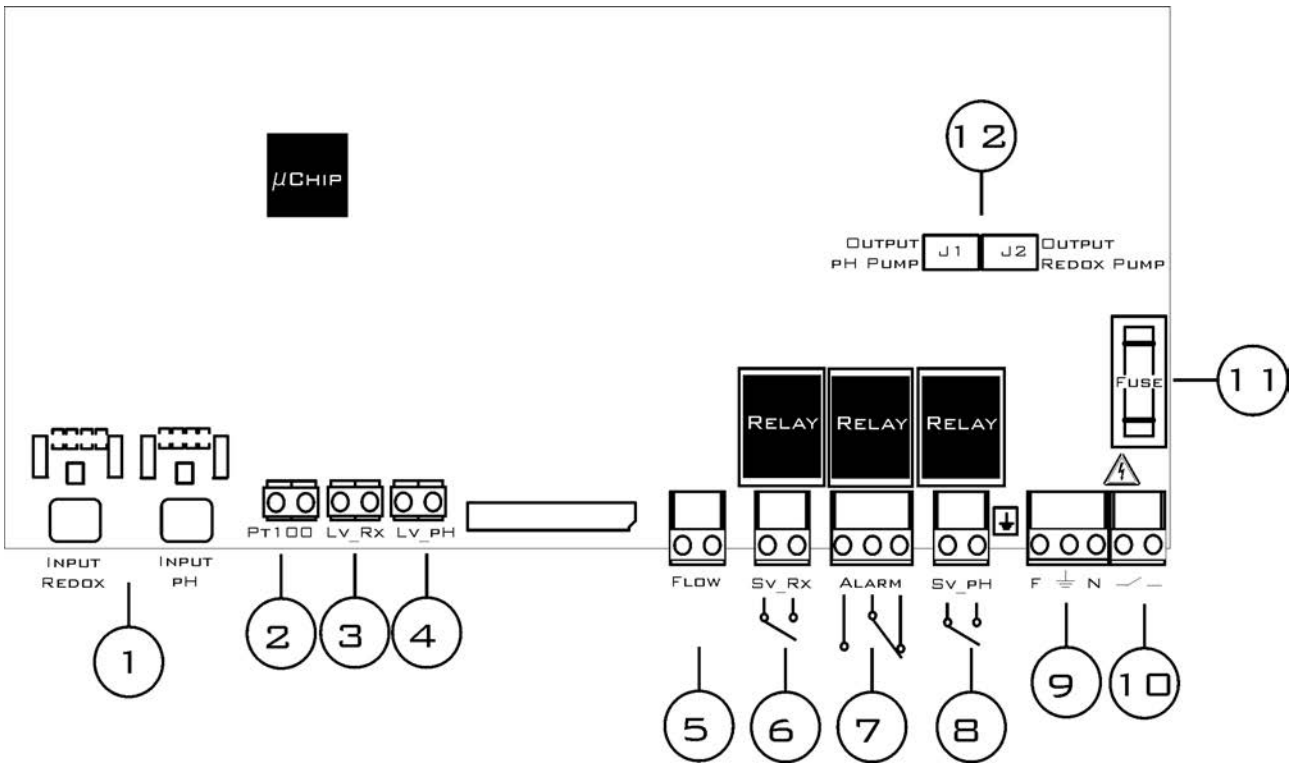
Instruction Setting

Functions:

- Calibration (Press Cal Key for 3 Seconds):
  - Select the calibration routine pH or Redox by Up or Down key.
  - Standard Routine calibration pH probe is 7 and 4 buffer solution and Redox 465 mV buffer solution
- Set Point (Press Set Key):
  - Press Set Key and choose SetPoint and adjust value with Up or Down Key before press Enter and confirm.
    - **Sp_750mv__700_mv_**
    - **Sp_7.4ph___7.6_ph_**
- Press Cal and Set Key (both) for 5 Seconds and run Program Setup:
  - **Program_Menu** (Press Enter to set the following Item)
    - **Language_** (It's possible to have 5 language EN, IT, SP, DE, FR)
    - **Redox_Measure**
      - **setpoint__750_mv** (Adjust value with enter and up or down key) It's possible to adjust from 0 to 1000 mV value for Redox
      - **sp_type__low** (Adjust value LOW or HIGH)
      - **ofa_time_000_min** (Adjust value OFF or set Time)
      - **alarm_band__000_rx** (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) It's possible to adjust from 0 to 14 pH value.
      - **sp_type__acid** (Adjust value ACID or ALKA)
      - **ofa_time_000_min** (Adjust value OFF or set Time)
      - **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)
    - **Flow_**(Adjust value with enter and up or down key Enable or Disable)
      - It's possible to enable(ON) or disable (OFF) signal input
    - **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
  - **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 redox pump
  - **priming____700mv**
- Priming Pump Keep Press Down Key for 1 seconds and priming pH pump
  - **priming____7.2ph**
- Lock pump function
  - Press Up and Enter (both) after 5 second flash **Rx_Stop** press again to unlock
  - Press Down and Esc (both) after 5 second flash **pH_Stop** press again to unlock
- 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.

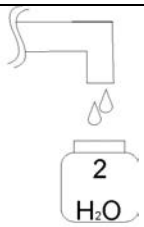
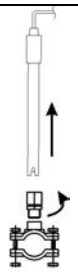
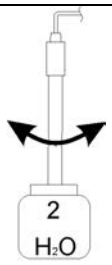
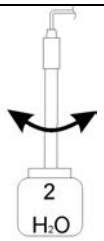
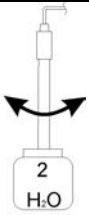
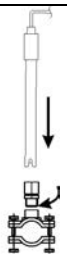
Main board



Wire Connection:

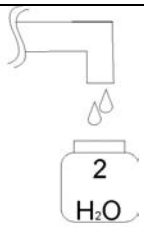
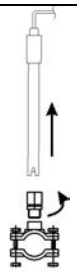
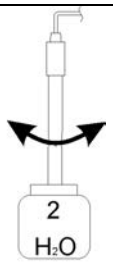
1) Input pH and Redox Probe
2) Input Temperature Probe (PT100)
3) Input Level Probe Redox (Product Tank)
4) Input Level Probe pH (Product Tank)
5) Input Flow Rate (High Voltage 230 Vac)
6) Output Relay Solenoid Valve Redox (Dry contact, Relay 250 Vac 10 A)
7) Output Relay Alarm remote (Dry contact, Relay 250 Vac 10 A)
8) Output Relay Solenoid Valve pH (Dry contact, Relay 250 Vac 10 A)
9) Power Supply 230 Vac
10) Switch Power Supply
11) Fuse 500 mA Delay
12) Output pH (J1) and Redox (J2) pumps

pH Probe Calibration

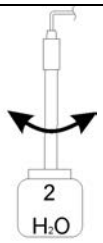
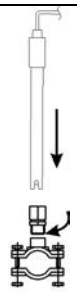
1 	2 	3  Wash
4  Keep probe into Buffer solution	**Calibration** enter cal Press Cal Key 3 Seconds Set pH calibration 5	**Press_cal** enter cal Calibration During 1 minutes **Wait_____60s_** 6
7pH_Quality_100% Quality Probe 7	8  Wash	9  Keep probe into Buffer solution
4pH__Press_cal enter cal Calibration During 1 minutes **Wait_____60s_** 10	**4pH_Quality_100%** Quality Probe 11	12  Wash
13 	enter cal Press Enter Key to save and exit 14	Normal Status 15

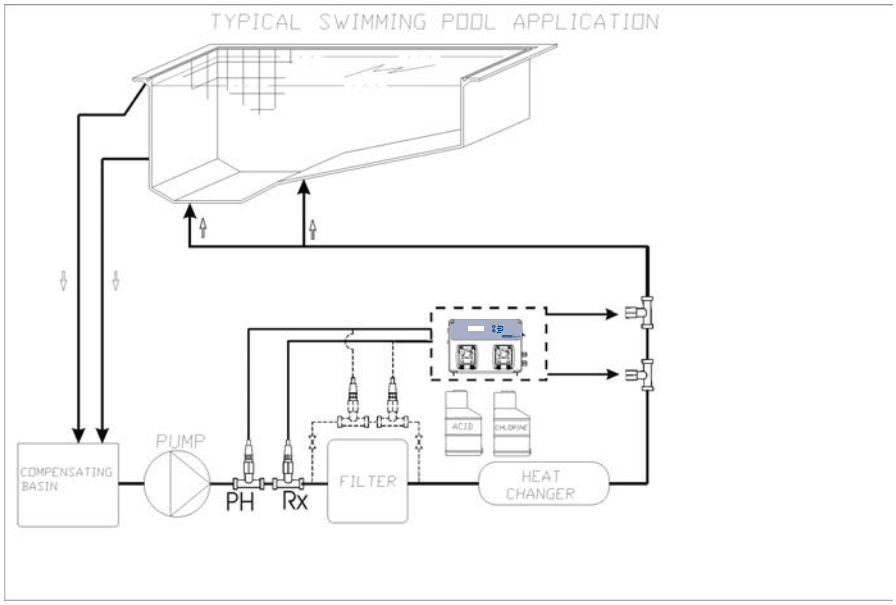
Note:
If you have setting Calibration = Easy the function has 1 point calibrate only 7 pH buffer solution.

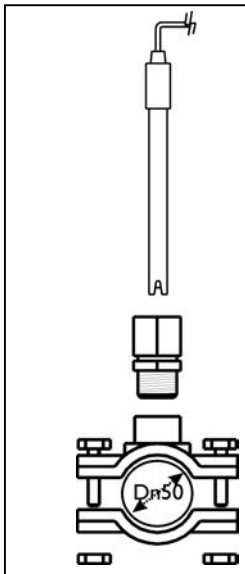
Redox Probe Calibration

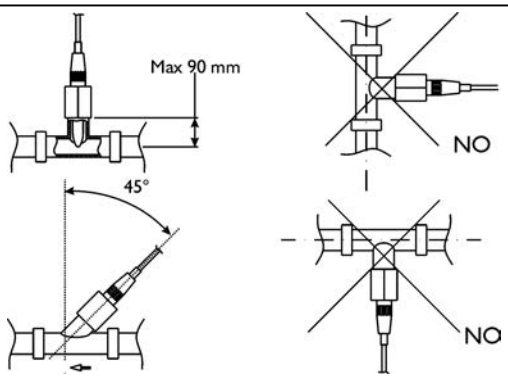
<table>
<tr>
<td>1
 
</td>
<td>2
  </td>
<td>3
 

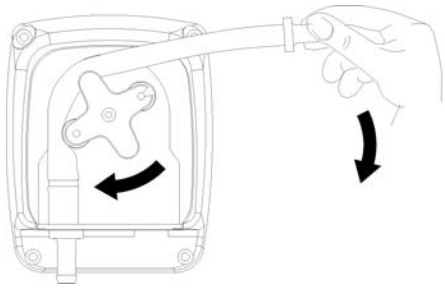
Wash</td>
</tr>
<tr>
<td>4
 

Keep probe into Buffer solution</td>
<td>Calibration
enter
cal
Press Cal Key 3 Seconds
Set Redox calibration
5</td>
<td>465mv__Press_cal
enter
cal
Calibration During 1 minutes
Wait_____60s_
6</td>
</tr>
<tr>
<td>465mv_Quality_100%
Quality Probe
7</td>
<td>8
 
</td>
<td>9
  </td>
</tr>
<tr>
<td>enter
cal
Press Cal Key 3 Second
10</td>
<td>Normal Status
11</td>
<td></td>
</tr>
</table>









Alarm	Display	Relay	Actions to do
Level	**level___7,2_ph**	Alarm Relay Close	- Push Enter Key to open Alarm Relay - Restore Product tank
OFA First Alarm (time >70%)	**ofa_alarm__7,2_ph**	Alarm Relay open	- Push Enter Key to reset
OFA Second Alarm (time =100%)	**ofa_stop__7,2_ph**	Alarm Relay Close	- Push Enter Key to reset
Flow Rate	**Flow_____7,2_ph**	Alarm Relay open	- Restore Flow Rate
System Error	**Parameter_error**	Alarm Relay Open	- Press Enter Key to replace Default parameter - Destroy Unit
Calibration Function	**Error_7_ph** **Error_4_ph** **Error_465_mv**	Alarm Relay open	- Restore Probe or Buffer solution and repeat calibration function

Default parameters:

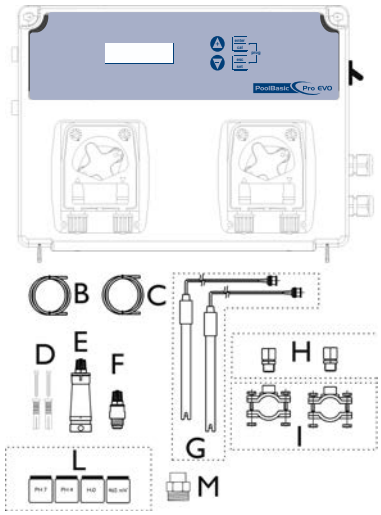
- Language = **UK**
- Set Point value= **7,4 pH; 750 mV (Rx)**
- Dosing Method = **Acid; Low (Rx)**
- Time OFA = **OFF**
- Calibration = **Full**
- Flow Input= **OFF**
- Type dosing= **PROP**

To restore Default parameters run Following steps:

- Power off Pool Basic 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.

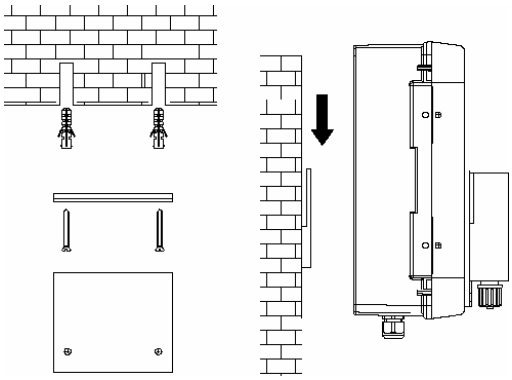
POOL BASIC EVO Doppelsystem

Verpackungsinhalt



A) "Basic POOL Doppelsystem" pH und REDOX Steuereinheit
B) PVC-Ansaugschlauch Crystal 4x6 (2 m)
C) Polyethylen Druckschlauch (3 m)
D) Schraubendübeln (ϕ = 6 mm)
E) Fußfilter (PVC)
F) Rückschlagventil aus FPM (3/8" GAS)
G) pH- und Redox- Sonden
H) PSS3 Sondenhalterung(1/2" GAS)
I) Montagebügel für Schlauch PSS3 2" (ϕ=50 mm)
L) pH 4, pH 7, 465 mV, H_2O Pufferlösungen
M) Reduzierstück für Rückschlagventil

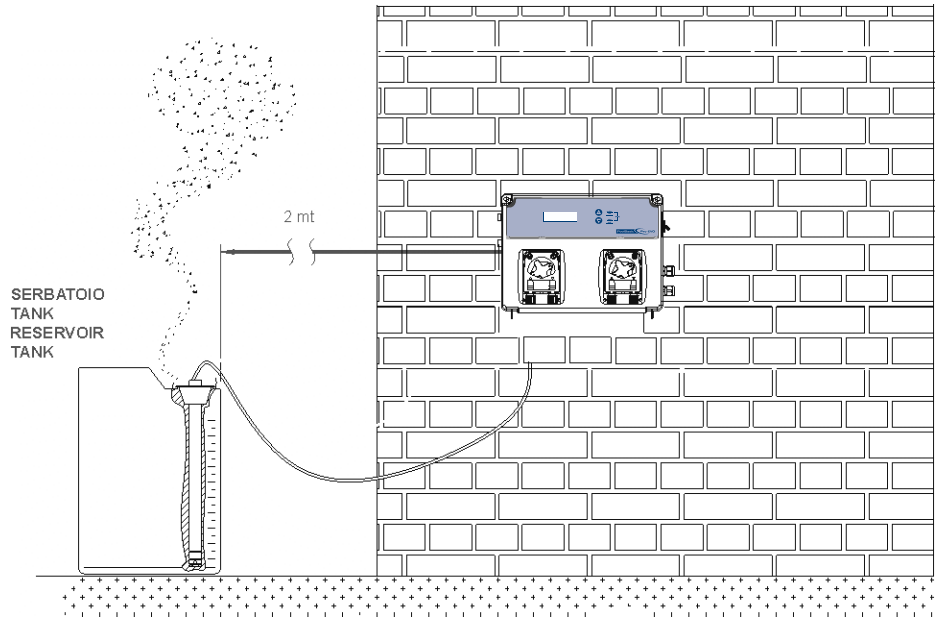
Wandmontage



TECHNISCHE DATEN

Ausmaße (H - B - T)	234x162x108 mm
Gewicht	1 kg
Spannungsversorgung	230 VAC 50-60 Hz
Verbrauch	12 W oder 18 W
Förderleistung der Pumpe	0,4 l/Std.; 1,5 l/Std.; 5 l/Std.
Max. Höchstdruck	1,5 bar
Pumpenaktivierung	Unterbrechung - Betrieb
Messskale	0 ÷ 14.0 pH oder Redox 0 ÷ +1000 mV
Präzision	+/- 0,1 pH; ± 10 mV
Messgenauigkeit:	±0.02 pH; ± 3 mV
Automatische Sondenkalibrierung	Automatica

ATTENZIONE / WARNING / ATTENTION / ACHTUNG



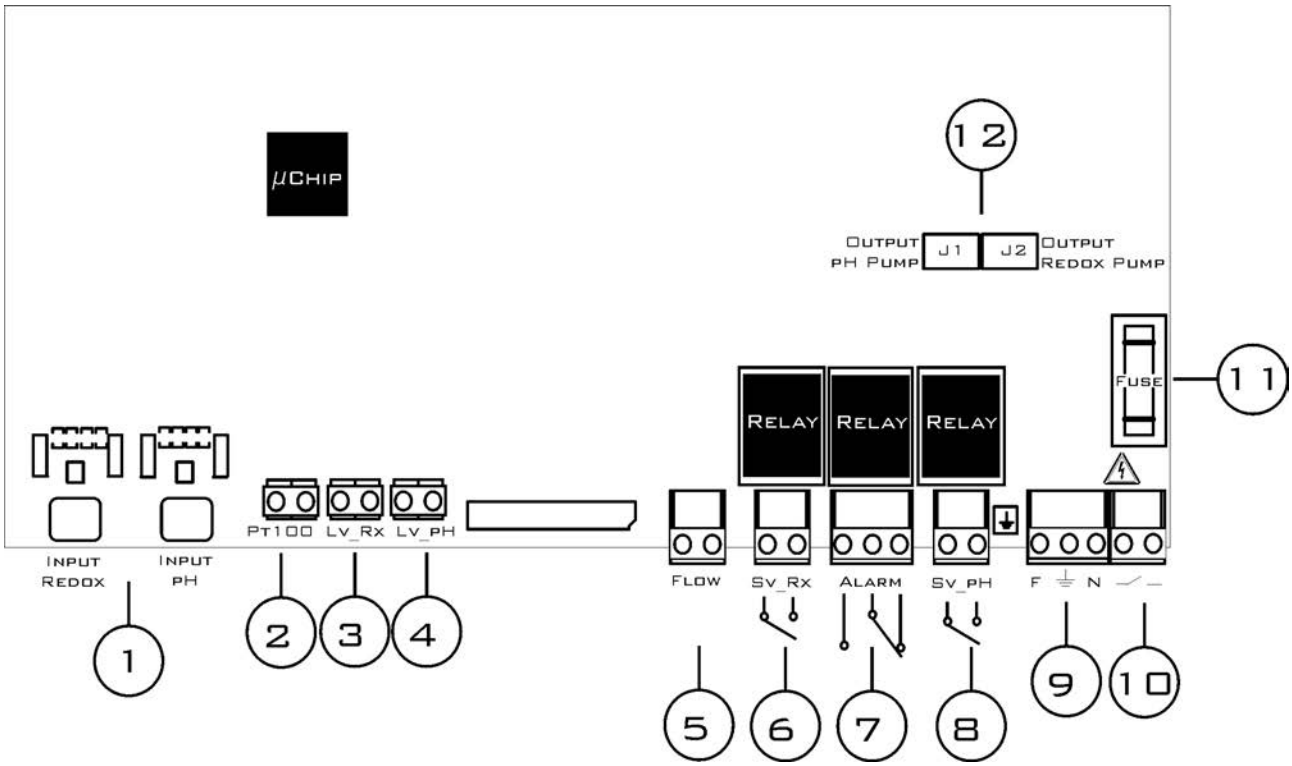
Einstellungen

Funktionen:

- Kalibration (3 Sekunden lang die Taste drücken):
  - Mit den Tasten Auf oder Ab die Sonde auswählen, die kalibriert werden soll (pH oder Redox).
  - Standardfunktion zum Kalibrieren der Sonde mit der Pufferlösung 7 und 4 und 465 mV für Redox.
- Set Point (Taste Set drücken):
  - Die Taste Set drücken und über die Tasten Auf und Ab den Messwert auswählen. Die Taste Enter drücken, um Veränderungen vorzunehmen oder zu bestätigen.
    - **Sp_750mv__700_mv_**
    - **Sp_7.4ph___7.6_ph_**
- Die Tasten Kal und Set (zusammen) 5 Sekunden lang drücken, um das Programmierungs-Setup auszuführen:
  - **parameter**
    - **Sprache_** (Es können 5 Sprachen eingestellt werden EN, IT, SP, DE, FR)
    - **Rx_Messung**
      - **setpoint__750_mv** (Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern). Für Redox kann ein Wert zwischen 0 und 1000 mV eingestellt werden.
      - **sp_type__low** (Den Wert LOW oder HIGH verändern)
      - **Ofa_Zeit__OFF** (Den Wert OFF oder die benötigte Zeit verändern)
      - **alr_band_100_mv** (Den Wert zwischen 100 und 300 mV verändern)
      - **Type_PROP** (Den Wert zwischen OFF, PROP oder ON/OFF)
    - **pH_Messung**
      - **setpoint___7.4ph** (Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern). Es kann ein Wert zwischen 0 und 14 pH eingestellt werden.
      - **sp_type__acid** (Den Wert ACID oder ALKA verändern)
      - **Ofa_Zeit__off** (Den Wert OFF oder die benötigte Zeit verändern)
      - **alr_band_1.0_ph** (Den Wert zwischen 1 pH und 3 pH verändern)
      - **Temp_25*C_**(Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern). Nur pH.
      - **Type_PROP** (Den Wert zwischen OFF, PROP oder ON/OFF)
    - **fluss_**(Den Wert mit der Taste Enter und den Tasten Auf oder Ab verändern).
      - Es kann aktiviert (ON) oder deaktiviert (OFF) für das Eingangssignal eingegeben werden.
    - **Kalibration_**(Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern)
      - **Full** (pH 7 und 4, Redox 465 mV Pufferlösungen)
      - **Easy** (pH 7 und 4, Redox 465 mV Pufferlösungen)
      - **Aus** (Deaktiviert)
    - **Password**(Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern, Standardwert **0000**)
- Speichern und Verlassen des Menüs mit der Taste ESC
  - **Verlassen____nein**(Den Wert mit der Taste Enter und den Tasten Auf und Ab verändern und mit Enter bestätigen)
- Zum Ansaugen der Pumpe die Taste Auf 3 Sekunden lang gedrückt halten und die Redox-Pumpe saugt an
  - **ansaugung____700mv**
- Zum Ansaugen der Pumpe die Taste Auf 3 Sekunden lang gedrückt halten und die pH-Pumpe saugt an
  - **ansaugung____7.2ph**
- Funktion Pumpensperre
  - Auf und Enter (zusammen) drücken, nach 5 Sekunden wird **Stopp_rx** angezeigt. Zum Entsperren erneut drücken.
  - Auf und Enter (zusammen) drücken, nach 5 Sekunden wird **Stopp_pH** angezeigt. Zum Entsperren erneut drücken.
- Das System führt eine zur Messung gegenüber dem Set-Point proportionale Dosierung aus (25% minimale Dosierung, maximale Dosierung 90% von 10 Minuten Zeit als Dosierdauer)

Anmerkungen: Das System verlässt nach 1 Minute automatisch das Menü, das System speichert keinen der Parameter.

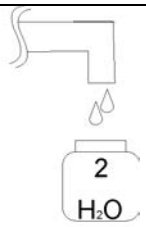
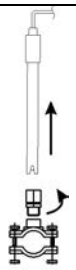
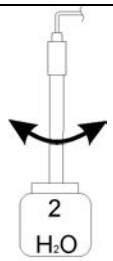
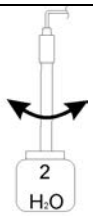
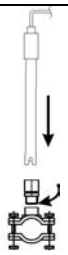
Hauptplatine



Kabelanschluss:

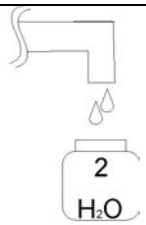
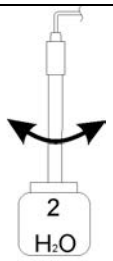
1) Eingang Sonde pH/Redox**
2) Eingang Temperatursonde (PT100)
3) Eingang Füllstandssonde Redox (Produkt im Tank)
4) Eingang Füllstandssonde pH (Produkt im Tank)
5) Eingang Zuflusssignal (Durchflussrate) [elektrisches Signal 230 Vac]
6) Ausgang Relais für Elektroventil Redox (Kontakt sauber, Relais 250 Vac, 10 A)
7) Ausgang Relais für Alarm (Kontakt sauber, Relais 250 Vac, 10 A)
8) Ausgang Relais für Elektroventil pH (Kontakt sauber, Relais 250 Vac, 10 A)
9) Stromversorgung des Systems 230 Vac 50-60 Hz.
10) Stromunterbrechungsschalter
11) 500 mA träge Sicherung
12) Ausgang pH-Pumpe (J1) und Redox-Pumpe (J2)

Kalibrierung der pH-Sonde

1  	2 	3  Die Sonde spülen
4  Die Sonde in die Pufferlösung halten	**Kalibration** enter cal Die Taste Kal 3 Sekunden lang drücken pH-Kalibrierung einstellen 5	**Kal_drucken** enter cal Kalibrierungsdauer 1 Minute **60s__pause_** 6
7pH_Qualitat_100% Qualität der Sonde 7	8  Die Sonde spülen	9  Die Sonde in die Pufferlösung halten
4pH_Kal_drucken enter cal Kalibrierungsdauer 1 Minute **60s__pause_** 10	**4pH_Qualitat_100%** Qualität der Sonde 11	12  Die Sonde spülen
13 	enter cal Zum Speichern die Taste Enter drücken und die Kalibrierung verlassen 14	Normalzustand 15

Anmerkungen
Wenn Kalibrierung = Easy eingegeben wurde, wird die Funktion für 1 Punkt erfolgen, nur Pufferlösung 7 pH.

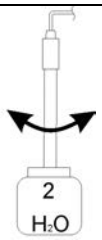
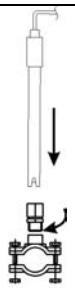
Kalibrierung der Redox-Sonde

<table>
<tr>
<td>1
 
</td>
<td>2
  </td>
<td>3
 

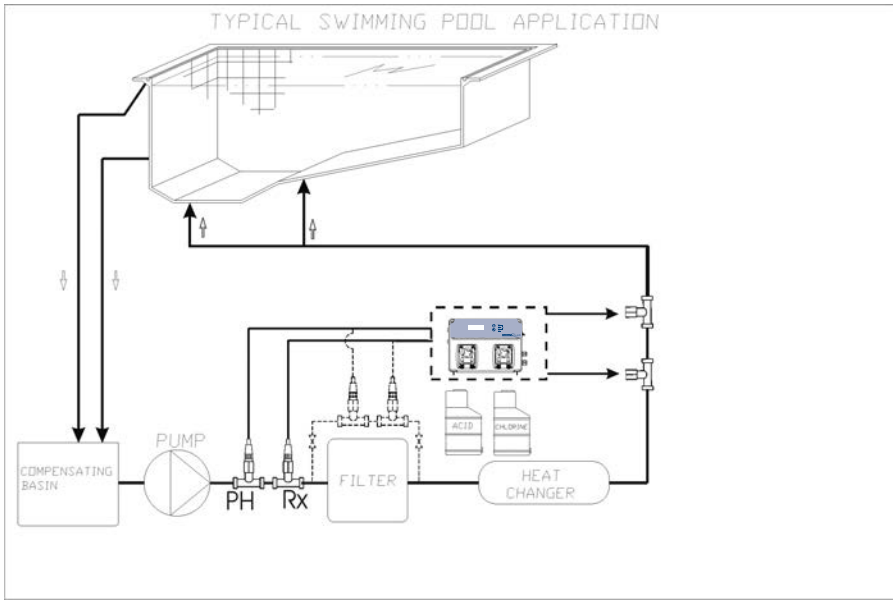
Die Sonde spülen</td>
</tr>
<tr>
<td>4
 

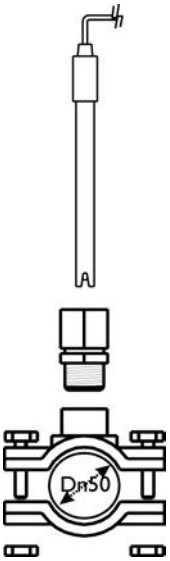
Die Sonde in die Pufferlösung halten</td>
<td>Kalibration
 

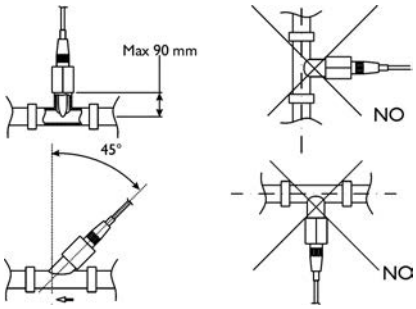
Die Taste Kal 3 Sekunden lang drücken
Redox-Kalibrierung einstellen
5</td>
<td>465mv_Kal_Drucken
 

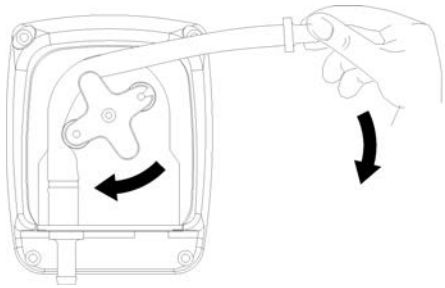
Kalibrierungsdauer 1 Minute
60s_pause_
6</td>
</tr>
<tr>
<td>465mv_Qualitat_100 %
Qualität der Sonde
7</td>
<td>8
 
</td>
<td>9
  </td>
</tr>
<tr>
<td> 

Die Taste Kal 3 Sekunden lang drücken
10</td>
<td>Normalzustand
11</td>
<td></td>
</tr>
</table>









Alarm	Display	Relais	Abhilfe
Füllstandsalarm	**Fullstand__7,2_ph** **Fullstand__720_mv**	Alarm Relais geschlossen	- Die Taste Enter drücken, um das Alarmrelais zu offen - Produkt im Produkttank auffüllen
Erster OFA-Alarm (Zeit >70%)	**alr_ofa_7,2_ph**	Alarm Relais geöffnet	- Enter drücken, um ein Reset durchzuführen
Zweiter OFA-Alarm (Zeit >100%)	**stop_ofa__7,2_ph**	Alarm Relais geschlossen	- Enter drücken, um ein Reset durchzuführen
Durchfluss	**Durchfluss____7,2_ph**	Alarm Relais geöffnet	- Durchfluss wieder herstellen
Systemfehler	**Parameter_error**	Alarm Relais geöffnet	- Enter drücken, um die Werkseinstellungen wieder herzustellen - Einheit kaputt
Kalibrierungsfehler	Falsch_7_ph Falsch_4_ph Falsch_465_mv	Alarm Relais geöffnet	- Sonde oder Pufferlösung austauschen und die Kalibrierung durchführen

Werksparameter:

- Sprache = **UK**
- SetPoint Wert = **7,4 pH; 750 mV (Rx)**
- Dosiermethode = **Acid; Low (Rx)**
- OFA-Zeit = **OFF**
- Kaliebrierung = **Full**
- Durchflusseingang = **OFF**
- Type-Dosier = **PROP**

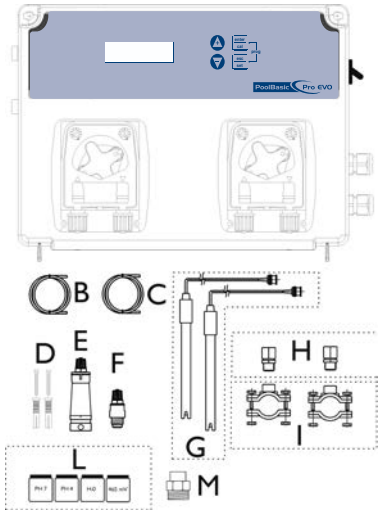
Um die Werkseinstellungen wieder herzustellen:

- Das System ausschalten
- Die Tasten AUF und AB zusammen gedrückt halten und das System einschalten.
- Das System zeigt folgendes an: **Initial_storung_no**
- AUF drücken **Initial_storung_Yes**
- Enter drücken, um die Werkseinstellungen wieder herzustellen

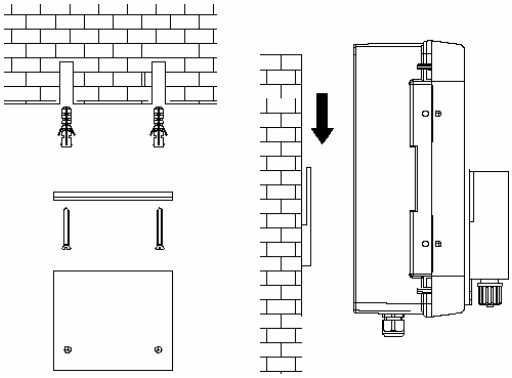
POOL BASIC EVO Doble

Contenido del embalaje:

A) Unidad de control "Basic POOL Doble" pH y REDOX
B) Tubo de aspiración en PVC Crystal 4x6 (2 m)
C) Tubo de envío en polietileno (3m)
D) Tornillos con tacos (ϕ = 6 mm)
E) Filtro de fondo (PVC)
F) Válvula de retención en FPM (3/8" GAS)
G) Sondas pH y Redox
H) PSS3 porta sonda (1/2" GAS)
I) Soporte de montaje para PSS3 para tubo de 2 pulgadas (ϕ=50 mm)
L) pH 4, pH 7, 465 mV, H_2O soluciones tampón
M) Reducción para la válvula antirretorno



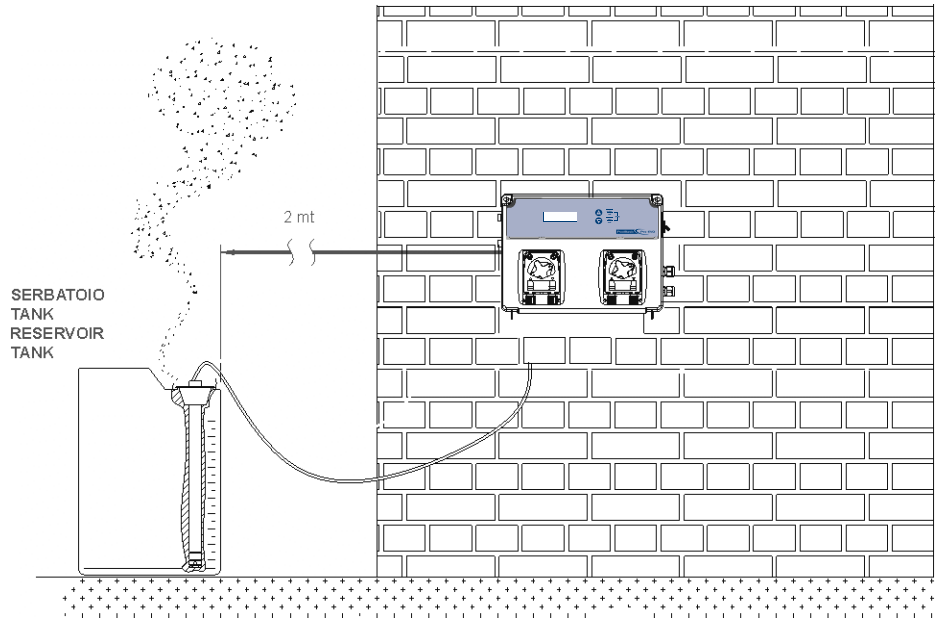
Montaje en pared



CARACTERÍSTICAS TÉCNICAS

Dimensiones (A – A– L)	234x162x108 mm
Peso	1 kg
Alimentación	230 VCA 50-60 Hz
Consumo	12 W o 18 W
Caudal bomba	0,4l/h; 1,5 l/h; 5 l/h
Presión máxima	1,5 bar
Accionamiento de la bomba	Pausas - Trabajo
Escala de medida	0÷14,0 pH; Redox 0÷+1000 mV
Precisión	+/-0,1 pH; ±10 mV
Precisión	±0,02 pH; ± 3 mV
Calibración sonda	Automática

ATENCIÓN



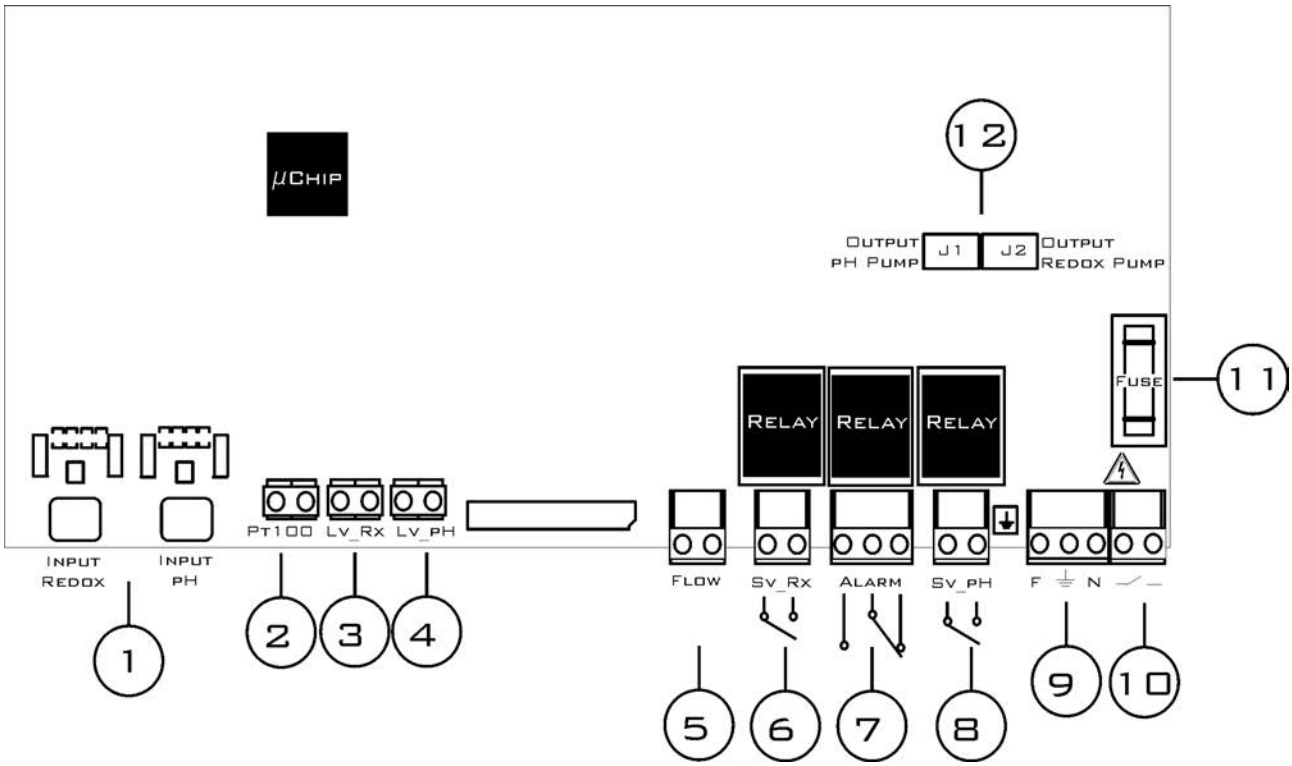
Configuraciones

Funciones:

- Calibración (Pulsar la tecla Cal por 3 segundos):
  - Seleccionar la sonda a calibrar pH o Redox con las teclas Arriba o Abajo.
  - Función Estándar de calibración de la sonda con la solución tampón 7 y 4 y 465 mV para el Redox.
- Punto de Ajuste (Pulsar la tecla Ajs):
  - Pulsar la tecla Ajs y seleccionar la medida utilizando las teclas Arriba y Abajo, pulsar la tecla Intro para modificar y confirmar.
    - **Sp_750mv__700_mv_**
    - **SP_7.4ph___7.6_ph_**
- Pulsar las teclas Cal y Ajs (juntas) por 5 segundos y se ejecutará la Configuración de programación:
  - **programacion**
    - **Idioma_** (Se puede elegir entre 5 idiomas disponibles (EN, IT, SP, DE, FR)
    - **Medida_Redox**
      - **setpoint__750_mv** (Modificar el valor con la tecla Intro y las teclas Arriba y Abajo) Se puede configurar el valor entre 0 y 1000 mV para Redox
      - **dosif.__bajo**(Modificar valor BAJO o ALTO)
      - **tiempo_ofa__OFF** (Modificar el valor OFF o el Tiempo necesario)
      - **alr_band_100_rx** (Modificar el valor de 100 a 300 mV)
      - **Type_PROP** (Modificar el valor entre OFF, PROP o ON/OFF)
    - **setpoint_ph**
      - **Setpoint___7.4ph** (Modificar el valor con la tecla Intro y las teclas Arriba y Abajo) Se puede configurar el valor entre 0 y 14 pH
      - **Dosif.__acido**(Modificar valor ÁCIDO o ALCALINO)
      - **tiempo_ofa__off** (Modificar el valor OFF o el Tiempo necesario)
      - **alr_band_1.0_ph** (Modificar el valor de 1 pH a 3 pH)
      - **Temp_25*C_**(Modificar el valor con la tecla Intro y las teclas Arriba y Abajo) sólo pH.
      - **Type_PROP** (Modificar el valor entre OFF, PROP o ON/OFF)
    - **Flujo_**(Modificar el valor con la tecla Intro y las teclas Arriba o Abajo)
      - Se puede programar Habilitado (On) o Deshabilitado (OFF) para la señal de entrada.
    - **Calibracion**(Modificar el valor con la tecla Intro y las teclas Arriba y Abajo)
      - **Full** (pH 7 y 4, Redox 465 mV Soluciones tampón)
      - **Easy** (pH 7, Redox 465 mV Soluciones tampón)
      - **Off** (Deshabilitado)
    - **Password**(Modificar el valor con la tecla Intro y las teclas Arriba y Abajo, valor estándar **0000**)
- Guardar y salir del Menú con la tecla SAL
  - **Salin____no/SI**(Modificar el valor con la tecla Intro y las teclas Arriba y Abajo y confirmar con Intro)
- Cebado Bomba mantener pulsada la tecla Arriba para 3 segundos y la bomba Redox empieza el cebado
  - **cebado____700mv**
- Cebado Bomba mantener pulsada la tecla Abajo para 3 segundos y la bomba pH empieza el cebado
  - **cebado____7.2ph**
- Función Bloqueo Bombas
  - Pulsar Arriba e Intro (juntas), al cabo de 5 segundos se visualiza **paro_Rx** pulsar nuevamente para desbloquear
  - Pulsar Abajo e Intro (juntas), al cabo de 5 segundos se visualiza **paro_ph** pulsar nuevamente para desbloquear
- El sistema efectúa una dosificación proporcional a la medida con respecto al Punto de Ajuste (25% dosificación mínima, dosificación máxima 90% de 10 minutos de tiempo como periodo de dosificación)

Notas: El sistema sale automáticamente del Menú al cabo de 1 minuto de tiempo, el sistema no guarda ningún parámetro.

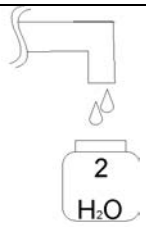
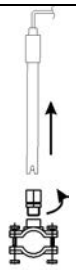
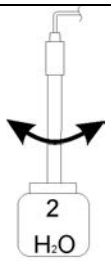
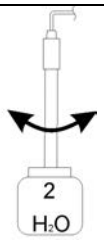
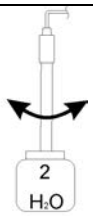
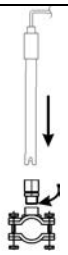
Placa principal



Conexión cables:

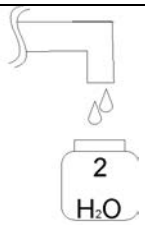
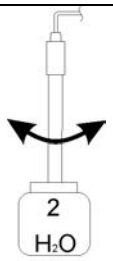
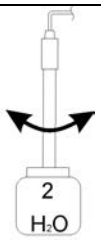
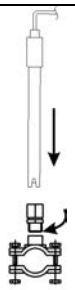
1) Entrada sonda pH y Redox
2) Entrada sonda Temperatura (PT100)
3) Entrada sonda Nivel Redox (Producto en el depósito)
4) Entrada sonda Nivel pH (Producto en el depósito)
5) Entrada señal Flujo (Caudal) [Señal eléctrica 230 Vca]
6) Salida Relé para Electroválvula Redox (Contacto limpio, Relé 250 Vca 10 A)
7) Salida Relé para Alarma (Contacto limpio, Relé 250 Vca 10 A)
8) Salida Relé para Electroválvula pH (Contacto limpio, Relé 250 Vca 10 A)
9) Alimentación sistema 230 Vca 50-60 Hz
10) Interruptor de alimentación
11) Fusible 500mA retardado
12) Salida bomba pH (J1) y bomba Redox (J2)

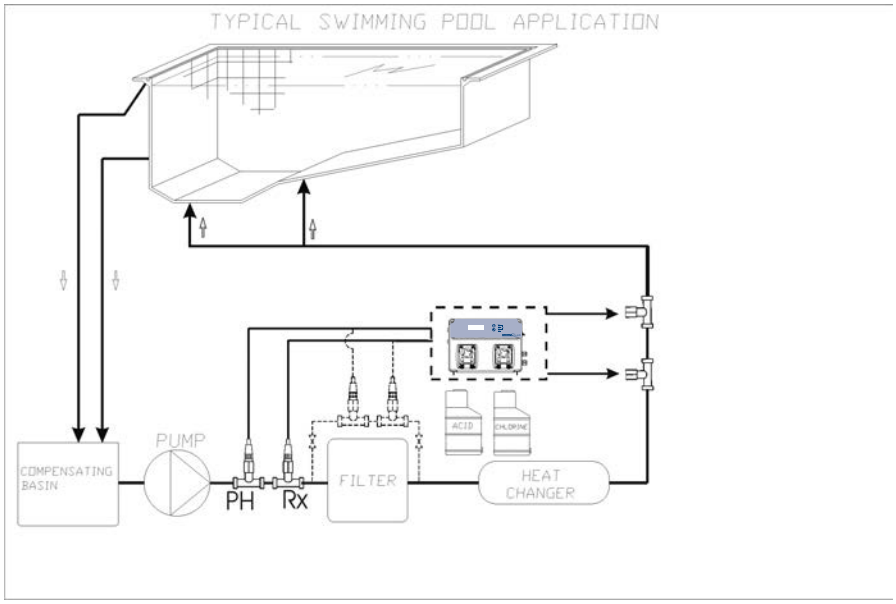
Calibración sonda pH

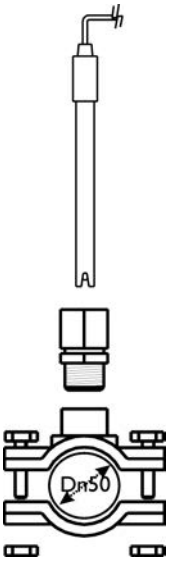
1 	2 	3  Lavar la sonda
4  Conservar la sonda en la solución tampón	**Calibracion** enter cal Pulsar la tecla Cal por 3 segundos programar calibración pH 5	**Pulsar_cal** enter cal Duración calibración 1 minuto **Espere__60s_** 6
7pH_Calidad_100% Calidad sonda 7	8  Lavar la sonda	9  Conservar la sonda en la solución tampón
4pH__Pulsar_cal enter cal Duración calibración 1 minuto **Espere__60s_** 10	**4pH_Calidad_100%** Calidad Sonda 11	12  Lavar la sonda
13 	enter cal Pulsar tecla Intro guardar salir 14	Estado Normal 15

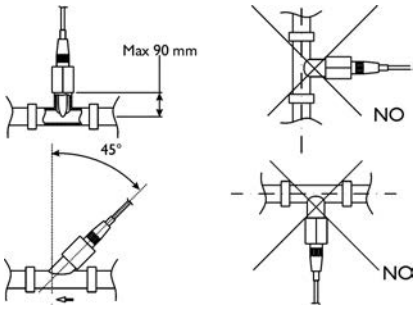
Notas:
Si ha sido configurado Calibración = Fácil la función será para 1 punto, sólo solución tampón 7 pH.

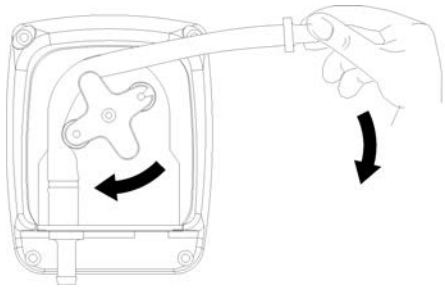
Calibración sonda Redox

1  	2 	3  Lavar la sonda
4  Conservar la sonda en la solución tampón	**Calibración** enter cal Pulsar la tecla Cal por 3 segundos programar calibración Redox 5	**465mv_Pulsar_cal** enter cal Duración calibración 1 minuto **espere_60s_** 6
465mv_Calidad_100 % Calidad Sonda 7	8  	9 
enter cal Pulsar la tecla Cal por 3 segundos 10	Estado Normal 11	









Alarma	Display	Relé	Acción a efectuar
Nivel	**nivel__7,2_ph** **nivel__720_mv**	Alarma Relé Cerrada	- Pulsar la tecla Intro para abrir Alarma Relé - Restablecer el producto en el depósito
OFA Primera Alarma (tiempo > 70%)	**alr_ofa__7,2_ph**	Alarma Relé Abierta	- Pulsar Intro para restablecer
OFA Segunda Alarma (tiempo = 100%)	**paro_ofa__7,2_ph**	Alarma Relé Cerrada	- Pulsar Intro para restablecer
Flujo	**caudal____7,2_ph**	Alarma Relé Abierta	- Restablecer Flujo
Error de Sistema	**Parameter_error**	Alarma Relé Abierta	- Pulsar Intro para restablecer parámetros predefinidos - Unidad rota
Error Calibración	**Incorrecto_7_ph** **Incorrecto_4_ph** **Incorrecto_465_mv**	Alarma Relé Abierta	- Sustituir sonda o solución tampón y efectuar la calibración

Parámetros de fábrica:

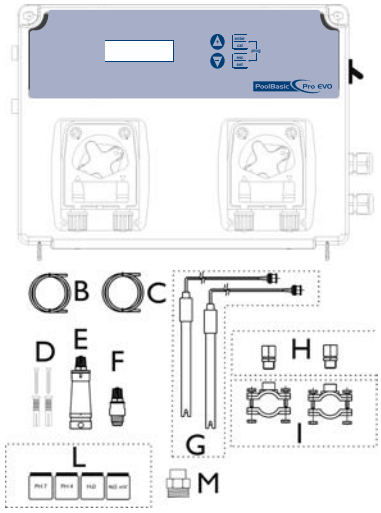
- Idioma = **UK**
- Valor Punto de Ajuste = **7,4 pH; 750 mV (Rx)**
- Método Dosificación = **Ácido bajo (Rx)**
- Tiempo OFA = **OFF**
- Calibración = **Lleno**
- Entrada Flujo = **OFF**
- Type Dosificación = **PROP**

Para restablecer los parámetros de fábrica:

- Apagar el sistema
- Mantener pulsadas las teclas Arriba y Abajo juntas y poner en marcha el sistema.
- El sistema visualizará **Init.default_no**
- Pulsar ARRIBA **Init.default_Yes**
- Pulsar la tecla Intro para restablecer los parámetros de fábrica.

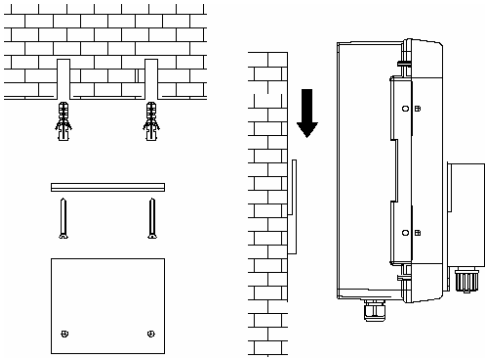
POOL BASIC EVO Double

Contenu de l'emballage :



A) « Basic POOL Doppio » unité de contrôle pH - RÉDOX
B) Tuyau d'aspiration PVC Crystal 4x6 (2 m)
C) Tuyau de refoulement en Polyéthylène (3m)
D) Chevilles (ϕ = 6 mm)
E) Filtre d'aspiration (PVC)
F) Clapet anti-retour en Viton FPM (3/8" GAZ)
G) Sondes pH et Rédox
H) PSS3 porte-sonde (1/2" GAZ)
I) Bride de montage pour tuyau PSS3 2" pouces (ϕ=50 mm)
L) Kit solutions tampon pH 4, pH 7, 465 mV, H_2O
M) Raccord pour clapet anti-retour

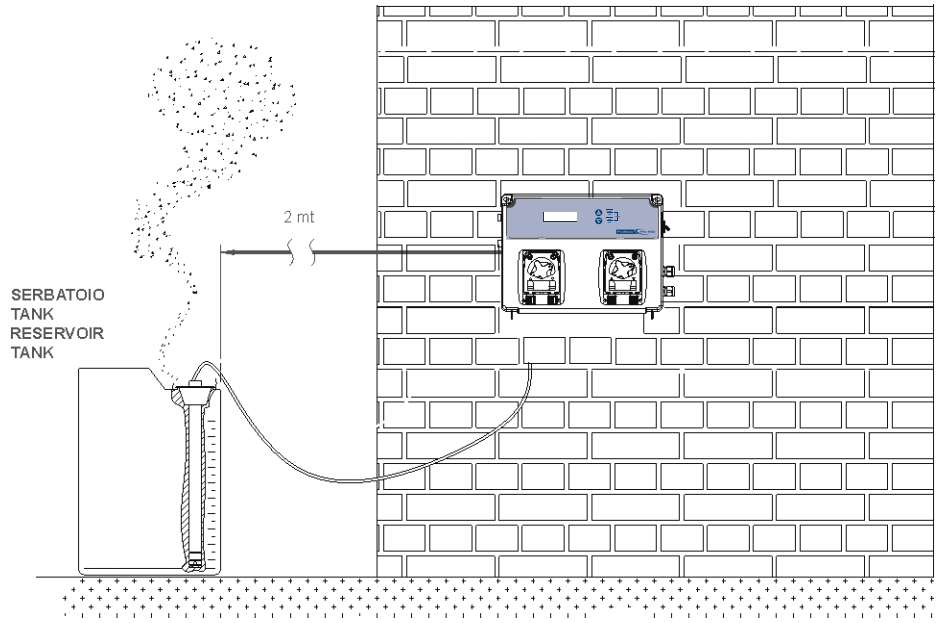
Fixation murale



CARACTERISTIQUES TECHNIQUES

Dimensions (A – L – P)	234x162x108 mm
Poids	1 kg
Alimentation	230 Vc.a. 50-60 Hz
Consommation	12 W ou 18 W
Débit de la pompe	0,4 l/h; 1,5 l/h ; 5 l/h
Pression maximale	1,5 bar
Actionnement pompe	Activation - Pause
Échelle de mesure	0 ÷ 14,0 pH ou Redox 0 ÷ +1000 mV
Précision	+/- 0,1 pH; ±10 mV
Exactitude	±0,02 pH ; ± 3 mV
Étalonnage sonde	Automatique

ATTENZIONE / WARNING / ATTENTION / ACHTUNG



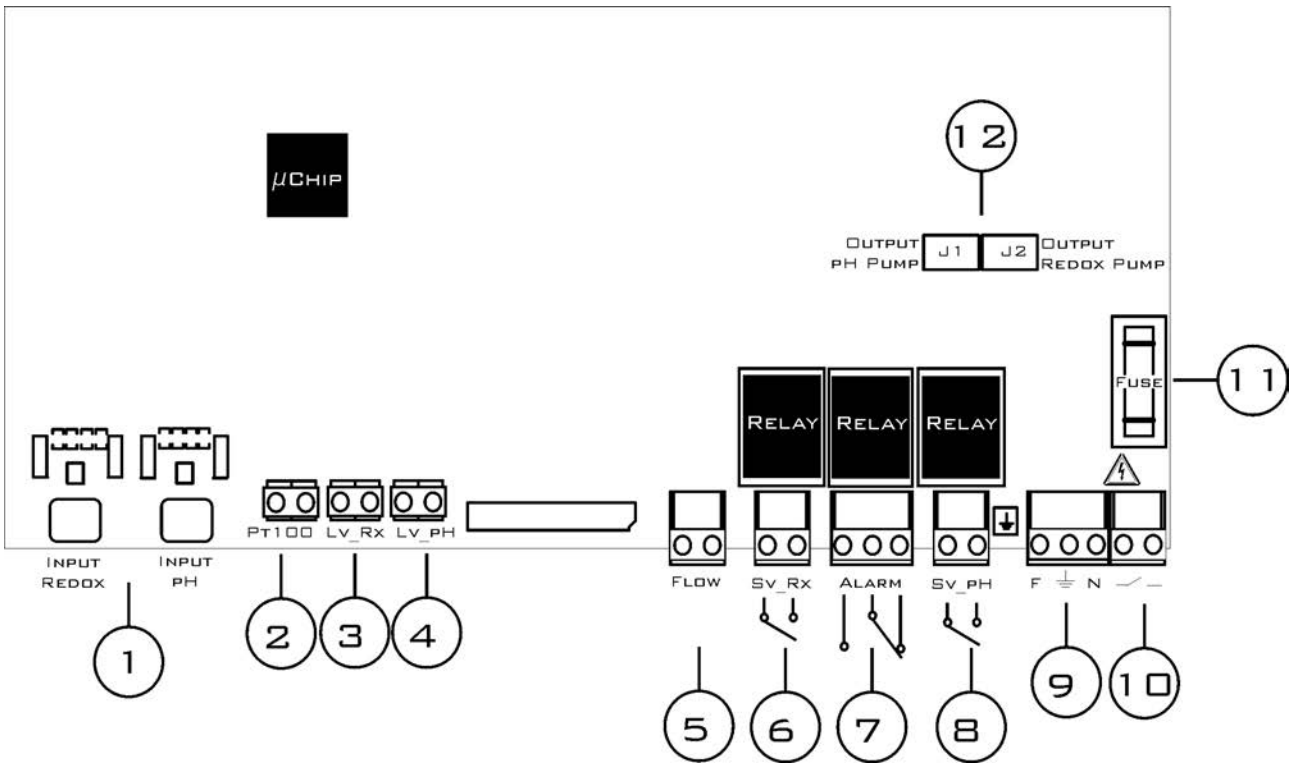
Réglages

Fonctions :

- Étalonnage (Appuyer sur la touche Cal pendant 3 secondes) :
  - Sélectionner la sonde à étalonner, pH ou potentiel Rédox, à l'aide des touches flèche Haut ou flèche Bas.
  - Fonction Standard d'étalonnage de la sonde avec la solution tampon 7 et 4 et 465 mV pour le potentiel Rédox.
- Set Point ou point de consigne (appuyer sur la touche Set) :
  - Appuyer sur la touche Set et sélectionner la mesure à l'aide des touches flèche Haut et flèche Bas; appuyer sur la touche Enter pour modifier et valider.
    - **Sp_750mv__700_mv_**
    - **Sp_7.4ph___7.6_ph_**
- Appuyer sur les touches Cal et Set (en même temps) pendant 5 secondes pour activer le Setup de configuration :
  - **Menu**
    - **Langue_** (On peut sélectionner l'une des 5 langues disponibles (EN, IT, SP, DE, FR)
    - **Mesure_Redox**
      - **setpoint__750_mv** (Modifier la valeur avec la touche Enter et les touches flèche Haut et flèche Bas) Pour le potentiel Rédox, on peut saisir une valeur entre 0 et 1000 mV.
      - **Dosage__bas** (Modifier la valeur BAS ou HAUT)
      - **temps_ofa__OFF** (Modifier la valeur OFF ou le Temps nécessaire)
      - **ALR_BAnd_100_rx** (Modifier la valeur de 100 à 300 mV)
      - **Type_PROP** (Modifier la valeur de OFF, PROP ou ON/OFF)
    - **Mesure_pH**
      - **setpoint___7.4ph** (Modifier la valeur par la touche Enter et les flèches Haut et Bas) Pour le pH, on peut saisir une valeur entre 0 et 14.
      - **Dosage__acide** (Modifier la valeur ACID ou ALKA)
      - **temps_ofa__OFF** (Modifier la valeur OFF ou le temps nécessaire)
      - **alr_band_1.0_ph** (Modifier la valeur de 1 pH à 3 pH)
      - **Temp_25*C_**(modifier la valeur par la touché Enter et les flèches Haut et Bas) uniquement pH.
      - **Type_PROP** (Modifier la valeur de OFF, PROP ou ON/OFF)
    - **Debit_**(modifier la valeur par la touche Enter et les flèches Haut et Bas)
      - Le signal d'entrée peut être sélectionné comme Activé (ON) ou Désactivé (OFF).
    - **calibrage**(modifier la valeur par la touche Enter et les flèches Haut et Bas)
      - **full**(Kit solutions tampon pH 4, pH 7, Rédox 465 mV)
      - **easy**(Kit solutions tampon pH 7, Rédox 465 mV)
      - **Off** (Désactivé)
    - **password**(modifier la valeur par la touche Enter et les flèches Haut et Bas, valeur standard **0000**)
- Enregistrement et sortie du Menu avec la touche ESC.
  - **exit____non** (modifier la valeur par la touche Enter et les flèches Haut et Bas et confirmer par Enter)
- Pour l'amorçage de la pompe, maintenir la touche flèche HAUT appuyée pendant 3 secondes et la pompe Rédox amorce
  - **Amorcage____700mV**
- Pour l'amorçage de la pompe, maintenir la touche flèche moins appuyée pendant 3 secondes et la pompe pH amorce
  - **amorcage____7.2pH**
- Fonction Arrêt Pompe
  - Appuyer sur flèche Haut et sur Enter (en même temps) ; après 5 secondes, l'afficheur visualise **Stop_RX**. Appuyer de nouveau sur les touches pour remettre en marche.
  - Appuyer sur flèche moinset sur Enter (en même temps) ; après 5 secondes, l'afficheur visualise **Stop_pH**. Appuyer de nouveau sur les touches pour remettre en marche.
- Le système exécute un dosage proportionnel à la mesure par rapport au Point de consigne. (25% dosage minimum, 90% dosage maximum de 10 minutes)

Remarque : Le système quitte automatiquement le Menu après 1 minute de temps, sans enregistrer aucun paramètre.

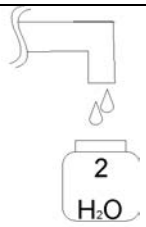
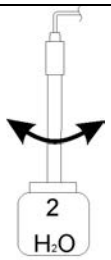
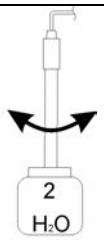
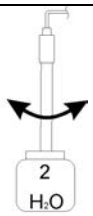
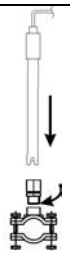
Panneau de commande



Connexion des cables:

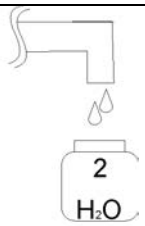
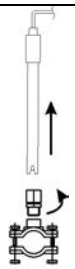
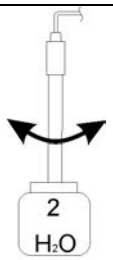
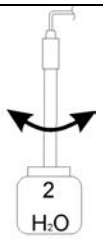
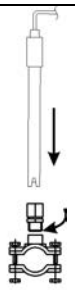
1) Entrée sonde pH et Redox
2) Entrée sonde température (PT100)
3) Entrée sonde Niveau Redox (Produit dans le bidon)
4) Entrée sonde Niveau pH (Produit dans le bidon)
5) Entrée signal débit (Flow Rate) [signal électrique 230 Vc.a.]
6) Sortie Relais Alarme pour électrovanne Redox (Contact libre, Relais 250 Vc.a. 10 A)
7) Sortie Relais Alarme pour électrovanne (Contact libre, Relais 250 Vc.a. 10 A)
8) Sortie Relais Alarme pour électrovanne pH (Contact libre, Relais 250 Vc.a. 10 A)
9) Alimentation système : 230 Vc.a. 50/-60 Hz
10) Interrupteur d'alimentation
11) Fusible 500 mA retardé
12) Sortie pompe pH (J1) et pompe Redox (J2)

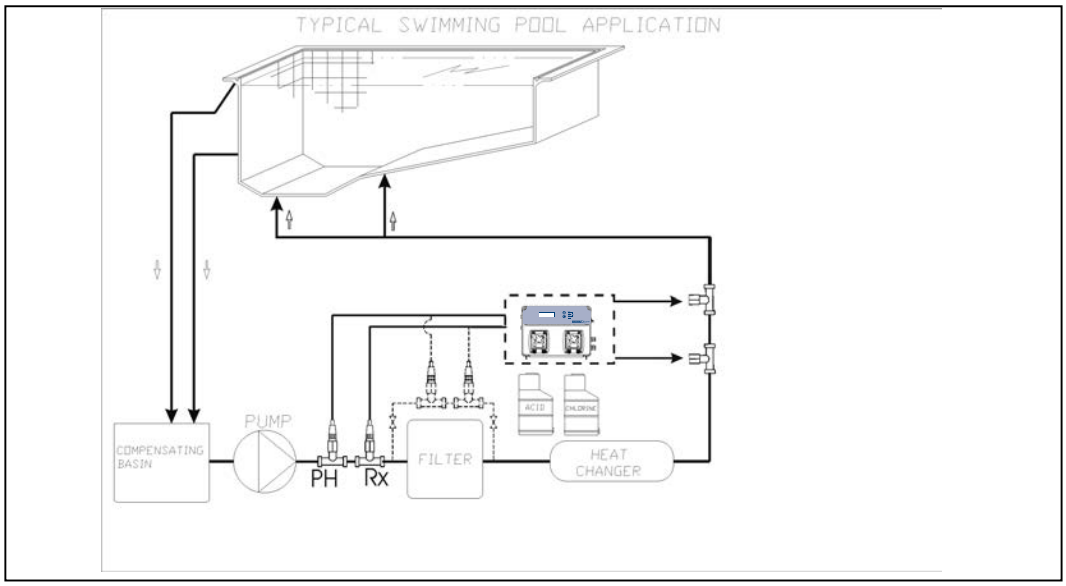
Étalonnage Sonde pH

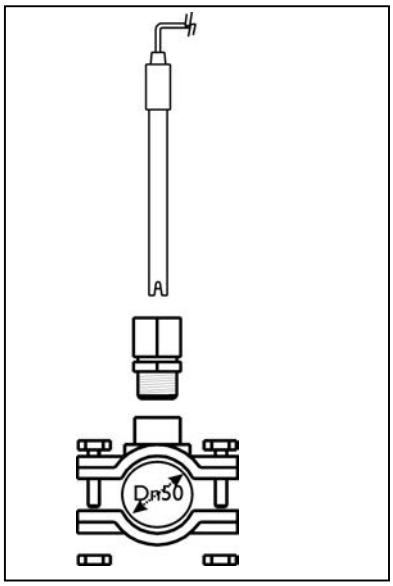
1 	2 	3  Laver la sonde
4  Maintenir la sonde dans la solution tampon	**calibrage** enter cal Appuyer sur la touche Cal pendant 3 secondes Régler étalonnage pH. 5	**presser_cal** enter cal Durée Étalonnage 1 minute **patienter__60_s_** 6
7pH_Qualite'_100% Qualité de la sonde 7	8  Laver la sonde	9  Maintenir la sonde dans la solution tampon
4pH_presser_cal enter cal Durée Étalonnage 1 minute **patienter__60_s_** 10	**4pH_Qualite'_100%** Qualité de la sonde 11	12  Laver la sonde
13 	enter cal Appuyer sur la touche Enter, enregistrer, puis quitter 14	État Normal 15

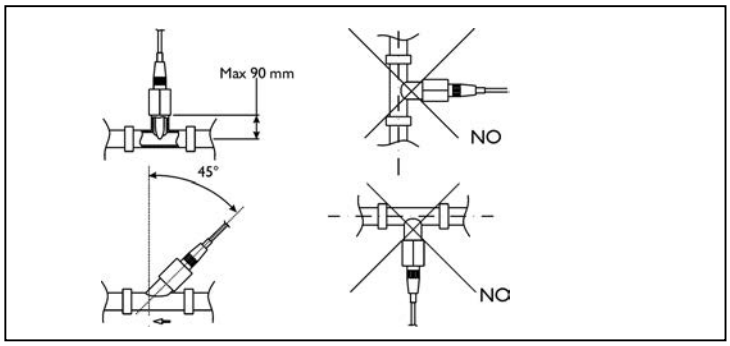
Remarque :
Quand la fonction EASY CAL (étalonnage facile) est sélectionnée, l'étalonnage s'effectue uniquement pour 1 point 7 pH.

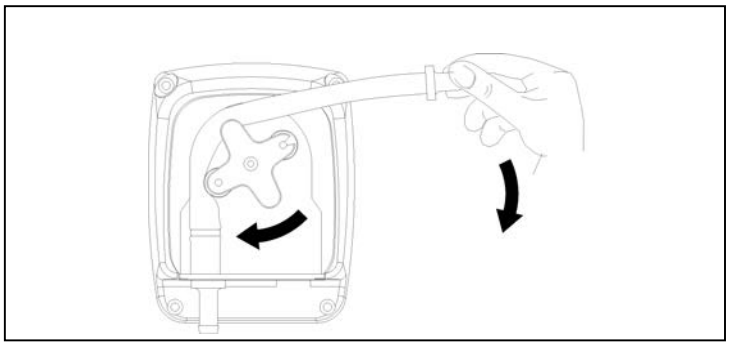
Étalonnage sonde Redox

1 	2 	3  Laver la sonde
4  Maintenir la sonde dans la solution tampon	**calibrage** enter cal Appuyer sur la touche Cal pendant 3 secondes Régler étalonnage Redox 5	**465mv_presser_cal** enter cal Durée Étalonnage 1 minute **patienter_60 s_** 6
465mv_Qualite'_100 % Qualité de la sonde 7	8 	9 
enter cal Appuyer sur la touche Cal pendant 3 secondes 10	État Normal 11	









Alarme	Écran	Relais	Action à exécuter
Niveau	**niveau__7,2_ph** **niveau__720_mv**	Alarme relais fermé	- Appuyer sur la touche Enter pour activer alarme relais - Rétablir le niveau de produit dans le récipient
OFA Première Alarme (temps >70%)	**Alr_ofa__7,2_ph**	Alarme relais ouvert	- Appuyer sur Enter pour réinitialiser
OFA deuxième Alarme (temps >100%)	**Stop_ofa__7,2_ph**	Alarme relais fermé	- Appuyer sur Enter pour réinitialiser
Débit	**Debit____7,2_ph**	Alarme relais ouvert	- Rétablir le flux
Erreur de système	**parameter_error**	Alarme relais ouvert	- Appuyer sur Enter pour restaurer les paramètres par défaut - Unité endommagée
Erreur d'étalonnage	**Erreur_7_pH** **Erreur_4_pH** **Erreur_465_mv**	Alarme relais ouvert	- Remplacer la Sonde ou la Solution tampon et répéter l'étalonnage.

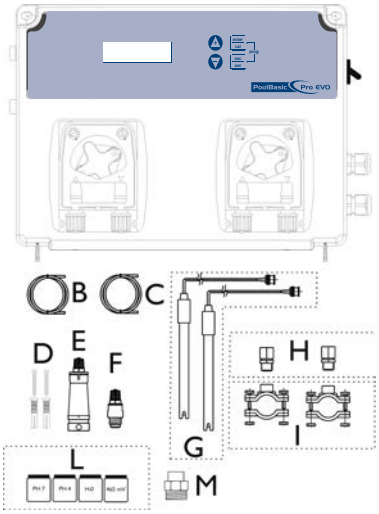
Paramètres d'usine :

- Langue = **UK**
- Point de consigne valeur = **7,4 pH; 750 mV (Rx)**
- Méthode Dosage = **Acide; Bas (Rx)**
- Temps OFA = **OFF**
- Étalonnage = **Pleine échelle**
- Entrée Flux= **OFF**
- Dosage type= **PROP**

Pour restaurer les paramètres par défaut :

- Arrêter le système
- Maintenir les touches flèches Haut et Bas (en même temps) appuyées et allumer le système.
- Le Système affiche **RAZ_default_non**
- Appuyer sur flèche HAUT **RAZ_default__Oui**
- Appuyer sur la touche Enter pour restaurer les paramètres par défaut.

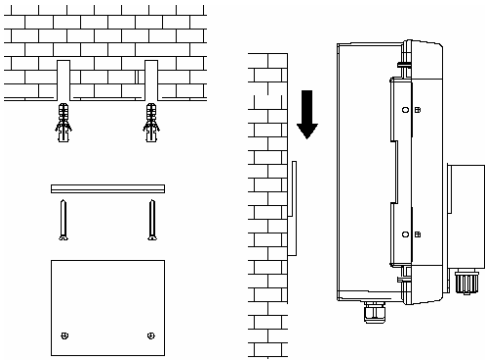
POOL BASIC EVO Doppio



Contenuto nell'imballo:

A) "Basic POOL Doppio" pH and REDOX unità di controllo
B) PVC Crystal 4x6 tubo aspirazione (2 m)
C) Polyethylene tubo mandata (3m)
D) Tasselli a vite (ϕ=6 mm)
E) Filtro di fondo (PVC)
F) FPM valvola di non ritorno (3/8" GAS)
G) Sonde pH e Redox
H) PSS3 porta sonda (1/2" GAS)
I) Staffa di montaggio per PSS3 per tubo 2 pollici (ϕ=50 mm)
L) pH 4, pH 7, 465 mV, H_2O soluzioni tampone
M) Riduzione per valvola di non ritorno

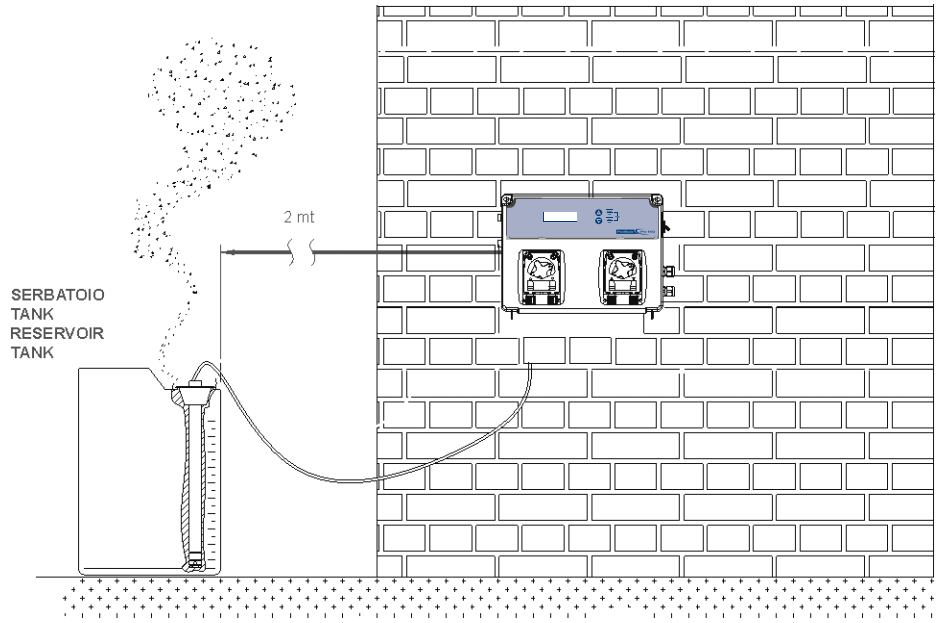
Montaggio parete



CARATTERISTICHE TECNICHE

Dimensioni (H – W – L)	234x162x108 mm
Peso	1 kg
Alimentazione	230 VAC 50-60Hz
Consumo	12 W or 18 W
Portata pompa	0,4 l/h; 1,5 l/h; 5 l/h
Pressione Massima	1,5 bar
Azionamento pompa	Pause - Lavoro
Scala Misura	0 ÷ 14.0 pH; Redox 0÷ +1000 mV
Precisione	+/- 0,1 pH; ± 10 mV
Accuratezza	±0.02 pH; ± 3 mV
Calibrazione sonda	Automatica

ATTENZIONE / WARNING / ATTENTION / ACHTUNG



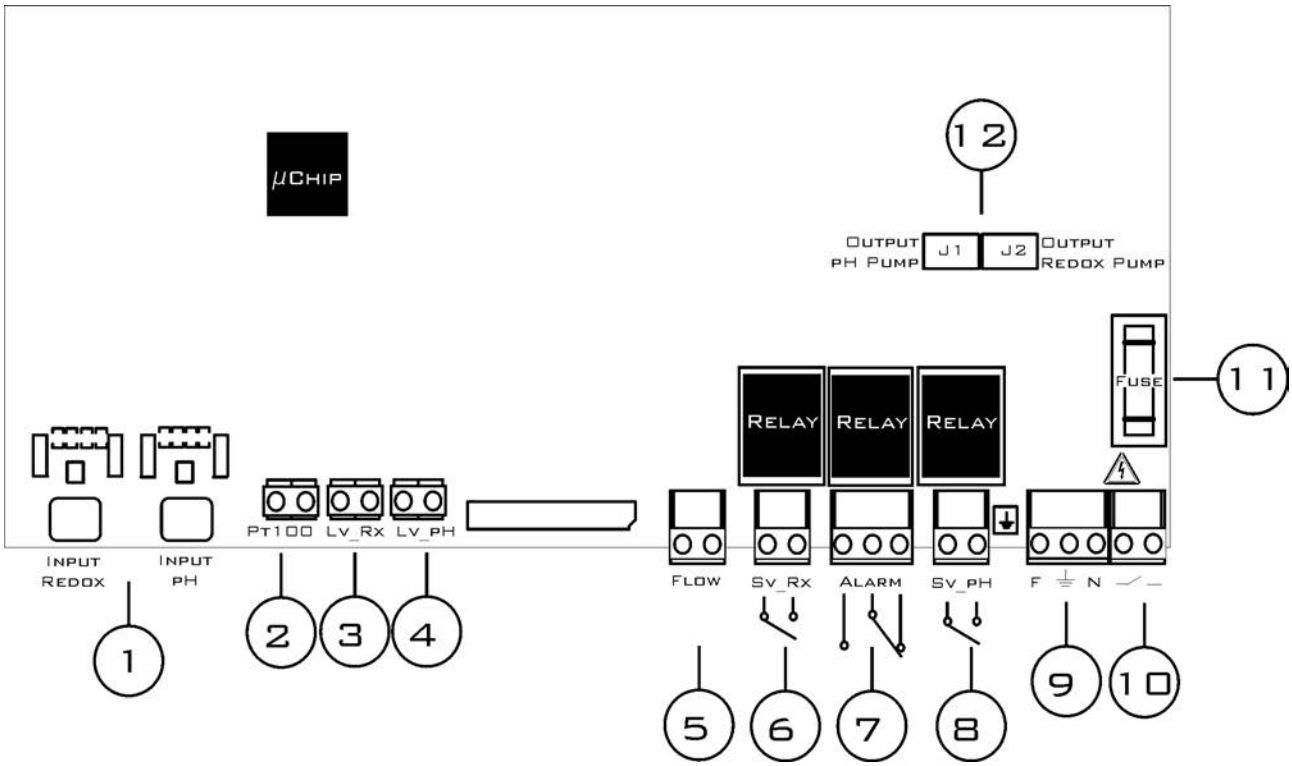
Impostazioni

Funzioni:

- Calibrazione (Premere tasto Cal per 3 Secondi):
  - Selezionare la sonda da calibrare pH o Redox con i tasti Su o Giù.
  - Funzione Standard di calibrazione della sonda con la soluzione tampone 7 e 4 e 465 mV per il Redox.
- Set Point (Premere il tasto Set):
  - Premere il tasto Set e selezionare la misura tramite i tasti Su e Giù premere il tasto Enter per modificare e confermare.
    - **Sp_750mv__700_mv_**
    - **Sp_7.4ph___7.6_ph_**
- Premere i tasti Cal e Set (insieme) per 5 Secondi si eseguirà il Setup di programmazione:
  - **Menù**
    - **Lingua_** (Si può selezionare una lingua tra le 5 disponibili (EN, IT, SP, DE, FR)
    - **Misura_Redox**
      - **setpoint__750_mv** (Modificare il valore con tasto Enter e tasti Su e Giù) Si può impostare il valore tra 0 e 1000 mV per Redox
      - **sp_type__low** (Modificare valore LOW o HIGH)
      - **tempo_ofa__OFF** (Modificare valore OFF o il Tempo necessario)
      - **alr_band_100_rx** (Modificare valore da 100 a 300 mV)
      - **Type_PROP** (Modificare valore tra OFF, PROP o ON/OFF)
    - **Misura_ph**
      - **setpoint___7.4ph** (Modificare il valore con tasto Enter e tasti Su e Giù) Si può impostare il valore tra 0 e 14 pH
      - **sp_type__acid** (Modificare valore ACID or ALKA)
      - **tempo_ofa__off** (Modificare valore OFF o il Tempo necessario)
      - **alr_band_1.0_ph** (Modificare valore da 1 pH a 3 pH)
      - **Temp_25*C_**(Modificare valore con tasto Enter e tasti Su e Giù) solo pH.
      - **Type_PROP** (Modificare valore tra OFF, PROP o ON/OFF)
    - **Flusso_**(Modificare valore con tasto Enter e tasti Su o Giù)
      - Si può impostare Abilitato (ON) o Disabilitato (OFF) per il segnale ingresso.
    - **Calibrazione** (Modifica valore con tasto Enter e tasti Su e Giù)
      - **Full** (pH 7 and 4, Redox 465 mV Soluzioni tampone)
      - **Easy** (pH 7, Redox 465 mV Soluzioni tampone)
      - **Off** (Disabilitato)
    - **Password** (Modifica valore con tasto Enter e tasti Su e Giù, valore standard **0000**)
- Salvataggio e uscita dal Menù con tasto ESC
  - **Esci____salva** (Modifica valore con tasto Enter e tasti Su e Giù e conferma con Enter)
- Adescamento Pompa tenere premuto tasto Su per 3 secondi e la pompa Redox adesca
  - **priming____700mv**
- Adescamento Pompa tenere premuto tasto Giù per 3 secondi e la pompa pH adesca
  - **priming____7.2ph**
- Funzione Blocco Pompa
  - Premere Su e Enter (insieme) dopo 5 secondi si visualizza **Rx_Stop** premere nuovamente per sbloccare
  - Premere Giù e Enter (insieme) dopo 5 secondi si visualizza **pH_Stop** premere nuovamente per sbloccare
- Il sistema esegue un dosaggio proporzionale alla misura rispetto al Set point (25% dosaggio minimo, dosaggio massimo 90% di 10 minuti di tempo come periodo di dosaggio)

Note: Il sistema esce dal Menù in automatico dopo 1 minuto di tempo, il sistema non salva nessun parametro.

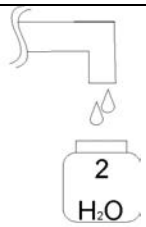
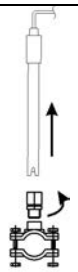
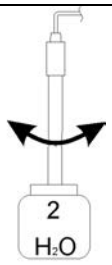
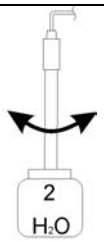
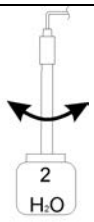
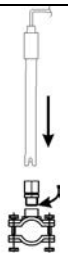
Main board



Wire Connection:

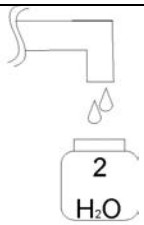
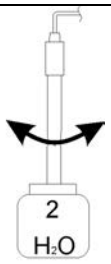
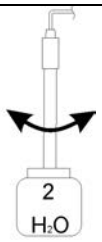
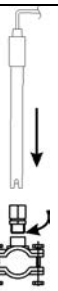
1) Ingresso sonda pH e Redox
2) Ingresso sonda Temperatura (PT100)
3) Ingresso sonda Livello Redox (Prodotto nella tanica)
4) Ingresso sonda Livello pH (Prodotto nella tanica)
5) Ingresso segnale Flusso (Flow Rate) [Segnale elettrico 230 Vac]
6) Uscita Relè per Elettrovalvola Redox (Contatto pulito, Relè 250 Vac 10 A)
7) Uscita Relè per Allarme (Contatto pulito, Relè 250 Vac 10 A)
8) Uscita Relè per Elettrovalvola pH (Contatto pulito, Relè 250 Vac 10 A)
9) Alimentazione sistema 230 Vac 50-60 Hz
10) Interruttore di alimentazione
11) Fusibile 500 mA ritardato
12) Uscita pompa pH (J1) e pompa Redox (J2)

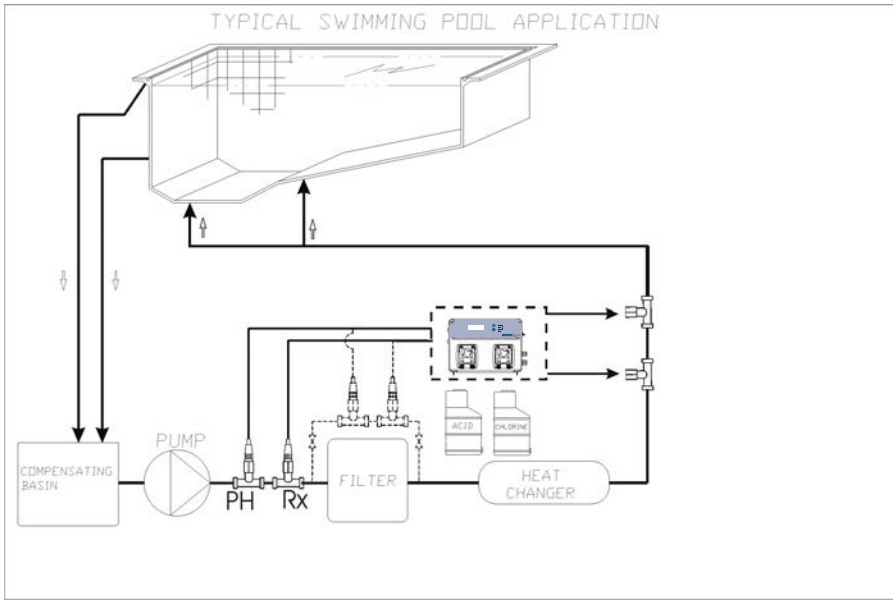
Calibrazione sonda pH

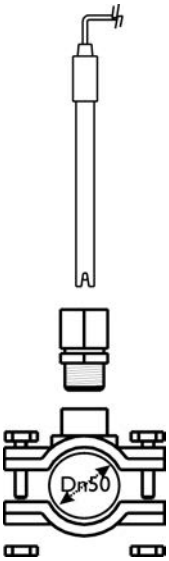
1 	2 	3  Lavare la sonda
4  Mantenere la sonda nella soluzione tampone	**Calibrazione** enter cal Premere il tasto Cal 3 Secondi impostare calibrazione pH. 5	**Premere_cal** enter cal Durata Calibrazione 1 minuto **Attendere__60s_** 6
7pH_Qualita'_100% Qualità sonda 7	8  Lavare la sonda	9  Mantenere sonda nella Soluzione tampone
4pH_Premere_cal enter cal Durata Calibrazione 1 minuto **Attendere__60s_** 10	**4pH_Qualita'_100%** Qualità Sonda 11	12  Lavare la sonda
13 	enter cal Premere Tasto Enter salva esci 14	Normale Stato 15

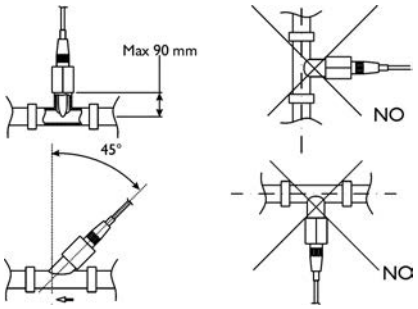
Note:
Se è stato impostato Calibrazione = Easy la funzione sarà per 1 punto, solo soluzione tampone 7 pH.

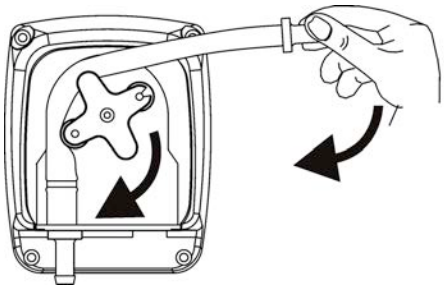
Calibrazione Sonda Redox

 1	 2	 3 Lavare la sonda
 4 Mantenere la sonda nella soluzione tampone	**CalibraZione** enter cal Premere il tasto Cal 3 Secondi impostare calibrazione Redox 5	**465mv_Premere_cal** enter cal Durata Calibrazione 1 minuto **attendere_60s_** 6
465mv_Quality_100% Qualità Sonda 7	 8	 9
enter cal Premere Tasto Cal 3 Secondi 10	Normale Stato 11	









Allarme	Display	Relè	Azione da Fare
Livello	**livello__7,2_ph** **livello__720_mv**	Allarme Relè Chiuso	- Premere Enter per aprire Allarme Relè - Ripristinare il Prodotto nella tanica
OFA Primo Allarme (time >70%)	**ofa_alr_7,2_ph**	Allarme Relè Aperto	- Premere Enter per reset
OFA Secondo Allarme (time =100%)	**ofa_stop__7,2_ph**	Allarme Relè Chiuso	- Premere Enter per reset
Flusso	**Flusso____7,2_ph**	Allarme Relè Aperto	- Ripristinare Flusso
System Error	**Parameter_error**	Allarme Relè Aperto	- Premere Enter per ripristinare parametri Default - Unità rotta
Errore Calibrazione	**Errore_7_ph** **Errore_4_ph** **Errore_465_mv**	Allarme Relè Aperto	- Sostituire sonda o Soluzione tampone ed eseguire la calibrazione

Parametri di fabbrica:

- Lingua = **UK**
- Set Point valore= **7,4 pH; 750 mV (Rx)**
- Metodo Dosaggio = **Acid; Low (Rx)**
- Tempo OFA = **OFF**
- Calibrazione = **Full**
- Ingresso Flusso= **OFF**
- Tipo Dosaggio= **PROP**

Per ripristinare I parametri di fabbrica:

- Spegnere il sistema
- Tenere premuto il tasto SU e Giù insieme accendere il sistema.
- Il sistema visualizza **IniT.default_no**
- Premere SU **IniT.default_Yes**
- Premere Tasto Enter per ripristinare I parametri di fabbrica.