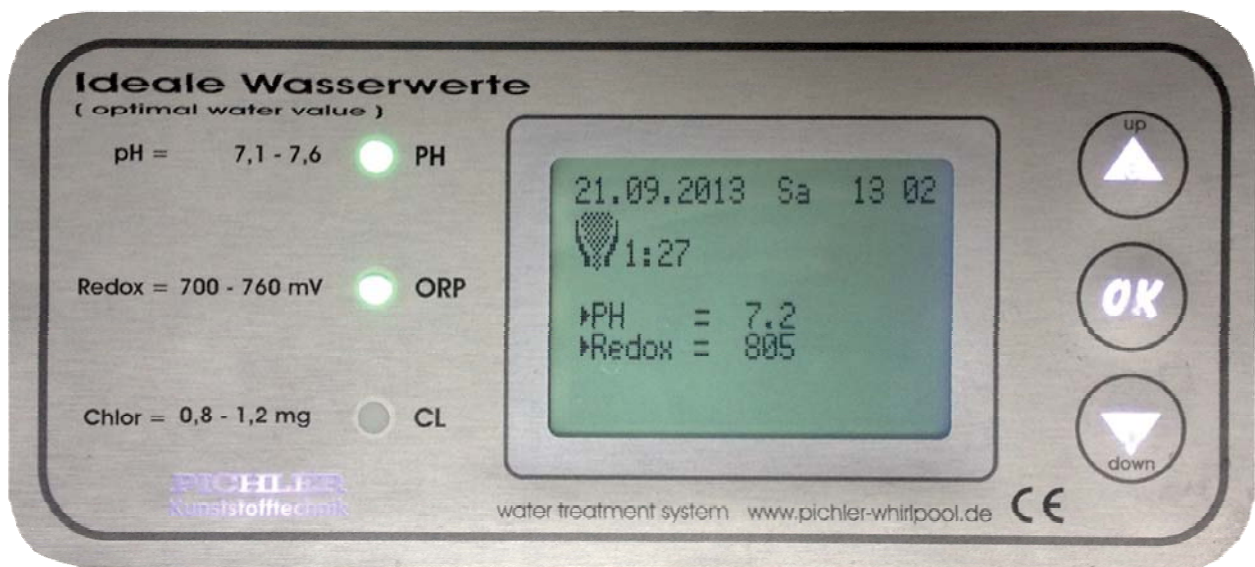


manual "customer menu"

Dosing System WPD-A3



manual customer menu



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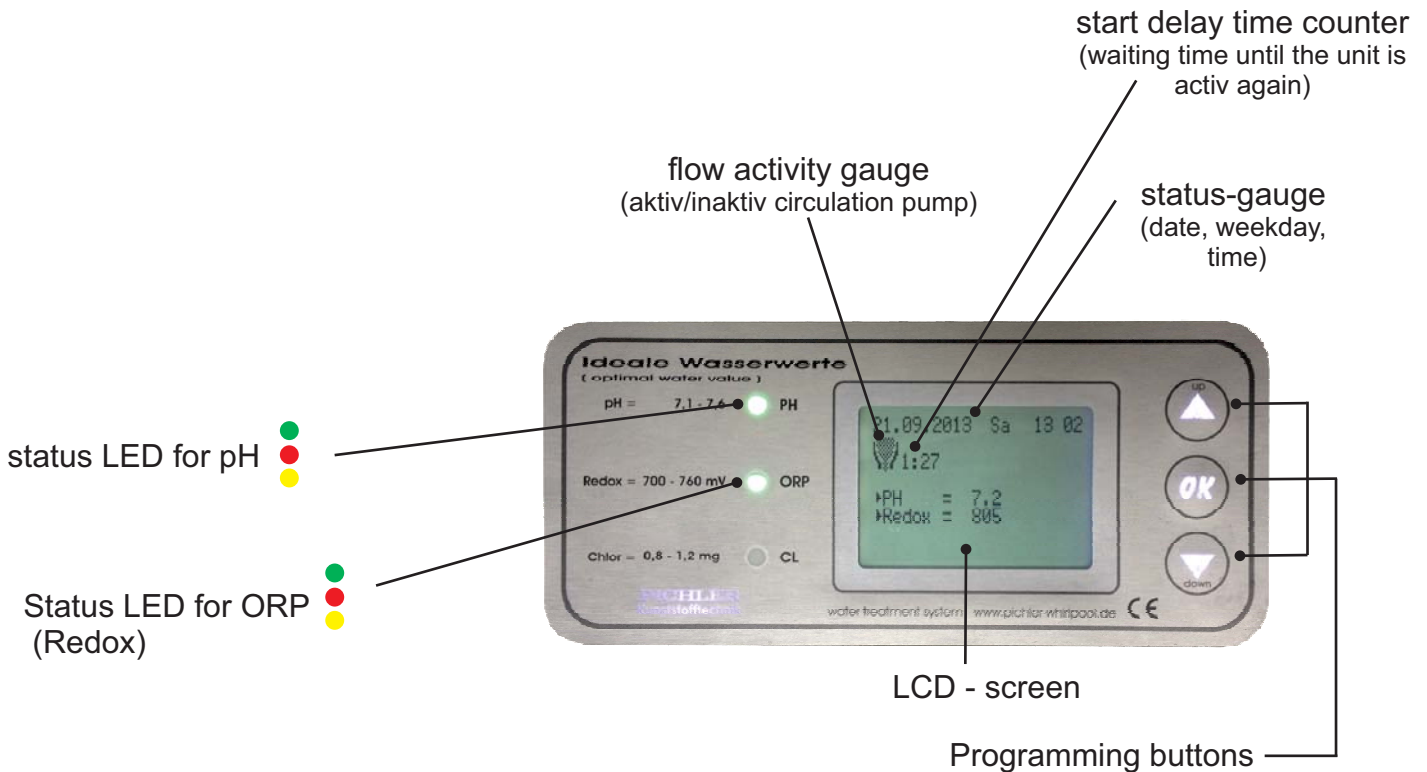
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control panel

Following picture shown the control panel from the dosing system. You get a overview for apart buttons. Some of them you need it from beginning to start the dosing system. Declarations for the using and programming as following sections.



The LCD - Screen

On the LCD screen, you see the actually operating status from the dosing unit.

Additional will shown alert- and fault reports.

Also can show the adjusting data in programming mode.

The screen can show 8 lines finaly.

If are further lines outside the LCD screen, will be shown as a arrow symbole on the side.

Status SMD-LED (RGB) screen

The SMD LED lamps provide you quick view status-report (operating report).

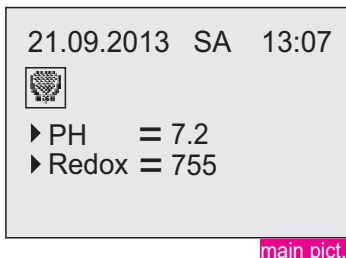
If a measure value over or under, will flashing the this status LED (as example color „red“).

Also when already a electrode was calibrated, and the quality of electrode is not good as well, the LED status light is flashing in the color ● „yellow“.

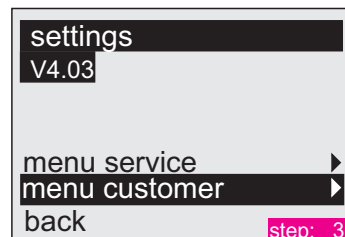
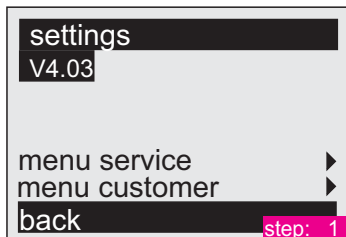
After 30 passed, and the electrode is not replaced the flash lighting changed to the color ● „red“.

If the LED lights shows the color „green“ ● for pH and Redox, the unit is working well.

customer menu



main pict.

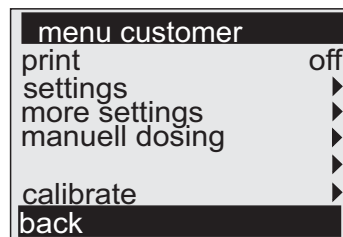


print out the value

If a printer installed, can print out the measure values.

the values:

- quick print
- every hours aoutmatic print
- can adjust 8 different times for automatic printing.

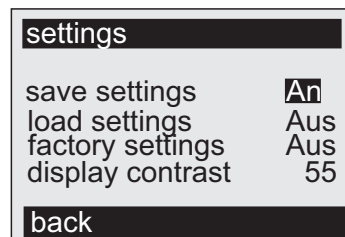


Note! This is a option, and can work only with a seperate printer via bluetooth connection.

Notification: Newest is a WLAN module for web view and printing. Please ask for the model our service.

Settings

Please choose the menu „menu customer“, Settings (pic 1).



pic 1

Adjustment. saving: ON/OFF Push the button „save settings“ with the „OK“ button, than with the arrow up „▲“ it shows the sign „ON“, for saving the changings push again the „OK“ button. (Bild 1)

Note: Please save every time if you change some settings.

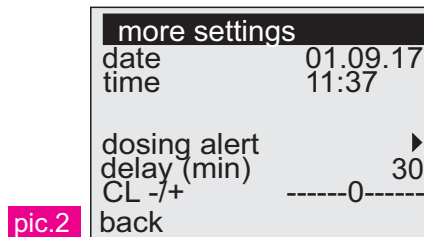
Adjustment load: ON/OFF Push the button „load settings“ with the „OK“ button, than push the arrow up „▲“ it shows the sign „ON“ for load the changings push again the „OK“ - button.

factory settings: ON/OFF (this can restore to customer menu) It will reset to the factory setting. (but only the customer menu).

display contrast: 1-150 (The range of contrast can be adjust 1-150 Please choose the optimal step for you.

date and time adjustment

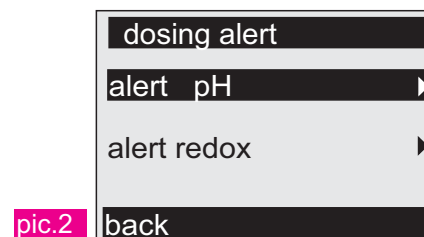
go to more settings (pic 2) than go with cursor to „date or time“. Use for adjusting these buttons „▲“ „OK“. „▼“
 Now you can select with the 3 buttons the time or date.
 Confirm if finish with the „OK“ button.



pic.2

dosing alert

Press to select and adjust the minimum and maximum alert values „alert pH“ or „alert redox“.
 (pic. 2) than you show min./max. border.



pic.2

Now you can select and adjust the border of alert. decent or climb the selected value, will get a alert and the LED lamp on the screen will flashing red light.



pic.3

Suggested adjust values are (pic 3,4).
 You can also set alert „OFF“ if you don't want it.

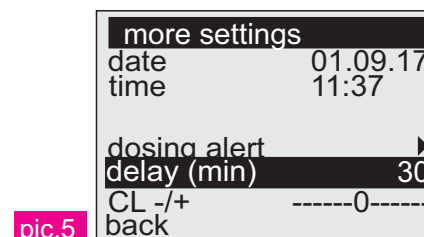


pic.4

start delay

(picture 5)

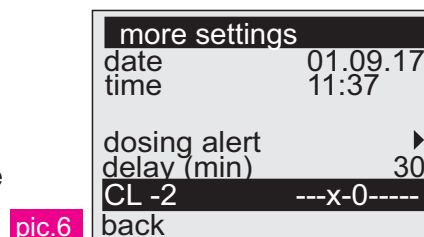
factory setting for the dosing activate is **30 min.**
 If you have a malfunction in your house current, or you connect it on/off, will start at first the start delay, and you must wait for dosing is active this setting time.
 Same is when the circulation pump stopped.
 The electrodes ph and redox need this time to make the correct voltage on the end top.
 This is important for well funktion of dosing.



pic.5

fine tuning if to much or less chlorine in the water

You can test it with test strips before. If to much chlorine in the water you can set as example CL -2, so the chlorine level will decend about 0,5 mg. And also it is working in the + direction. You can move with the „X“ to the right side position to get more chlorine into the water.



pic.6

manuel dosing (hand dosing function)

select the menu customer, than manuell dosing.
Confirm with the button „OK“(pic.8).

Push the button pH or chlorine „on“ and confirm with „OK“ again.
(pic.9). „▲“ „▼“

The dosing pump will turn in right direction for 10 seconds after than will automaticly stop. (First time need depend the length of the chemical tube 30 seconds before the chemical goes into the water).

Application:

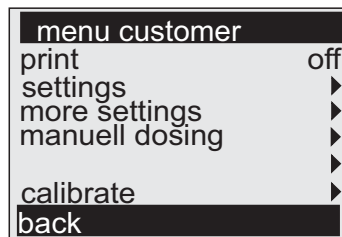
If you fill the spa with new water, you can help with manuell dosing to get the optimal value more fast.

The decent of pH value and this is the **optimale carbon hardness, 40ppm** (4 german hardness).

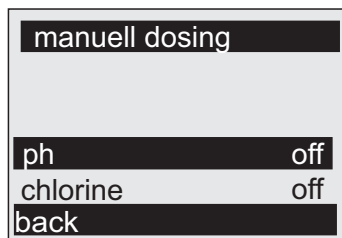
How long that the unit need for time until get this optimal value depends the household water hardness.

Usually after 3 days the pH level should be on 7.2 or 7.3 ph and hardness 40ppm.

Chlorine is not necessary to dosing manuell.



pic.8



pic.9

electrode calibration

Close both water tap, so can avoid water come out of the measure cell
Screw out the electrodes pH and Redox/ORP.

And put the electrodes for 5-10 minute into the calibration container.
(red and yellow marker)

Die BNC-connector must connected during the 5-10 minutes.

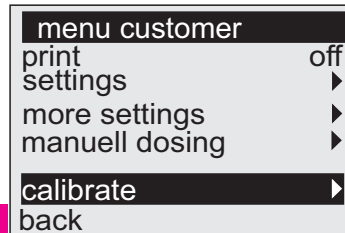
After this while of 5-10 minutes should be calibrate pH and redox

Choose the menu customer (Bild 10) „calibrate“

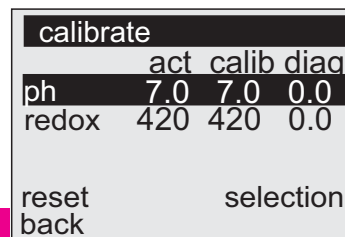
Go with the curser up to the ph and push 2 times the ok button.

So act ph must show in the display 7.0 and calib also 7.0 pH.

If you also calibrate redox, please do the same way.



pic.10



pic.11

After the calibration screw the pH and redox electrode into the measure cell tight.

Don't forget to open both water taps !

Now the start delay will turn on and start the countdown from 30min.

The unit will start the job after the 30 minutes is gone.

Reset (restore electrodes to factory setting)

Select on menu „reset“. (picture 16).

Choose the „reset“ and push the button „OK“.
Now select between pH and redox electrode for reset, and press the „ok“ button again.

pic.16

calibrate			
	act	calib	diag
ph	7.0	7.0	0.0
redox	420	420	0.0
reset			
back			

ph

Reports on the Display

Please get a note for the reports on the Display. If the reports not leave within 24 hours, the fault must be clean.

Please read further faults possibilities.

Fehlerbehebung

Fault / malifunction	to absorb the fault
PH, or redox value is over- or underline.	<ul style="list-style-type: none"> - check if the container with liquid full or empty (Please refill or replace the liquid at time. !)
The flow gauge is marked with „X“	<ul style="list-style-type: none"> - No flow, please check if the cone is down. - The filter sieve in the measure cell is dirty, please clean it. Best for use take a old toothbrush and clean under cold water tap. - The flow sensor is broken, please renew it.
It shows on the screen the countdown.	<ul style="list-style-type: none"> - Sombody had a bath before. - The circulation pump stopped more than 10 seconds. - Short time before you made a calibration and the water tap was closed short time before.
One of the status color LED is lighting yellow or red.	<ul style="list-style-type: none"> - Short time before you calibrate a eletrode, so the electrode life time ended. Please replace a new electrode. - In the mainscreen the gauge is changing, as example only 30 days. This is a 30 days countdown, and within this time must be replace the electrode. - You had calibrate wrong, please repeat it. Please take sure during the calibration the electrode was into the reference cotainer with liquid.
The status LED are lighting green.	<ul style="list-style-type: none"> - Everything is ok.

Options, Updates, Service

Optionen sind: free chlorine cell (for commercial using), μ S-electrode

Softwareupdates: Only the factory or dealer can update the software.

Service: If you have any questions please write an email to: office@pichler.de