

**PICHLER**

Anlagentechnik

# automatic water treatment



*thermo isolated*

*wall mounted*



*mini*



*built in*



Made in Germany

*the ones you can trust with your water...*

The Pichler Kunststofftechnik GmbH is developing and manufacturing our products since over **22 Years**. Whether jacuzzi, swimspa or swimmingpool, our automatic water treatment is doing his job and takes the work from you. (but at the most **100 m<sup>3</sup> watervolume**).

Every single version is useable with active oxygen (instead of chlorine). It comes with the same result, you only need to support the active oxygen additionally with anti algae supplies once a week. With that comes the same effect as it comes with chlorine, but we recommend our duochlorine (a mix between chlorine and active oxygen) because it's the best way to disinfect your water and it's also very gently to your skin.

Because of our decades of experience we were able to find and programm special formulars, which can support your water and the mechanic additionally. For example: if your tank level of the chlorine is empty for more than 24h, the dosing system stops to spare your tubings for the chemicals until you refill the tank or give your ok to the system. Another special formular prevents the over dosing from the chemicals, which can happen in some cases (but not with our system).

*We are looking forward to when our dosing systems can prove you themself.*

## product overview



*wall mounted version WPD-A3*



*thermo isolated WPD-A3*



*build-in version WPD A3*



*WPD-A4 Spirit „mini“*



# WLAN- Interface-Modul

(compatible with every version of WPD-A3 und WPD-A4)

Art.Nr.: W291



**easy installation via your  
wifi-connection**

*plug in and set it up*

*always up to date...*

Pichler Dosiertechnik		Zu den Grafiken	
Dosieranlage V5.82: s950		Online	
2022/09/16 14:46:35		✓	Aktiv
PH	= 7.3	pH	(min/max = 6.3/8.2)
RE	= 750	mV	(min/max = 500/850)
CL	= Aus		
DF	= An		
uS	= Aus		
Start	= 0	min	(Startverzögerung) <input type="button" value="Starten"/>
Fs PH	= 71	%	(Liter : 2.13 von 3) <input type="button" value="Wechsel"/>
Fs CL	= 69	%	(Liter : 3.45 von 5) <input type="button" value="Wechsel"/>
T1	= Aus		
T2	= Aus		
T3	= Aus		

- > **access from your Smartphone, Tablet or Computer possible.**  
**Datacheck online over your browser.**
- > **remote maintenance and many settings possible with the module.**  
just contact us and we can solve the most problems trough the online link
- > gold plated plugs (RS-232) for a strong and safe connection.



# WPD-A3 (pH & Redox)

**If your spa is inside, it's a good solution to install one of our wall mounted versions.** The dosing system will be installed to the wall near your spa or swimmingpool. All you need is a forward and reverse contact with your pool tubes.



usually there are longer tubes for the chemicals when you got an swimmspa or -pool, because in that case it's more easy to take the bigger chemical tanks. In that way you dont need to change them that often despite the higher consumption.

the longer tubes are **optional**.

also gold plated connectors for the modul (Order Nr. W291)

## integrated measuring unit

the poolwater is running trough the acrylic block and is measured by the high-quality electrodes (made in switzerland). That makes a permanent and trustworthy controlling possible. So now the dosing system knows exactly how much and what the water needs. A completely water change is recommended once a year.



**Art.Nr.: F287**

## technical specifications

(F287 dosing system for Swimspas, Swimmingpools until at most 100 m³ and every jacuzzi)

measuring and control engineering:  
flow monitoring:  
measurements:  
dimensions:  
voltage current:  
power consumption:

electronic  
proximity sensor  
pH / Redox electrode  
550 x 400 x 120 mm  
230V/50Hz  
about 5 Watt/h (with a water volume about 1000 ltr.)

# WPD-A3 (pH & FCL & Redox)



*free chlorine measurement and regulate system*

especially for public areas like hotels.  
it's required everywhere where the DIN 19643.



## installation

exactly like it's with the standard version  
you just need a forward and reverse contact  
with your pool.

## control + regulate + observe + push-mails (modul)

push mails are keeping you up to date.

the special dosing system also records and saves all your measurements,  
which is required like we mentioned at the beginning.

**Art.Nr.: F295**

## technical specifications

(F287 dosing system for Swimspas, Swimmingpools until at most 100 m³ and every jacuzzi)

measuring and control engineering:  
flow monitoring:  
measurements:  
dimensions:  
voltage current:  
power consumption:

electronic  
proximity sensor  
pH / Redox electrode  
550 x 400 x 120 mm  
230V/50Hz  
about 5 Watt/h (with a water volume about 1000 ltr.)



# WPD-A3 (pH & Redox)

„all in one“- box.



**the possibility to put it up next to every pool or swimspa**

with our compact version you dont need to cut a hole in your pool wood paneling. here is just a little hole in the bottom necessary (2x16mm). The tanks can be changed very easily and fast because everything is stowed away in the thermo isolated box. that way it's also easy to maintenance.



**protection-cover  
synthetic leather**

protection against every weather  
(Order Nr. H288)



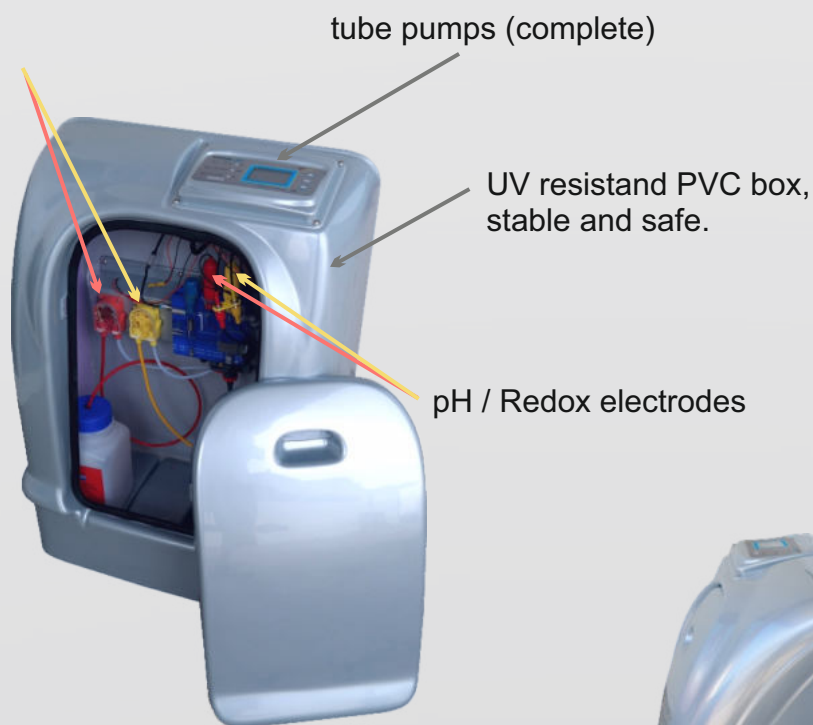
**custom made finish**

if requested the box can also  
get a spezial color finish.



**adapts perfectly**





tube pumps (complete)

UV resistant PVC box,  
stable and safe.

pH / Redox electrodes

***the whole technic is clearly installed.***



### **side-view**

the narrow design of the box gives the opportunity to intergrate with your pool and spa area.



### **easy to read from the outside**

The Display is clearly visible from the outside and good positioned at the top of the box.

Trough the little indicator lights on the left you can see fast and clear if there are some wrong or problematic measurings.

**Art.Nr.: F288**

## **technical specifications**

(F288 thermo isolated dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:

flow monitoring:

measurements:

dimensions:

voltage current:

power consumption:

electronic

proximity sensor

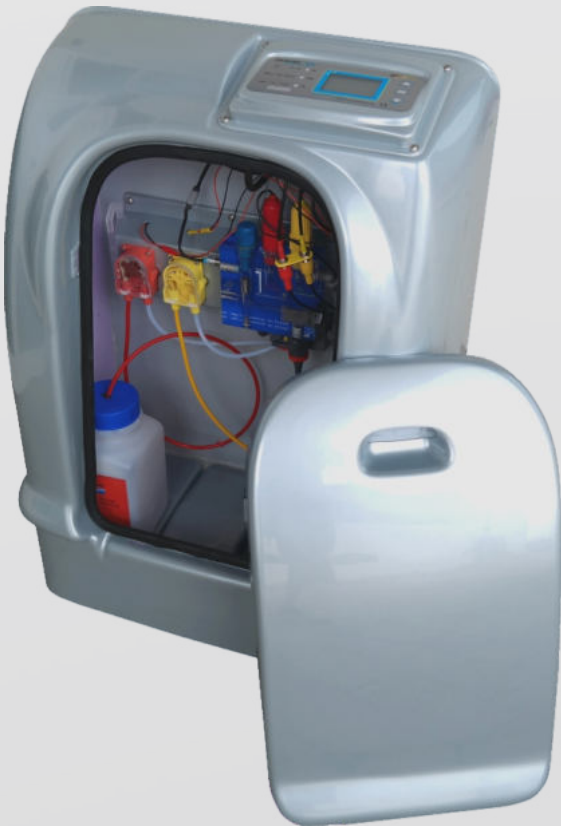
pH / Redox electrode

550 x 400 x 120 mm

230V/50Hz

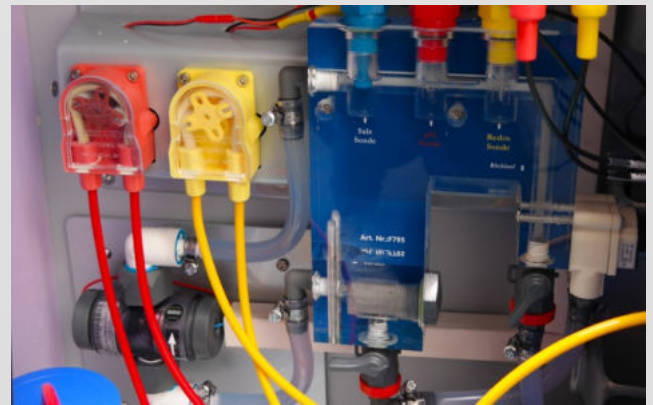
about 5 Watt/h (with a water volume about 1000 ltr.)

# WPD-A3 (pH & FCL & Redox)



**thermo isolated version with free chlorine measuring system**

especially for public areas like hotels.  
it's required everywhere where the DIN 19643.



Trough the ball valves you can switch off the irrigation system manual. It makes it easy to clean the vaccination valve or changing the tubes for example.

**Art.Nr.: F298**

## technical specifications

(thermo isolated dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:  
flow monitoring:  
measurements:  
dimensions:  
voltage current:  
power consumption:

electronic  
proximity sensor  
pH / Redox electrode  
550 x 400 x 120 mm  
230V/50Hz  
about 5 Watt/h (with a water volume about 1000 ltr.)



# the most important functions summarized

## - set up the WIFI



## - calibrate trough the app possible



## - overview of the important data



## - value tables



## - systemupdate



the module gives the opportunity to control the whole dosing system just with your smartphone, tablet or computer. Whether on your sofa or on your beach lounge at the sea.

You are able to correct separate factors, dose the chemicals manually in your water and keep an eye on your measurements.

If desired you can also deposit your Mail Account and get notifications if the tank is low or empty or if one of the measurements is not as it should be for more than 24h.

# WPD-A3 (pH & Redox)

*our dosing systems will make your spa-life more easy and relaxing.*



**Art.Nr.: F296**

in this version the most parts are installed in the inside of your pool.  
just the display is about to be installed in your pool wooden cover,  
in this case it will be well readable and clear.



## integrated measuring unit

the measuring units + chemical tanks are hidden behind the pool cover and you will be not able to see them from the outside. (picture below)

## chemical tanks chlorine and PH-



**Art.Nr.: F288**

## technical specifications

(F296 dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:  
flow monitoring:  
measurements:  
dimensions:  
voltage current:  
power consumption:

electronic  
proximity sensor  
pH / Redox electrode  
550 x 400 x 120 mm  
230V/50Hz  
about 5 Watt/h (with a water volume about 1000 ltr.)

# WPD-A3 (pH & FCL & Redox)

For the free chlorine measuring system it's important to have a filter pump which guarantees a constant flow. The flow will be measured in Liter/h and it has to work **for at least 40 l/h**.

The flow can also easily be regulated with the ball valve.

Especially for public areas like hotels.  
It's required everywhere where the DIN 19643.



*Every plug which is important and has to measure sensitive measurements is plated with gold.*

*Because of that we can achieve the best possible results.*

**Art.Nr.: F296CL**

## technical specifications

(F296CL dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:  
flow monitoring:  
measurements:  
dimensions:  
voltage current:  
power consumption

electronic  
proximity sensor  
pH / Redox electrode  
550 x 400 x 120 mm  
230V/50Hz  
about 5 Watt/h (with a water volume about 1000 ltr.)





*Einbau-Anlage WPD-A3*

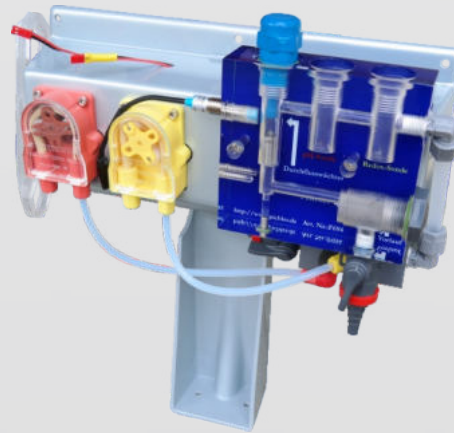




# WPD A4 Spirit (pH & Redox)



Art.Nr.: R297



Anleitung Kundenmenü



QR-Code

\*\*\* mini but powerful \*\*\*

It doesn't matter if you want to dose with chlorine and active oxygen or chlorine and PH-, you choose, the automatic water treatment is doing his job!

The mini version is our smallest one, but as powerful and functional like the others.



operate with just one button



Art.Nr.: R297

## technical specifications

(R297 mini dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:

flow monitoring:

measurements:

dimensions:

voltage current:

power consumption:

power consumption pump:

electronic

proximity sensor

pH / Redox electrode

550 x 400 x 120 mm

230V/50Hz

about 5 Watt/h (with a water volume about 1000 ltr.)

max. 0,5 Ah in Vollbetrieb

(without dosing pump, max. 0,1 Ah)

0,2 Ah



# WPD A4 Spirit (pH)

control the pH fully automatic....



Art.Nr.: R296



The advantage when you go with this version is clearly the tiny space you need to install. Chlorine or active oxygen are needed to dose manually.



Art.Nr.: R296

## technical specifications

(R297 mini dosing system for every spa or pool, at the most for about 100 m<sup>3</sup>)

measuring and control engineering:

flow monitoring:

measurements:

dimensions:

voltage current:

power consumption:

power consumption pump:

electronic

proximity sensor

pH / Redox electrode

550 x 400 x 120 mm

230V/50Hz

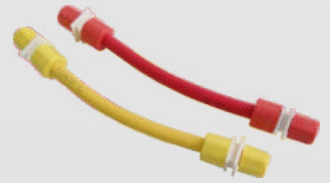
about 5 Watt/h (with a water volume about 1000 ltr.)

max. 0,5 Ah in Vollbetrieb

(without dosing pump, max. 0,1 Ah)

0,2 Ah

# attachments and options



- **special acid resistant tubes (pre-assembled)**

long lasting, softer shore hardness mixture, suitable for every dosing system

- **water change indicator (optional)**

when the water is heavily loaded (with chemicals), a notification pops up on your display and reminds you to change the poolwater. „water change recommended“ **only for WPD-A3**

- **chemical tank refill**

Every single one from our dosing systems has pre-installed a electronic calculated container level indicator.

- **calibration P-system**

Because of our newest level of experience we can say that it's enough to calibrate the electrodes just once a year in the original buffer solutions. A regulary examination should be done every 2-3 Months with help of a photocell meter. Adapting the values (if necessary) is easily possible trough the App-Module.

- **automatic water feed (optional)**

The water level is controled by a magentic valve. The level is indipendent controlled.

No manual refill necessary. **Just ask bevore planing the dosing system (only for WPD-A3)**

- **wifi software modul**

A connection with the wifi is easy. Every new dosing system is fittet with the D-Sub-9-pol Plug to connect with the modul. With this solution you can keep an eye on youre measurings, indipendet from your location.

Our professional staff is able to connect with your dosing system and help with your settings or problems.



- **pH electrode**

The pH electrode is measuring in the mV Area and the voltage of the water. Our dosing system evulates the data and reduces the PH values automaticly.

It's important if you refill the water of the pool for example.

- **Redox electrode**

Redox works the same way as the PH one, it's measuring the voltage of the water and hands off the information to our dosing system which handles it.

- **free chlorine measuring with electronic flow meter**

The free chlorine measuring cell shows the exact chlorine content -> FCL = free chlorine.

The shown measuring is equivalent to the real free chlorine content in the water and is not influenced by the  $o_3$ . To also be able to show the correct flow rate, theres the flow meter.

- **service/warranty**

The dosing system comes with a professional service promise for all of our products.

Most of the problems are able to get handled per phone or the modul.

spare parts are in our warehouse and can be delivered very timely.

**warranty is 2 years** (except wear parts)





## installation examples



*thermo isolated box*



*build in version*



*Mini*



*build in version*



*Mini*



*build in version*



*Mini*



*Mini*



build in version two times for swimspa



*thermo isolated box*



*build in version*



*thermo isolated box*





control unit

pH / Redox tubes complete

pH / Redox electrodes

flow monitoring stainless steel

Art.Nr.: F287

*wall mounted WPD-A3  
electronically controlled measuring and regulate system*



*Spa area with pichler dosing system*





# technical specifications

configuration	wall mounted pH / Redox	wall mounted ph / Redox free chlorine	thermo isolated ph / Redox	thermo isolated ph / Redox free chlorine
<b>Order Number:</b>	<b>F287</b>	<b>F295</b>	<b>F288</b>	<b>F298</b>
dimension (mm) L/B/H	600 / 400 / 110mm	600 / 400 / 110 mm	800 / 610 / 310 mm	800 / 610 / 310 mm
voltage	230V	230V	230V	230V
consumption about (Watt)	about 5 Watt/h	about. 5 Watt/h	about 5 Watt/h	about 5 Watt/h
weight (kg)	4	13	13	13
measuring pH	yes	yes	yes	yes
measuring Redox	yes	yes	yes	yes
measuring Chlor (FCL)	-	yes	-	yes
temperature display	optional	optional	optional	optional
flow sensor	proximity sensor	electronic (ltr./h)	electronic (ltr./h)	electronic (ltr./h)
alarm limits	adjustable min/max	adjustable min/max	adjustable min/max	adjustable min/max
status LED's	green/red/yellow white/blue	green/red/yellow white/blue	green/red/yellow white/blue	green/red/yellow white/blue
tank level	shown in display	shown in display	shown in display	shown in display
calibrate electrodes	once a year	once a year	once a year	once a year
tank chlorine (ltr.)	5	5	5	5
tank pH- (ltr.)	3	3	3	3
µS/salt electrode	optional	optional	optional	optional
wifi Modul	optional	optional	optional	optional
voltage control unit:	about 0,05- 0,1 Ah)	about 0,05- 0,1 Ah)	about 0,05- 0,1 Ah)	about 0,05- 0,1 Ah)
voltage per pump:	dosing pumps about. 0,15 Ah)	dosing pumps about 0,15 Ah)	dosing pumps about 0,15 Ah)	dosing pumps about 0,15 Ah)

configuration	build in ph / Redox	build in ph / free chlorine	Mini ph / Redox	Mini pH
order number:	<b>F296</b>	<b>F296cl</b>	<b>R297</b>	<b>R296</b>
dimension (mm) L/B/H	240 / 160 / 70 mm	240 / 160 / 70 mm	110 / 58 / 45 mm	110 / 58 / 45 mm
voltage	230V	230V	230V	230V
consumption (Watt)	about 5 Watt/h	about 5 Watt/h	about 3 Watt/h	about 3 Watt/h
weight (kg)	3	3	3	3
measuring pH	yes	yes	yes	yes
measuring Redox	yes	yes	yes	yes
measuring free chlorine	-	yes	-	-
temparatur display	optional	optional	-	-
flow measuring	proximity sensor	proximity sensor	proximiry sensor	proximiry sensor
alarm limit	adjustable min/max	adjustable min/max	adjustable min/max	adjustable min/max
status LED's	green/red/yellow/ white/blue	green/red/yellow/ white/blue	green/red/yellow/ white/blue	green/red/yellow/ white/blue
tank level	shown in display	shown in display	shown in display	shown in display
calibrate electrodes	once a year	once a year	once a year	once a year
tank Chlor (litr.)	5	5	5	5
tank pH- (litr.)	3	3	3	3
µS/salt electrode	optional	optional	-	-
wifi Modul	optional	optional	optional	optional
voltage control unit:	ca. 0,05- 0,1 Ah)	ca. 0,05- 0,1 Ah)	ca. 0,05- 0,1 Ah)	ca. 0,05- 0,1 Ah)
voltage per pump:	dosing pumps about 0,15 Ah)	dosing pumps about 0,15 Ah)	dosing pumps about 0,15 Ah)	dosing pumps about 0,15 Ah)



*wellness with a little extra ...*



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