



POOL CATALOGUE

SOLUTIONS FOR
WATER TREATMENT





WATER
TREATMENT
SYSTEMS



EMEC

SYSTEMS FOR SWIMMING POOLS



Flexibility and innovation

Flexibility and innovation are fundamental to us. Since 1982, we have been designing and producing reliable, cutting-edge instruments for water treatment and chemicals dosing. As a company, we are open to change and, just like water, we have branched out over time, spreading out into wide-ranging areas, from industrial water treatment to potabilization to water purification, from food and beverage industry to swimming pools.

OUR VALUE

Being at the cutting edge means constant study. Our R&D and design departments are where our heart beats. Extremely high-profile engineers and technicians are committed to developing software and designing hardware, but also to studying and evaluating hydraulic and mechanical components. The customers and their satisfaction have always been at the heart of what we do, so we pay constant attention to the quality of our production processes, through a constantly updated and cutting-edge range of industrial machines.

QUALITY AND SAFETY, FIRST OF ALL

We are entirely responsible for every stage of the process, from invention to delivery. Our products undergo up to 10 quality checks and are tested four times before reaching the customer. The quality management system of our production process is ISO 9001 certified and has customer satisfaction as its ultimate goal, as well as continuous improvement of company performance.

Customers satisfaction comes hand-in-hand with ensuring safety for them, their operators and final users. Our dosing pumps and controllers are UL certified to guarantee full compliance with general requirements for safety of use, while **NSF** certifications guarantee that our pumps do not release hazardous pollutants into the water and therefore are fully safe for use in contact with drinking water, for example in the food production industry, or at recreational facilities like swimming pools and spas.

COMPETENCE AND PROFESSIONALISM

Extremely high performance, top quality and high

technology are our greatest assets. But there is more. Every day, we safeguard something equally important: human capital. Our co-workers are the best professionals on the market; the most expert and competent people.

For this reason our organizational model is designed to manage their safety and health in an organic and systematic way, respecting the international standard **BS OHSAS 18001**.

ENVIRONMENTAL SUSTAINABILITY

The adoption of an environmental management system compliant with the international standard **ISO 14001** arises from the awareness of the imprint that human activities leave on the planet. Our environmental protection management system allows us to minimize the impact of production processes (with emissions well below the prescribed limits), of products and of raw materials used (with the recycling of most of the waste materials), also thanks to an energy saving system that covers all company spaces and to the use of renewable energy sources.



100% MADE IN ITALY

All our products are 100% Made in Italy.



WARRANTY

5 years warranty for our dosing pumps and controllers.



Certified to
NSF/ANSI/CAN 50



qualityaustria
SYSTEM CERTIFIED
ISO 9001:2015 No. 2000610
ISO 14001:2015 No. 0352810
BS OHSAS 18001:2007 No. 0203210

POOL CATALOGUE

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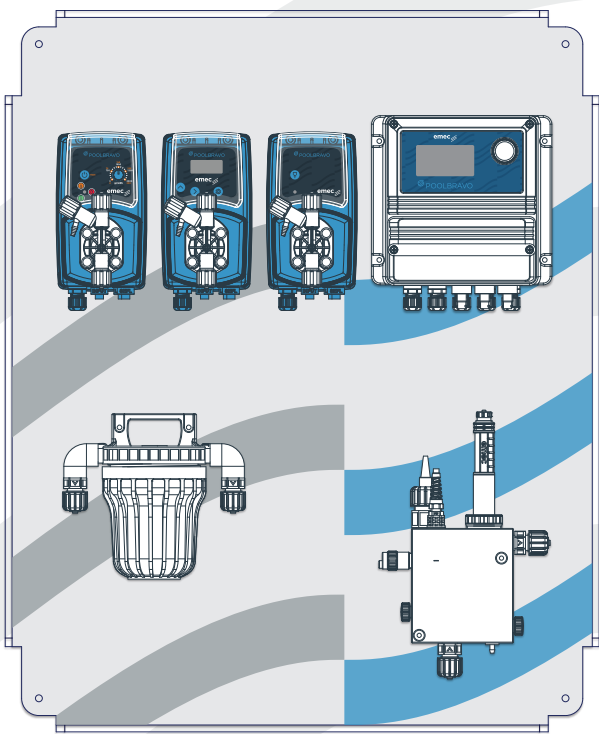
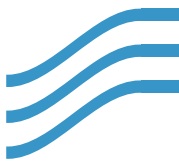
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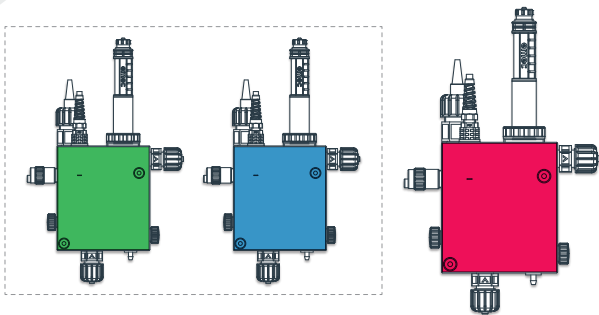
SWIMMING POOL MADE SMART



POOLBRAVO



A multi-colored LED light is installed on PEF probe-holder in order to quickly signal, through an opening on the cover, specific operation statuses or possible alarms according to the color of the light.



GREEN or **BLUE** (depending on the version) means the device is correctly functioning.

RED means the device is in an alarm status.

POOLBRAVO

The POOLBRAVO integrated system has been designed to offer an all-in-one solution that is easy to use and highly accurate, able to minimize the need for manual intervention on swimming pool water and to reduce the consumption of chemical products. An elegant cover makes POOL BRAVO suitable for any installation context and, besides safeguarding from accidental liquid loss, preserves at the same time the cleanliness of the inner components and their integrity.

POOLBRAVO is a turnkey product available in different configurations to immediately and easily manage the main measurement parameters concerning the treatment of swimming pool water, thus optimizing the dosing and consumption of the chemical products necessary for the compliance with chemical-physical water requirements.

COMPLETE CONTROL

The LD multiple reading digital system inside POOLBRAVO gives you the complete control over the measurement parameters and over the dosing of chemicals, besides being easy to use thanks to the LCD display and the ENCODER control knob that makes simple to browse through its configuration menus. Complete control also comes from the wide range of probes that can measures hydrogen peroxide, oxygen, bromine, chlorine, ozone, peracetic acid and chlorine dioxide. EMEC V series dosing pumps complete POOL BRAVO dosing system.

REMOTE CONTROL

EMEC exclusive online system ERMES enables you to remotely control and regulate POOLBRAVO from any smartphone or PC, so to keep the status of your swimming pool always under control, wherever you are.

STEPPER PERISTALTIC DOSING PUMPS

WNPHXX:PRECISE, RELIABLE,
SILENT.



WN

Stepper metering pumps

WNPHxx Series

10/11



WNPHxx Standard Pump

WNPHXX

The **WNPHxx** series has been developed by EMEC to offer a complete and user-friendly solution for swimming pool water treatment and for all those installations where precise, reliable and silent operation is needed, such as in wellness and spa environments.

The **WNPHxx** series products are two-channel and multi-parameter with a temperature readout.

Distinctive features also include:

- optimised dosing capacity as result of its electronically controlled stepper motor. This allows the rotation speed to be varied in real time and therefore also the dosage, in a range of from 1% to 100%;
- ability to detect and manage electromechanical faults.

The large backlit LCD screen and encoder knob makes data clearly visible and the menus easy to navigate so that operating modes can be quickly programmed with the relative alarm settings and different outputs. The **WNPHxx** can also be remote controlled using the NIM-BUS platform and the My Emec app.

The **WNPHxx** series is the compact all-in-one solution for maximum precision that also includes a control instrument and two peristaltic stepper dosing pumps in one product.

Stepper metering pumps

WNPHxx Series

WNPHxx



PERFORMANCE

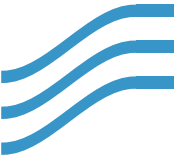
TUBO BIOCOMPATIBILE A LUNGA DURATA

Hose	Pressure		Capacity range		RPM range
	bar	PSI	l/hr	gal/hr	rpm
Ø 1.6x1.6	2	36.2	0.018 - 1.8	0.0047 - 0.47	1 - 100
Ø 4.8x1.6	2	36.2	0.12 - 12	0.0317 - 3.17	1 - 100

Stepper metering pumps

WNPHxx Series

12/13



PERFORMANCE

- No. 2 high-precision stepper motors
- Precision through peristaltic dosing
- Great flexibility of use (1 m³ - 250 m³)
- Low maintenance requirements (longlasting biocompatible peristaltic tube)
- Scheduled maintenance alerts
- Advanced operator safety (inverters and low-permeability materials)
- New automatic dosage adjustment system
- Built-in Wi-Fi connectivity
- Remote control via NIMBUS/ My EMEC App

BASIC MODEL ACCESSORIES

- 2 PVDF injection valves (0.3 bar)
- 2 PVDF level probes
- 2 PVDF foot strainers
- 8 meters of suction hose (flexible PVC)
- 2 long-lasting biocompatible tubes 4.8x1.6 (standard equipment)

VELON Series

Peristaltic dosing pumps with stepper motor



WIFI



DIGITAL SERVICES



APP MY EMEC



ONLINE STATS



CUSTOMIZABLE



MAX FLOW RATE

12 l/h

MAX PRESSURE

2 bar

POWER SUPPLY

12 | 24 VDC

24 VAC

100-240 VAC

VELON is a state-of-the-art compact peristaltic dosing pump, equipped with a high-precision, electronically-controlled multifunction stepper motor that guarantees constant and regular chemical product dosing, even in demanding working conditions and with load variations. Designed to offer a complete, easy-to-use solution in all installation contexts that require precise, reliable, quiet and safe operation.

ACCESSORIES

- 1 PVDF injection valve (0.3 bar)
- 1 PVDF foot filter with level probe
- 4 m suction tubing (flexible PVC)
- 1 long-life biocompatible tubing, 4.8 × 1.6 mm (standard supply)
- 1 long-life biocompatible tubing, 1.6 × 1.6 mm (included accessory)

FEATURES COMMON TO THE ENTIRE SERIES

Microprocessor	Pressure (bar - psi)	RPM Range (rpm)	Protection	Power Supply	installation Class
Next-Generation, High-Performance	2 (29)	da 1 a 100	IP65	24 100-240 VAC, 12VDC, 24VDC	II
Flow Rate Range (l/h - gal/h) (Ø1,6x1,6)	Flow Rate Range (l/h - gal/h) (Ø4,8x1,6)	Operating Temperature	Additive Temperature	Manufacturing Materials	Remote Control
0,018 - 1,8 l/h 0,0047 - 0,47 gal/h	0,12 - 12 l/h 0,0317 - 3,17 gal/h	10 - 45 °C 55 - 113 °F	0 - 50 °C 32 - 122 °F	PC/ABS, PVDF, POM, TPV	Web (NIMBUS) e App (MyEmec)

AVAILABLE VERSIONS

DIGITAL

VELON MF

VELON PO

VELON PM

ANALOGIC

VELON CL



SPECIFIC MODEL FEATURES

	Velon MF	Velon PO	Velon CL	Velon PM
DESCRIPTION	Multifunction pump with extensive dosing modes and digital management, including remote control	Versatile pump with proportional adjustment and remote control	Essential, practical pump for constant dosing with manual adjustment via potentiometer	Pump with MODBUS RTU integration, ideal for automated systems
INTER./CONT.	Backlit RGB LCD display, encoder, remote management via app/web	Backlit LCD display, encoder, remote management via app/web	Front potentiometer, LED, ON/OFF button	MODBUS RTU, LED, tasto ON/OFF
WORKING MODE	Constant, CC/Pulse, PPM, %, MLQ, Batch, Volt, mA, Pulse, Weekly Program, Ext Constant	Proportional, Autodosing pH and/or Redox	Constant	External Control
MAINTENANCE	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters
INPUT	MODBUS RTU, Multi-function, Level	MODBUS RTU, Standby, Level, Serial Probe	Level	MODBUS RTU, Level
OUTPUT	Alarm (optional)	Alarm (optional)	Alarm (optional)	Alarm (optional)
CONNECTIVITY	Wi-Fi & Bluetooth	Wi-Fi & Bluetooth	-	-
FW UPDATE	OTA	OTA	-	-

PRISMA Series

Stepper motor dosing pumps



MAX FLOW RATE	MAX PRESSURE
80 l/h	25 bar
POWER SUPPLY	VENTING
12-24 VDC	Manual
24 VAC	
100-240 VAC	



FEATURES

- Pump head available in PVDF, PP, SS and PMMA
- Accessories available in PVDF and PP
- Stepper motor
- Multifunctional software
- High-strength PTFE diaphragm
- Horizontal mounting
- RGB backlit LCD display

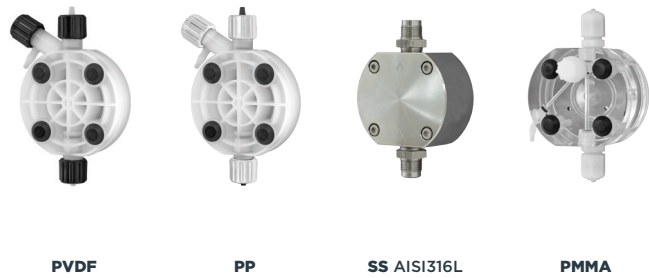
STEPPER MOTOR

- SLOW MODE
- TURNDOWN RATIO 1:4800
- MULTI-COLOUR DISPLAY
- MULTIFUNCTION

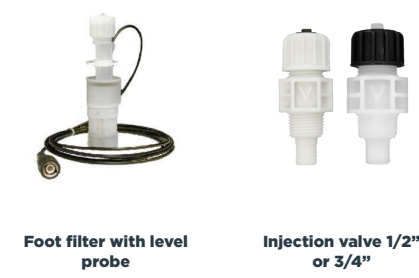
WORKING MODES

- CONSTANT
- MODBUS
- NIMBUS
- CONSTANT WITH EXTERNAL INPUT
- PPM
- %
- mA
- PAUSE-WORK
- WEEKLY TIMER
- MLQ
- CC/PULSE
- VOLT
- BATCH EXTERNAL/MANUAL

PUMP HEADS



ACCESSORIES



PRISMA stepper motor-driven dosing pump has been designed by EMEC to be the best solution for offering high-accuracy metering and extreme reliability.

Thanks to the new stepper motor and to the Multifunction software, **PRISMA** dosing pumps offer complete control over dosing speeds and working modes as well as great flexibility, meeting even extremely complex application needs.

INFO COLOR SCREEN

REAL-TIME FLOW

Constant mode

15.00 L/h

50% 100%

PRISMA

Constant mode

15.00 L/h

50% 100%

Constant mode

Stand-by

Constant mode

15.00 L/h

50% 100%

Constant mode

Level

DOSING
Green

STAND-BY
White

WARNING
Yellow

ALARM
Red

PRISMA dosing pumps feature the Encoder control knob for quickly browsing through the menus and a large display to easily regulate and control the working parameters.

By changing background colors the backlight display can also signal different working status.

TURNDOWN



PRISMA stepper motor-driven pumps give you the most accurate control over the stroke speed, providing an outstanding turndown ratio of up to **4800:1**.

It means **PRISMA** can split up the dosing process into a maximum of **4800 steps** in order to offer the most homogeneous and precise distribution of the product to dose according to the required application.

SLOW MODE



Extreme versatility of **PRISMA** dosing pumps is also due to **Slow Mode** function.

With Slow Mode enabled you can reduce the suction speed from **100** to **30%** of the normal speed, making easier and more reliable the priming and the dosing even when you have to work with particularly viscous liquids.

ELECTROMAGNETIC DOSING PUMPS

WD: PRECISE, RELIABLE,
NOISELESS



WD



All-in-one dosing pumps

WDPHXX series, also available with **peristaltic pumps**

WDPHXX

WDPHxx series has been created by EMEC to provide a complete and small-sized solution for swimming pool water treatment. WDPHXX systems are all-in-one, compact instruments which integrate two dosing pumps and a control instrument into a single, easy to use, highly precise system.

WDPHXX systems can measure pH and another parameter that depends on the chosen model: chlorine, bromine, Redox, antialgae, flocculant, active oxygen. A wide range of products for the highest flexibility.

COMPLETE CONTROL, EVEN REMOTELY

A clear reading of data and an easy browsing through function menus are made simple by a wide backlit LCD display and by the “Encoder” control knob, in order to quickly program the working modes you need, to set alarms and to manage outputs.

You can also remotely control WDPHXX systems from any smartphone or PC with EMEC exclusive online system NIMBUS, so to keep the status of your plant always under control wherever you are.

All-in-one dosing pumps

Multiparameter measurement and control

WDPHCL

pH & Chlorine



WDPHCL / WDPHCL PER

Swimming pool controller with 2 dosing pumps for acid (pH) and chlorine (Cl₂). Liquid ends and pump head made of PVDF.

Wheel control system

Alarm output

RS485 output

Measurement range:

from 0 to 14 pH

from 0 to 10 mg/l Cl₂

PRESSURE

7 bar

5 bar

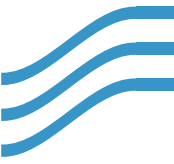
3 bar

FLOW

6 l/h

1 l/h

10 l/h



WDPHRH

pH & ORP



WDPHRH

Swimming pool controller, 2 dosing pumps for acid (pH) and disinfectant (ORP).
Liquid ends and pump head made of PVDF.

Wheel control system

Alarm output
RS485 output

Measurement range:
from 0 to 14 pH
from 0 to 1000 mV

PRESSURE

7 bar
5 bar
3 bar

FLOW

6 l/h
1 l/h
10 l/h

All-in-one dosing pumps

Multiparameter measurement and control

WDPHCLS

pH and Chlorine/Bromine



WDPHCLS
Proportional controller with 1 dosing pump driven by internal built-in pH and Chlorine/Bromine meter. Output: (SCHUKO plug) for sterilisers or Cl/Br feeders. Liquid ends and pump head made of PVDF.
Measurement range:
from 0 to 14 pH
from 0 to 10 mg/l Cl₂ / Br₂
Option: free of voltage EV contact.

PRESSURE		FLOW	
7	bar	6	l/h
5	bar	1	l/h
3	bar	10	l/h
EV OUTPUT		MAX LOAD	
230	VAC	10	A

WDPHRHS

pH and ORP



WDPHRHS
Proportional controller with 1 dosing pump driven by internal built-in pH and ORP meter.
Output: (SCHUKO plug) for sterilisers or Cl/Br feeders. Liquid ends and pump head made of PVDF.

Measurement range:
from 0 to 14 pH
from 0 to 1000 mV

Option: free of voltage EV contact.

PRESSURE		FLOW	
7	bar	6	l/h
5	bar	1	l/h
3	bar	10	l/h
EV OUTPUT		MAX LOAD	
230	VAC	10	A

All-in-one dosing pumps

Dry feeder and salt chlorine generator measurement and control
Bromine, pH and active oxygen measurement and control

WDPHCA



WDPHCA

Proportional controller with 2 dosing pumps for pH and anti algae. 230VAC EV proportional or on/off output for Cl/Br feeders.
Weekly anti algae timer and level probe.
Liquid ends and pump head made of PVDF.
Wheel control system
Alarm output
RS485 output
Measurement range:
from 0 to 14 pH
from 0 to 10 mg/l Cl₂

Optional: free of voltage EV contact.

PRESSURE		FLOW	
7	bar	6	l/h
5	bar	1	l/h
3	bar	10	l/h

WDPHCF



WDPHCF / WDPHCF PER

Proportional controller with 2 dosing pumps for pH (acid- base) and flocculant. 230VAC EV proportional or on/off output for Cl/Br feeders. Level probe and gr/day flocculant dosing. Liquid ends and pump head made of PVDF.

Also available with peristaltic pumps (WDPHCF PER).

Wheel control system

Alarm output

RS485 output

Measurement range:

from 0 to 14 pH

from 0 to 10 mg/l Cl₂

Optional: free of voltage EV contact.

PRESSURE

7	bar
5	bar
3	bar

FLOW

6	l/h
1	l/h
10	l/h

All-in-one dosing pumps

Dry feeder and salt chlorine generator measurement and control
Bromine, pH and active oxygen measurement and control

WDPHOS



WDPHOS

Proportional controller with 2 dosing pumps for pH (acid- base) and active oxygen. Level probe. Temperature reading with enclosed probe. Weekly or daily (hr) active oxygen dosing. Liquid ends and pump head made of PVDF.

Settings:

- daily or weekly timer
- temperature compensation - pool size

Wheel control system Alarm output
RS485 output

PH measurement range: from 0 to 14

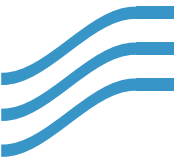
Optional: free of voltage EV contact.

PRESSURE

7 bar
5 bar
3 bar

FLOW

6 l/h
1 l/h
10 l/h



MULTI-FUNCTION DOSING PUMPS

Flow control

(Constant, Divide, Multiply, PPM, Batch, Volt, mA, %, ml/q), stand-by* and flow sensor input*, alarm output** and level control.

AMS MF



PRESSURE

25 bar
15 bar
10 bar
7 bar
3 bar
2 bar

FLOW

5 l/h
10 l/h
15 l/h
20 l/h
40 l/h
60 l/h

KMS MF



PRESSURE

2 bar
5 bar
20 bar
18 bar
15 bar
10 bar
8 bar
5 bar

FLOW

18 l/h
10 l/h
1 l/h
2 l/h
4 l/h
5 l/h
8 l/h
1 l/h

Multifunctions mode dosing pumps

Flow control

(Constant, Divide, Multiply, PPM, Batch, Volt, mA, %, ml/q), stand-by* and flow sensor input*, alarm output** and level control.

TMS MF



PRESSURE

FLOW

20 bar
5 bar
4 bar
3 bar
1 bar
0 bar

5 l/h
15 l/h
20 l/h
30 l/h
50 l/h
100 l/h

TMS MF + CTFI



TMS MF + CTFI
Foot-bath disinfection system.
It works with a pulser sender water meter (1/2" size).
% control with level probe.

CTFI
1/2"

PRESSURE		FLOW	
20	bar	5	l/h
5	bar	15	l/h
4	bar	20	l/h
3	bar	30	l/h
1	bar	50	l/h
0	bar	100	l/h

Dosing pumps

Footbath disinfection systems



VMS MF + CTFI
Foot-bath disinfection system.
It works with a pulser sender water meter (1/2" size).
% control with level probe.

CTFI
1/2"

VMS MF + CTFI



PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
18	bar	4	l/h
15	bar	2	l/h
15	bar	4	l/h
15	bar	5	l/h
10	bar	4	l/h
10	bar	5	l/h
10	bar	10	l/h
7	bar	6	l/h
5	bar	1	l/h
5	bar	10	l/h
5	bar	12	l/h
4	bar	8	l/h
3	bar	10	l/h
2	bar	15	l/h
1	bar	16	l/h

VMS MF + CTFI & CWFA



VMS MF + CTFI & CWFA
Dechloration system for water filters.

It works with a pulse sender water meter (1.1/2" or 2" size).

Proportional volume control (product ppm) with level meter.

CTFI
1"1/2 e 2"

CWFA
3" e 4"

PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
18	bar	4	l/h
15	bar	2	l/h
15	bar	4	l/h
15	bar	5	l/h
10	bar	4	l/h
10	bar	5	l/h
10	bar	10	l/h
7	bar	6	l/h
5	bar	1	l/h
5	bar	10	l/h
5	bar	12	l/h
4	bar	8	l/h
3	bar	10	l/h
2	bar	15	l/h
1	bar	16	l/h

Dosing pumps

Dosing and Control Systems for Algaecide, Active Oxygen and Flocculant

VMS MF

Algaecide



PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
18	bar	4	l/h
15	bar	2	l/h
15	bar	4	l/h
15	bar	5	l/h
10	bar	4	l/h
10	bar	5	l/h
10	bar	10	l/h
7	bar	6	l/h
5	bar	1	l/h
5	bar	10	l/h
5	bar	12	l/h
4	bar	8	l/h
3	bar	10	l/h
2	bar	15	l/h
1	bar	16	l/h

CONSTANT MODE 34/35

DOSING PUMPS

Flow control

Constant mode dosing pumps with level and flow control. Double frequency scale.

AMS CL PLUS



PRESSURE

25 bar
15 bar
10 bar
7 bar
3 bar
2 bar

FLOW

5 l/h
10 l/h
15 l/h
20 l/h
40 l/h
60 l/h

Constant mode dosing pumps

Flow control

K CL PLUS



PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
15	bar	4	l/h
10	bar	5	l/h
8	bar	8	l/h
5	bar	1	l/h
5	bar	10	l/h
2	bar	18	l/h

Constant mode dosing pumps

Flow control

Constant mode dosing pumps with level and flow control. Double frequency scale.

T CL



PRESSURE

20 bar
5 bar
4 bar
3 bar
1 bar
0 bar

FLOW

5 l/h
15 l/h
20 l/h
30 l/h
50 l/h
100 l/h

V CL



PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
18	bar	4	l/h
15	bar	2	l/h
15	bar	4	l/h
15	bar	5	l/h
10	bar	4	l/h
10	bar	5	l/h
10	bar	10	l/h
7	bar	6	l/h
5	bar	1	l/h
5	bar	10	l/h
5	bar	12	l/h
4	bar	8	l/h
3	bar	10	l/h
2	bar	15	l/h
1	bar	16	l/h

Dosing pumps

Dosing and Control Systems for Algacide, Active Oxygen and Flocculant

38/39



VCOG & VCLG

Flocculant



VCOG & VCLG

Metering pump for flocculant.

Double scale (24h):

- 0 to 300 gr/day
- 0 to 3000 gr/day

Level probe included.

PRESSURE

5 bar

FLOW

3000 gr/24h

Dosing pumps

Dechloration system for filters cleaning waters

VCLD



VCLD

Dechlorination system for waters filters (chlorine).
Level meter. SEFT C contact less water sensor (fittings 3/4").
SEFT P flow sensor (fittings 1/2").

Settings:

- 0-800 gr/h
- 0-8000 gr/h

Level probe included.

SEFT C and SEFT P are optional.

PRESSURE

3 bar

FLOW

10 l/h

Dosing pumps

Scent and essences dosing for spa

40/41



VCLS

Scent and essences dosing



VCLS

Silenced pump for scent and essences dosing at spas and hammam centres.

Double scale:

- 0 to 100 g/hr
- 0 to 1000 g/hr

Level probe included.

PRESSURE

7 bar

FLOW

1 l/h

Dosing pumps

Scent and essences dosing for spa

VCLSE

C.E. Scent and essences dosing



VCLSE

Silenced pump for scent and essences dosing at spas and hammam centres. Contact (N.O.) for external control.

Double scale:

- 0 to 100 g/hr
- 0 to 1000 g/hr

Level probe included.

PRESSURE

7 bar

FLOW

1 l/h

PROPORTIONAL DOSING PUMPS WITH PARAMETER MEASUREMENT

PH / ORP measurement & control

Proportional dosing pumps with pH and/or ORP measurement and control, with overdose alarm.

TMS PH & TMS RH



TMS PH

Proportional pump driven by internal built-in pH meter (0÷14pH) stand-by and level control, supplied without pH probe.

TMS RH

Proportional pump driven by internal built-in ORP meter (0÷1000mV) stand-by and level control, supplied without ORP probe.

PRESSURE		FLOW	
20	bar	5	l/h
5	bar	15	l/h
4	bar	20	l/h
3	bar	30	l/h
1	bar	50	l/h
0	bar	100	l/h

Proportional dosing pumps with parameter measurement

PH / ORP measurement & control

VMS PO



VMS PO

Proportional pump driven by internal built-in pH meter (0/14pH) or ORP meter (-1000mV/+1000mV). Parameter set by menu. Level control. PVDF pump head and accessories. Fast calibration on standard value. Restore last calibration.

PRESSURE		FLOW	
20	bar	1	l/h
18	bar	2	l/h
18	bar	4	l/h
15	bar	2	l/h
15	bar	4	l/h
15	bar	5	l/h
10	bar	4	l/h
10	bar	5	l/h
10	bar	10	l/h
7	bar	6	l/h
5	bar	1	l/h
5	bar	10	l/h
5	bar	12	l/h
4	bar	8	l/h
3	bar	10	l/h
2	bar	15	l/h
1	bar	16	l/h

Dosing pumps

Anti algae, active oxygen, flocculant measurement and control

44/45



VMSA H₂O₂

Active oxygen



VMSA H₂O₂
Active oxygen pump.

Also available with peristaltic pump (VMSA H2O2 PER).

Settings:

- day/week timer
- temperature compensation
- pool size

Level and temperature probes included.

PRESSURE

3 bar

2 bar

FLOW

4 l/h

10 l/h

MULTIPARAMETER DIGITAL CONTROLLERS

Measurement and control of several parameters simultaneously

pH / Total Chlorine / Free chlorine / Combined
Chlorine / ORP / Turbidity Conductivity / Inductive
conductivity / Bromine / Ozone + Temperature

CENTURIO POOL series



CENTURIO

Options:

- USB for data log recording
- Current Output (0/4 - 20 mA)
- Ethernet
- 3G/4G modem
- MODBUS RTU & TCP/IP
- WIFI



RANGES

pH

from 0 to 14 pH

Bromine

from 0 to 10 mg/l

ORP

from -1000 to 1000 mv

Turbidity

from 0 to 4000 NTU

Total chlorine

from 0 to 20 mg/l

Temperature

from 0 to 100 °C

Free chlorine

from 0 to 20 mg/l

Conductivity

from 0 to 300 mS

Combined chlorine

from 0 to 10 mg/l

CENTURIO POOL is a digital regulation and measurement system for multi-parameter control in swimming pool water treatment. It combines complete control and extreme ease of use with the elegance of the case made by Giugiaro Design.

Equipped with a Linux operating system, a high-performance ARM A5 microprocessor and a large color touchscreen, CENTURIO POOL can be set to work with pH priorities and can control flocculant output, shock chlorination and backwashing of filters and simultaneously manage up to 10 channels to read the following parameters: pH, free chlorine, combined chlorine, active free chlorine, total chlorine, conductivity, ORP, NTU, product levels, pool water level. For each channel CENTURIO POOL has 2 digital setpoints (ON / OFF), 2 proportional setpoints (IS), 1 mA output setpoint and 1 Temperature setpoint; you can also set 6 timers with a maximum of 10 daily schedules each.

CENTURIO POOL can be connected to the Internet via WIFI, GSM or ETHERNET and remotely controlled via NIMBUS, the online control system designed by EMEC. It is also equipped with the MODBUS serial communication protocol (optional) which allows connection with other devices within RS485 networks.



DIGITAL SERVICES

Multiparameter digital controllers

Measurement and control of several parameters simultaneously

pH / Total Chlorine / Free chlorine / Combined Chlorine / ORP / Turbidity Conductivity / Inductive conductivity / Bromine / Ozone + Temperature

LDPHXX series



LDPHXX / LDPHXX PLUS

Options:

- USB for data log recording
- Current Output (0/4 - 20 mA)
- Ethernet
- 3G/4G modem
- MODBUS
- WIFI

LDPHXX PLUS features

- 5 relais (2 setpoint; alarm; probe cleaning; circulation)
- Probe Cleaning
- PID
- mA output

*Specificare i parametri e il tipo di sonda per cloro al momento dell'ordine



MODELS

LDPHRH / LDPHRH PLUS

pH (0/14) - Redox (0/1000 mV) - °C (0/99,9)

LDPHCL* / LDPHCL* PLUS

pH (0/14) - Cloro (0/10 mg/l Cl₂) - °C (0/99,9)

LDPHBR / LDPHBR PLUS

pH (0/14) - Bromo (0/10 mg/l Br₂) - °C (0/99,9)

LDPHDO / LDPHDO PLUS

pH (0/14) - O₂ (0/200 mg/l H₂O₂) - °C (0/99,9)

Controller for acid (pH) and a second parameter. Wheel with “EASY-NAV” control, Flow control, Local & Remote Controlled, NIMBUS web communication, Permanent data storage with system log, PT100 temperature probe, Stand-by input, Alarms: damaged probes - max dosage - threshold - levels - flow, Programmable delay at dosing start-up (up to 60 minutes), Priority dosage, Probe readout menu, Probes check up, Multiple probe readings can be viewed, Working modes: on/off, impulsive proportional, proportional PWM and fixed PWM, Automatic or manual dosing activity, Chlorine/Bromine selection with ECL6 (LDPHCL), mA output (option).



DIGITAL SERVICES

Single parameter digital controllers

pH - ORP - Cl₂ - Br₂ - O₃ - Total Chlorine - H₂O₂ - Inductive conductivity - Turbidity + Temperature measurement and control

LDS series



LDS / LDS PLUS

Options:

- USB for data log recording
- Current Output (0/4 - 20 mA)
- Ethernet
- 3G/4G modem
- MODBUS
- WIFI

LDS PLUS features

- 5 relais (2 setpoint; alarm; probe cleaning; circulation)
- Probe Cleaning
- PID
- mA output



MODELS

LDSPH / LDSPH PLUS

pH measurement and control

LDSRH / LDSRH PLUS

ORP measurement and control

LDSCCL / LDSCCL PLUS

Chlorine measurement and control (reading scale based on probe)

LDSCD / LDSCD PLUS

Conductivity measurement and control

LDSCDIND / LDSCDIND PLUS

Inductive conductivity measurement and control (ECDINDPT probe)

LDSETORB2 / LDSETORB2 PLUS

Turbidity measurement and control (ETORB2 probe)

LDSTRC / LDSTRC PLUS

Florescence measurement and control

LDSFL / LDSFL PLUS

Fluorine measurement and control

Wheel with "EASY-NAV" control, flow control, local & Remote Control, ERMES web communication, permanent data storage with system log, PT100 temperature probe, Stand-by input, Alarms: damaged probes - max dosage - threshold - levels - flow, Programmable delay at dosing start-up (up to 60 minutes), Priority dosage, Automatic temperature compensation, Probe readout menu (LDSCDIND), Working modes: on/off, impulsive proportional, proportional PWM and fixed PWM, Automatic or manual dosing activity, mA output (option).



DIGITAL SERVICES

Single parameter digital controllers

RACK MOUNTING CONTROLLERS

Controller for: pH, ORP, Chlorine (Total chlorine, Free Chlorine, Chlorine Dioxide, Hydrogen Peroxyde, Ozone, Bromine, Peracetic Acid depending on the probe), Conductivity (Probes not included). 2 On-Off/proportional setpoints, Flow alarm, Flow sensor stand-by input, 0÷20 mA or 4÷20 mA output proportional to read measured value and programmable in the reading range.

JA



JA PRO control instruments are rack mounting (96x96) single reading systems with temperature reading. On/Off, impulsive proportional and PID are main working modes.

It can set and monitor: pH, ORP, chlorine (depending on the probe: total chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid) and conductivity (uS/S - Ohm - TDS / PPM) with automatic range and probe / product selection (H₃PO₄ - H₂SO₄ - HNO₃ - HCl - NaOH - NaCl). Probes are not included.

JA PRO has: 2 setpoints (on/off, proportional), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range, alarm output. Available low voltage 12VDC or 24VDC power supply. Available IP54 protection cover.

JA PRO is equipped with mA module and MODBUS serial communication to be connected to other devices on RS485 networks and TCP/IP MODBUS.

JA PRO

Options:

- 12VDC or 24VDC power supply
- IP54 protection

JA PRO

Features:

- mA module
- MODBUS serial communication



J DIGITAL & DIN DIGITAL



J DIGITAL

Rack mounting (96x48) single reading systems

J DIGITAL control instruments are a series of rack mounting (96x48) single reading systems that meets many applications.

It can set and monitor: pH, ORP, chlorine (depending on the probe: total chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid), conductivity, ozone, chlorine dioxide and temperature.

Probes are not included.

J DIGITAL models have: 2 setpoints (on/off, proportional), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range. Available IP54 protection cover.



DIN DIGITAL

Rail mounting (6 modules) single reading system

DIN DIGITAL control instruments are a series of rail mounting (6 modules) single reading systems that meets many applications.

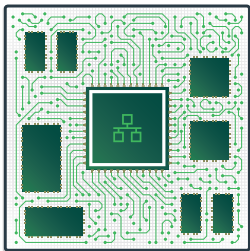
It can set and monitor: pH, ORP, chlorine (depending on the probe: totalchlorine, free chlorine, chlorine dioxide, hydrogen peroxide, ozone, bromine or paracetic acid), conductivity, ozone, chlorine dioxide and temperature. Probes are not included.

DIN DIGITAL models have: 2 setpoints (on/off, proportional), flow alarm, flow sensor stand-by input, 0-20 mA or 4-20 mA output proportional to read value and programmable in the reading range.

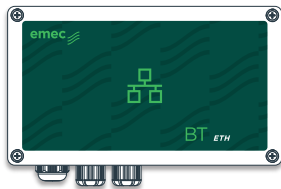


MODEM AND EXTERNAL COMMUNICATION MODULES

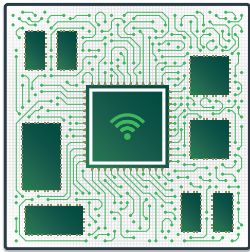
For LD, WDPHXX and CENTURIO controller series



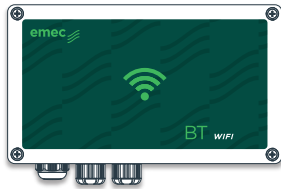
ETHERNET MODULE
Internal standard ETHERNET (RJ45) controller for LD encoder.



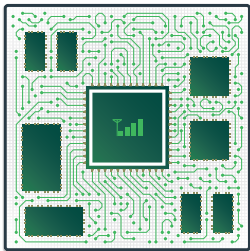
BT ETH
Ethernet controller for standard RJ45 network. IP65.



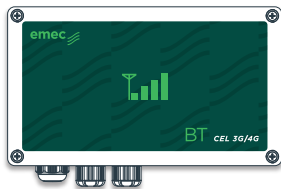
WIFI MODULE
Module for WIFI network. IP65.



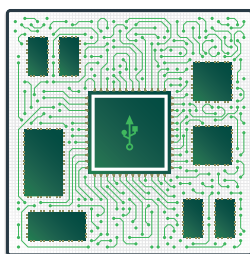
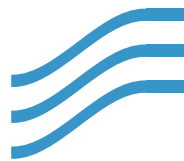
BT WIFI
Module for WIFI connection. IP65.



3G/4G MODULE
Internal 3G/4G modem for LD encoder.



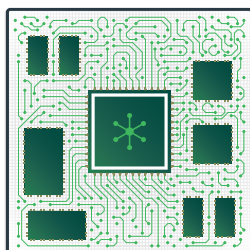
BT CEL
Modem for mobile network. IP65.



USB MODULE
Module for USB connection.
IP65.



BT USB
USB module for USB datalog
recording. IP65.



MODBUS MODULE
MODBUS RTU module for PLC
connection.

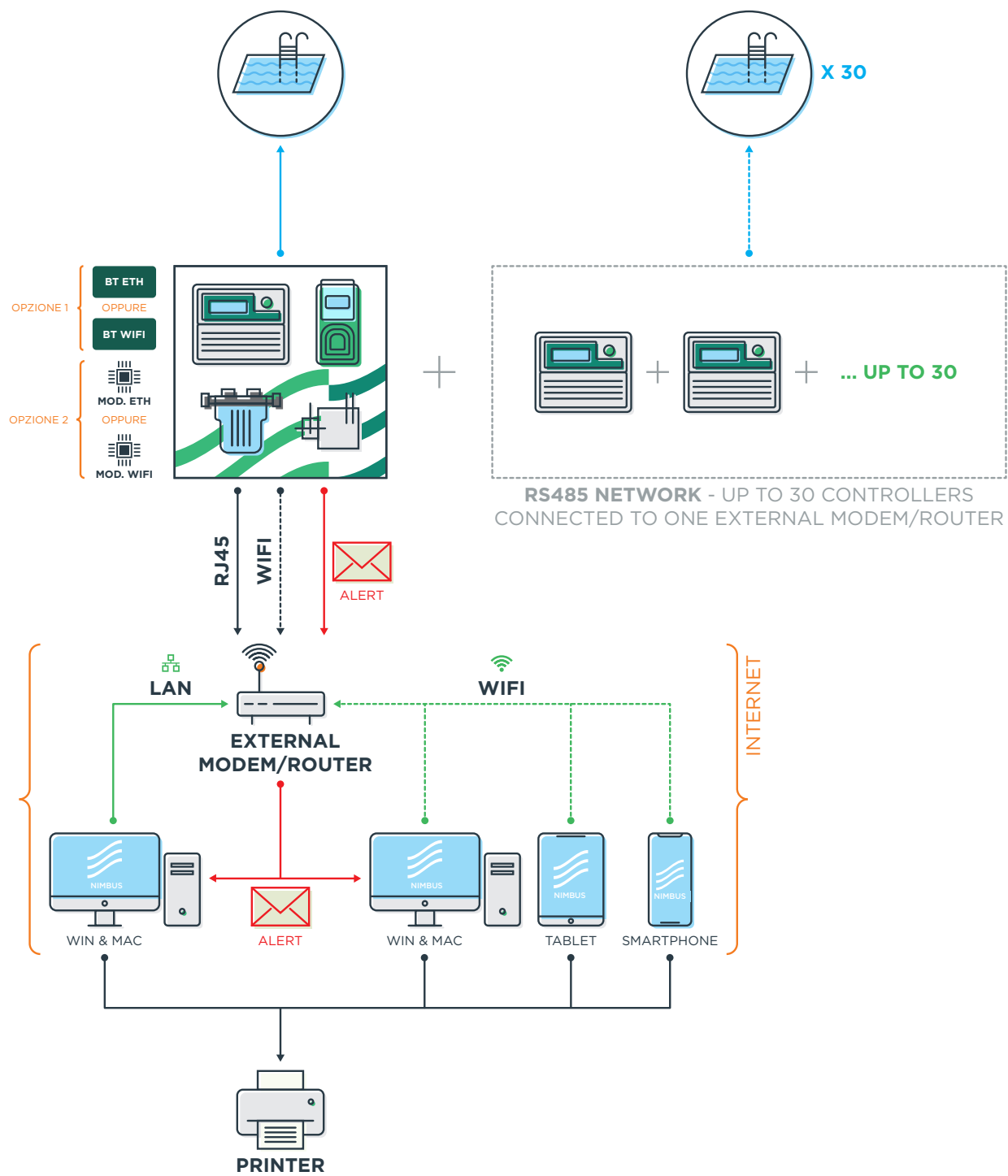


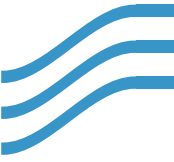
BT MODBUS
Serial communication module
for PLC connection.

Remote measurement and control

CONNECTION EXAMPLE

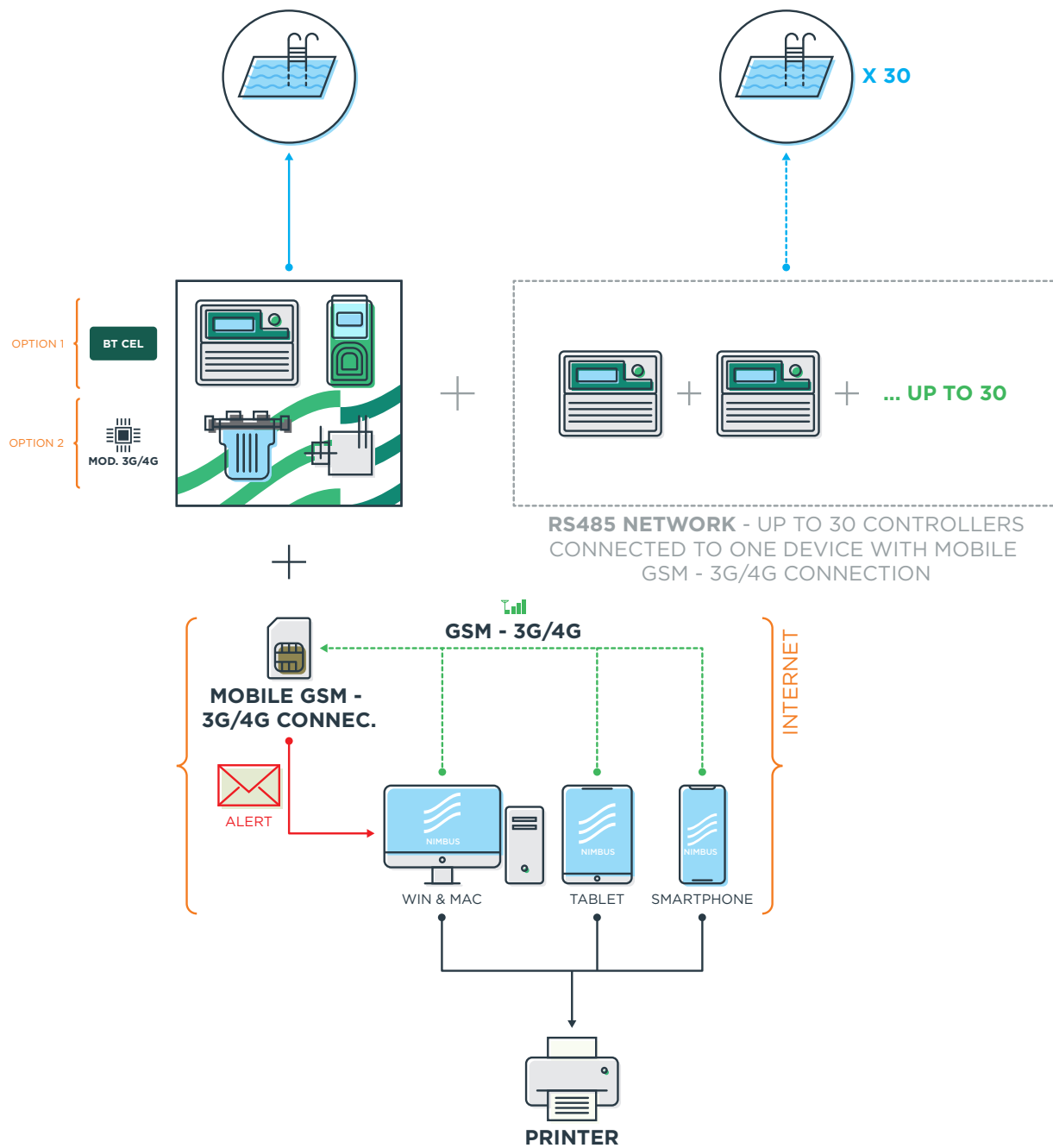
ETHERNET - WIFI



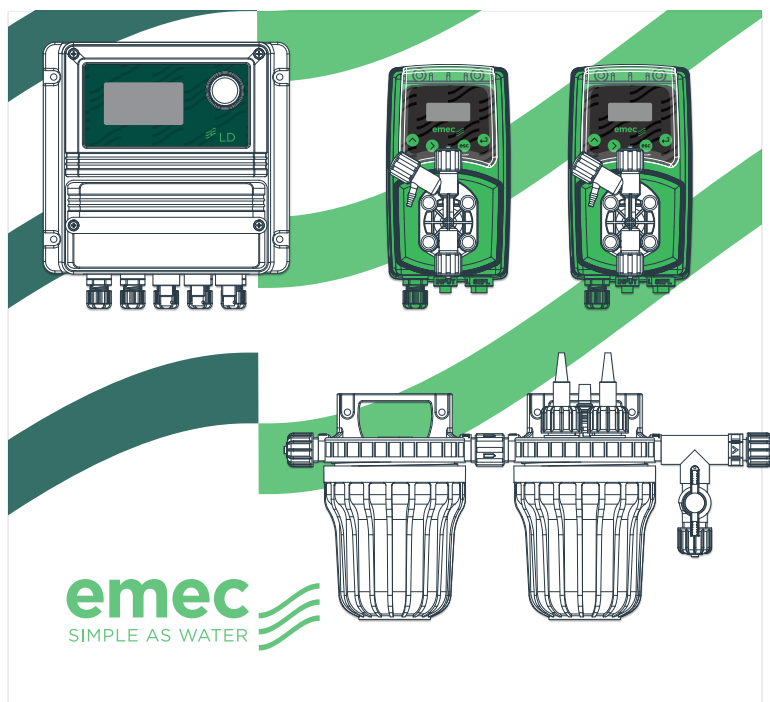


CONNECTION EXAMPLE

GSM - 3G/4G



ALL-IN-ONE CONTROL AND DOSING SOLUTIONS

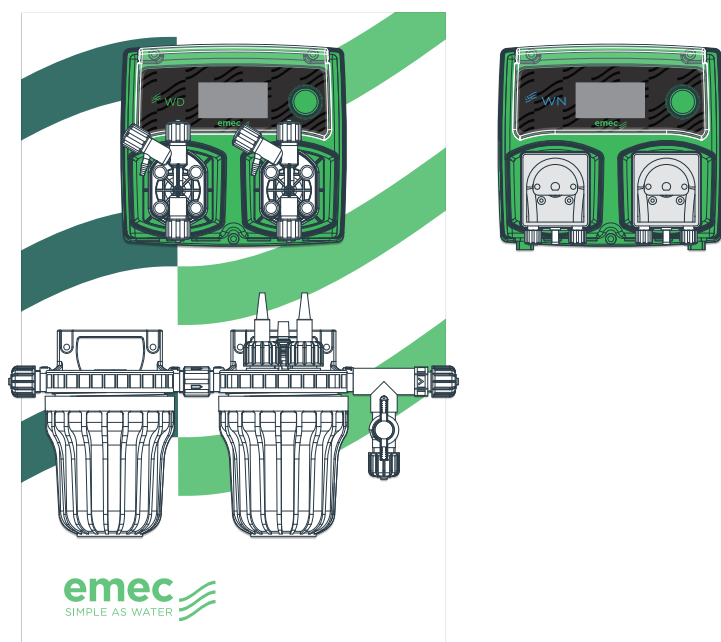


PA-LDPHRH

PH AND ORP PROPORTIONAL CONTROL

- Controller LDPHRH
- Dosing pump VMS MF 03 10 (10 l/h)
- Dosing pump VMS MF 03 10 (10 l/h)
- Filter NFIL
- pH probe EPHS
- ORP probe ERHS
- Probe holders NPED4

Size: 600x650 mm
Customized coloured background on demand



PA-WDPHOS & PA-WNPHOS

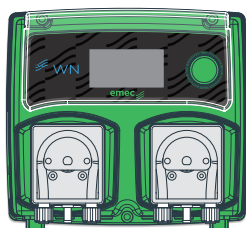
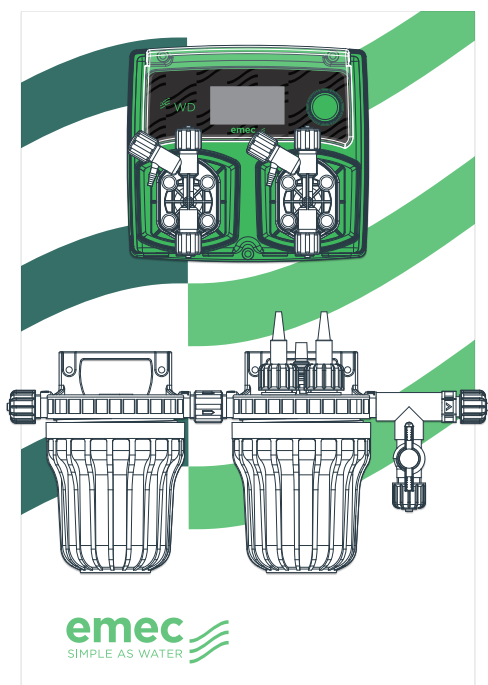
PH AND ACTIVE OXYGEN PROPORTIONAL CONTROL

- Controller WDPHOS 03 10 (10 l/h) and 03 04 (4 l/h) or WNPHOS PER (with peristaltic dosing pumps)
- Filter NFIL
- Temperature probe ETEPTCH18
- pH probe EPHS
- Probes holder NPED4

Optional: Also available with WNPHOS PER

Size: 400x600 mm
Customized coloured background on demand.

OUTPUT **RS485**



PA-WDPHRH & PA-WNPHORH

PH AND ORP PROPORTIONAL CONTROL

- Controller WDPHRH 03 10 (10 l/h), 05 01 (1 l/h) and 10 04 (4 l/h), or WDPHRH PER (with peristaltic dosing pumps).
- Filter NFIL
- Probe ORP ERHS
- Probe pH EPHS
- Probes holder NPED4

Optional: Also available with WNPHRH PER

Size: 400x600 mm
Customized coloured background on demand.

OUTPUT **RS485**

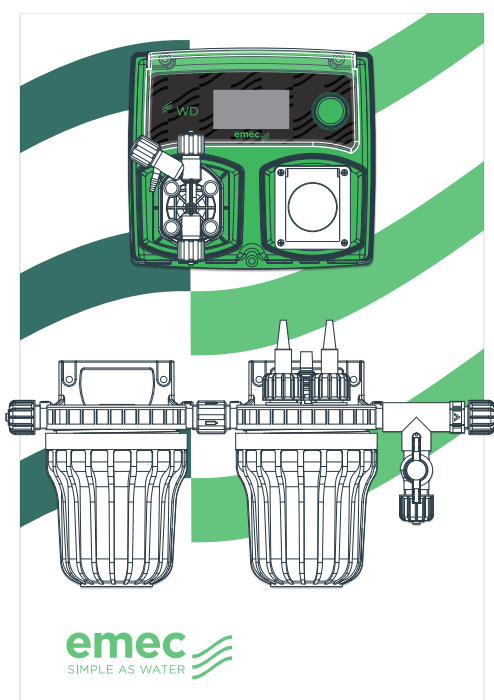
PA-WDPHEV

PH OR ORP PROPORTIONAL CONTROL, DRY FEEDER SOLENOID VALVE OR SALT GENERA- TOR (230VAC / 10A) OUTPUT

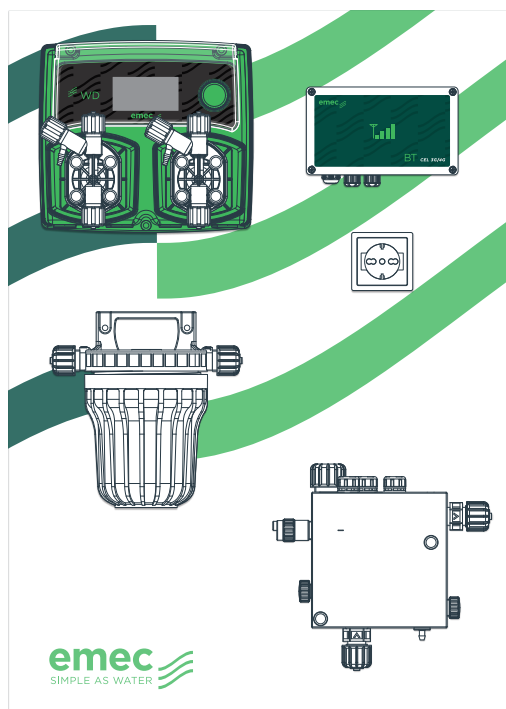
- Controller WDPHRHS 07 06 (6 l/h) or 05 01 (1 l/h) 2. Filter NFIL
- Probe ORP ERHS
- Probe pH EPHS
- Probes holder NPED4

Size: 400x600 mm
Customized coloured background on demand.

OUTPUT **RS485**



All-in-one systems



PA-WDPHCFA & PA-WDPHCASA

SALT CHLORINE GENERATOR VERSION:

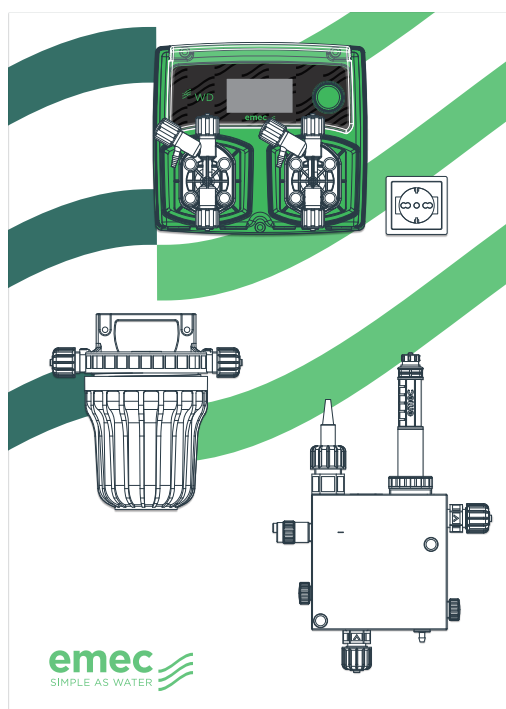
*Flocculant with continuous dosing PA-WDPHCFA
Anti algae with weekly timer PA-WDPHCASA*

- Controller WDPHCA 07 06 (6 l/h), 05 01 (1 l/h) or 10 04 (4 l/h)
- Probe pH EPHS
- Filter NFIL
- Proximity sensor SEPR
- Open amperometric cell ECL6
- Modem BT CEL
- Output 10 A 220 VAC

Optional: Free of voltage EV contact.

Size: 500x700 mm
Customized coloured background on demand.

OUTPUT **RS485**



PA-WDPHCA/CF & PA-WDPHBA/BF

CHLORINE / BROMINE DRY FEEDER:

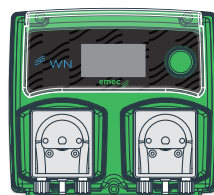
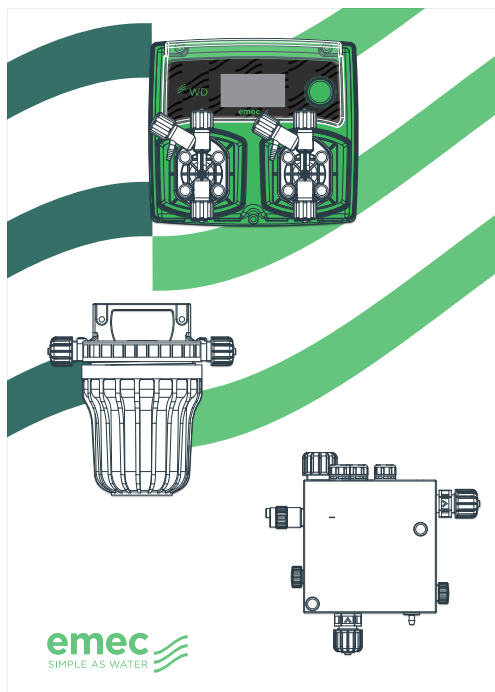
*Flocculant with continuous dosing PA-WDPHCFBF
Anti algae with weekly timer PA-WDPHCABA*

- Controller WDPHCL 07 06 (6 l/h), 05 01 (1 l/h) or 10 04 (4 l/h)
- Probe pH EPHS
- Chlorine probe SCL3S/20 or Bromine probe SBR 1/20
- Filter NFIL
- Proximity sensor SEPR
- Probes holder PEF1R
- Output 10 A 220 VAC

Optional: Free of voltage EV contact.

Size: 500x700 mm
Customized coloured background on demand.

OUTPUT **RS485**



PA-WDPHCL & PA-WNPHCL

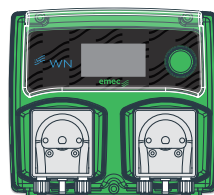
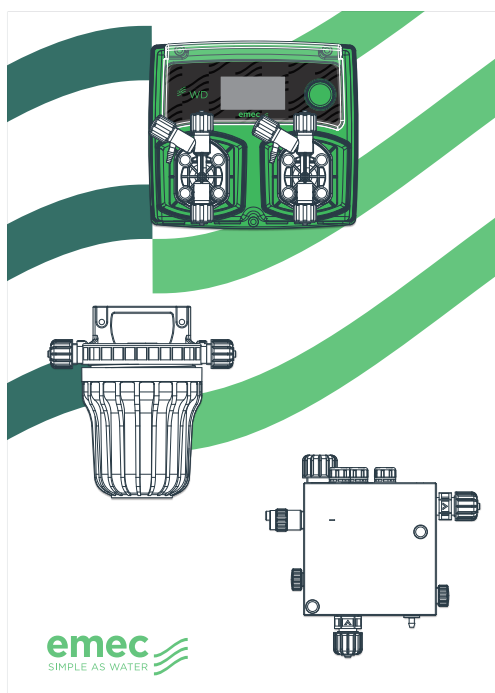
PH AND CHLORINE PROPORTIONAL CONTROL

- Controller WDPHCL 07 06 (6 l/h), 05 01 (1 l/h) or 10 04 (4 l/h), or WNPHCL PER (with peristaltic dosing pumps).
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Open amperometric cell ECL6

Optional: Also available with WNPHCL PER

Size: 500x700 mm
Customized coloured background on demand.

OUTPUT **RS485**



PA-WDPHCLO & PA-WNPHCLO

PH AND CHLORINE PROPORTIONAL CONTROL (INORGANIC/ORGANIC)

- Controller WDPHCL 07 06 (6 l/h), 05 01 (1 l/h) or 10 04 (4 l/h), or WNNPHCL PER (with peristaltic dosing pumps).
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Chlorine probe SLC3S/20
- Probes holder PEF1R

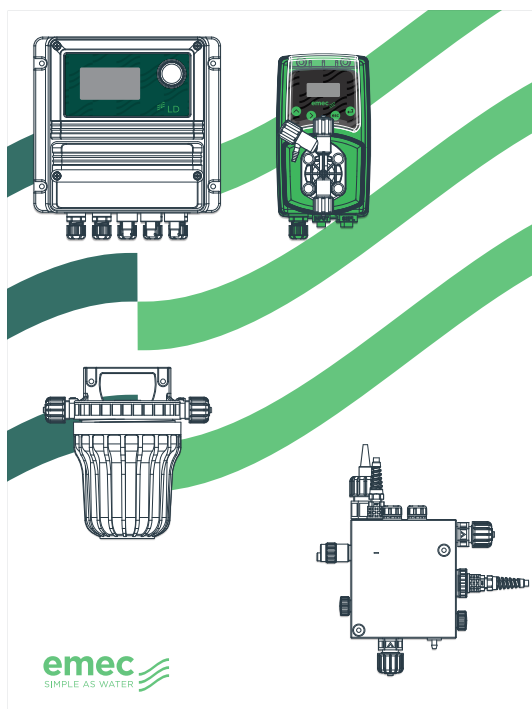
Optional: Also available with WNPHCLO PER

Size: 500x700 mm
Customized coloured background on demand.

OUTPUT **RS485**

All-in-one systems

Controller based system with open amperometric cell ECL6

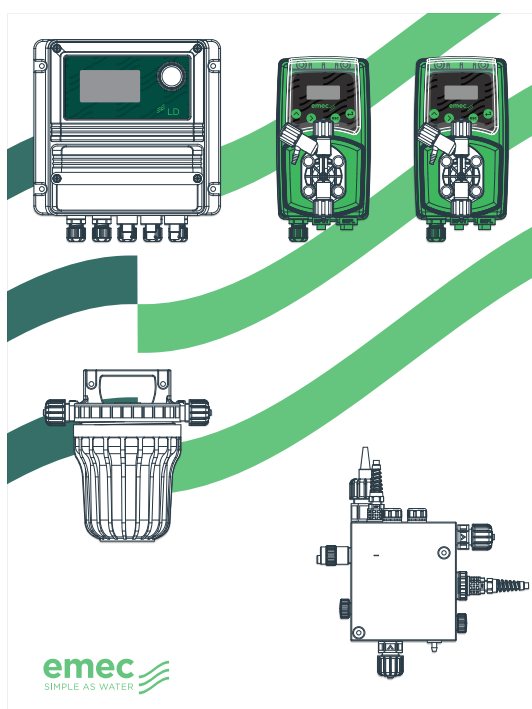


PA-LDPHCL

**FOR DRY FEEDER USAGE (CHLORINE / BROMINE) OR SALT CHLORINE GENERATOR.
MEDIUM SIZE POOL**

- Controller LDPHCL
- Dosing pump for acid VMS MF 03 10 (10 l/h) 3.
Filter NFIL
- Probe pH EPHS
- Proximity sensor SEPR
- Temperature probe ETEPTCH18
- Open amperometric cell ECL6

Size: 600x800 mm
Customized coloured background on demand.

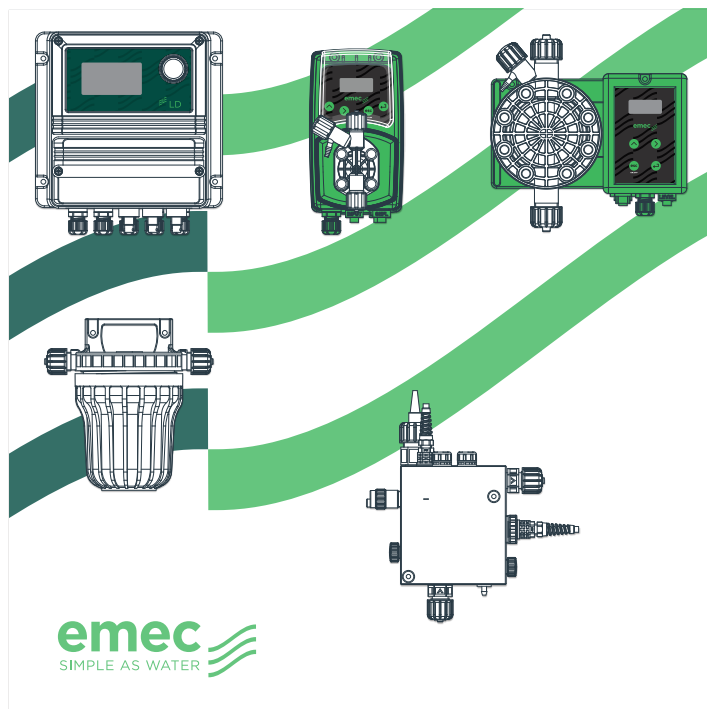


PA-LDPHCLO

**PH AND CHLORINE PROPORTIONAL CONTROL.
MEDIUM SIZE POOL**

- Controller LDPHCL
- Dosing pump for acid VMS MF 03 10 (10 l/h)
- Dosing pump for chlorine VMS MF 02 15 (15 l/h)
- Filter NFIL
- Probe pH EPHS
- Proximity sensor SEPR
- Temperature probe ETEPTCH18
- Open amperometric cell ECL6

Size: 600x800 mm
Customized coloured background on demand.



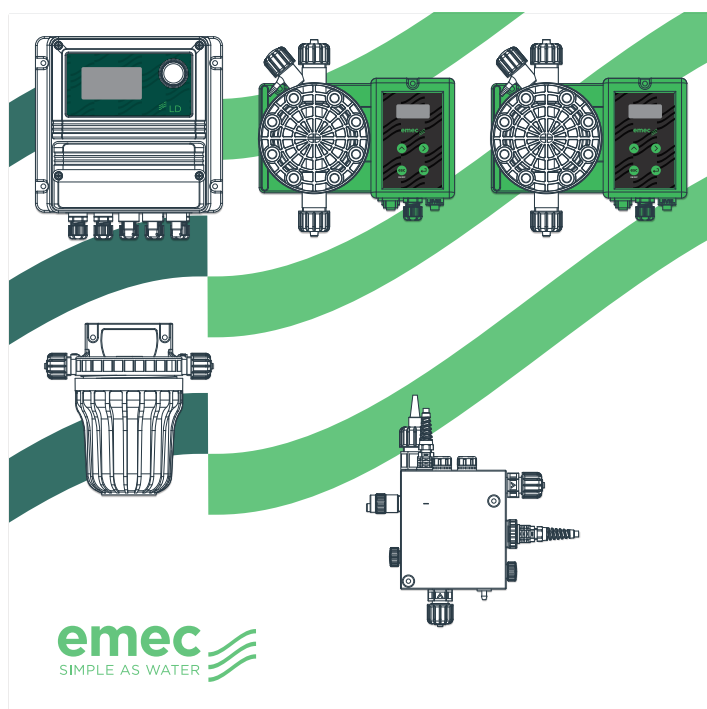
PA-LDPHCLOB

FOR PH AND CHLORINE PROPORTIONAL CONTROL. LARGE SIZE POOL

- Controller LDPHCL
- Dosing pump for acid VMS MF 02 15 (15 l/h)
- Dosing pump for chlorine TMS MF 03 30 (30 l/h)
- Filter NFIL
- Probe pH EPHS
- Proximity sensor SEPR
- Temperature probe ETEPTCH18
- Open amperometric cell ECL6

Size: 800x800 mm

Customized coloured background on demand.



PA-LDPHCLOBG

FOR PH AND CHLORINE PROPORTIONAL CONTROL. LARGE SIZE POOL

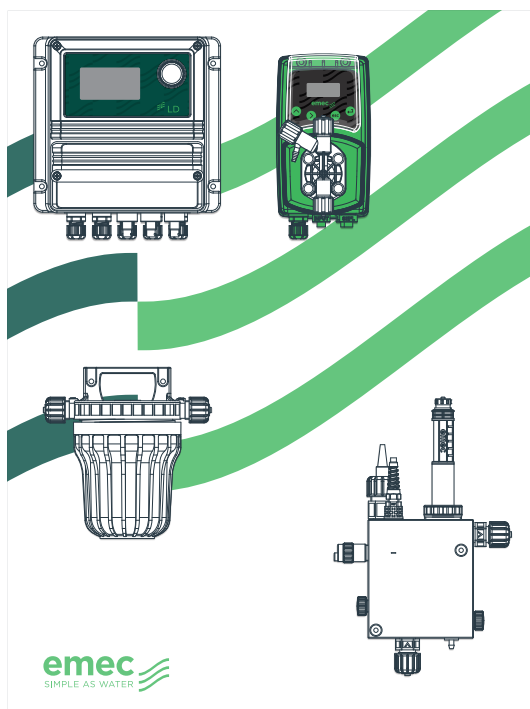
- Controller LDPHCL
- Dosing pump for acid TMS MF 03 30 (30 l/h)
- Dosing pump for chlorine TMS MF 01 50 (50 l/h)
- Filter NFIL
- Probe pH EPHS
- Proximity sensor SEPR
- Temperature probe ETEPTCH18
- Open amperometric cell ECL6

Size: 800x800 mm

Customized coloured background on demand.

All-in-one systems

Controller based system with closed amperometric cell SCL3S/20 and PEF1



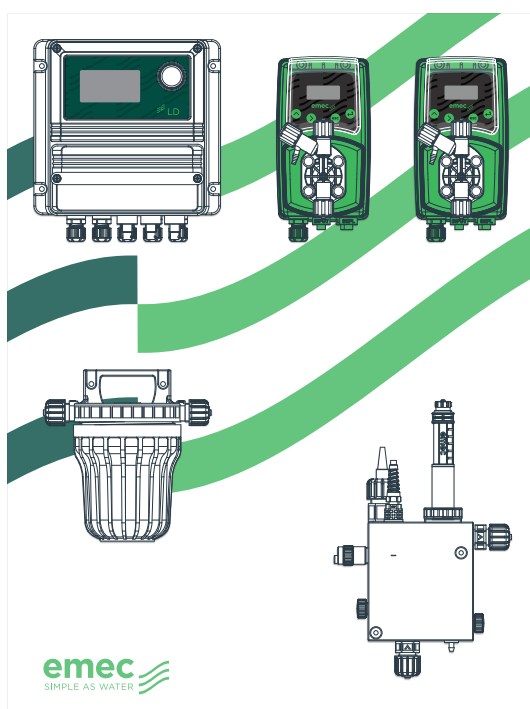
PA-LDPHCLV & PA-LDPHBR

FOR DRY FEEDER OR SALT CHLORINE GENERATOR. MEDIUM SIZE POOL

- Controller LDPHCL
- Dosing pump for acid VMS MF 03 10 (10 l/h)
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Chlorine probe SCL3S/20
- Temperature probe ETEPTCH18
- Probes holder PEF1R

PA-LDPHBR: Also available with bromine probe EBR 1/20.

Size: 600x800 mm
Customized coloured background on demand.

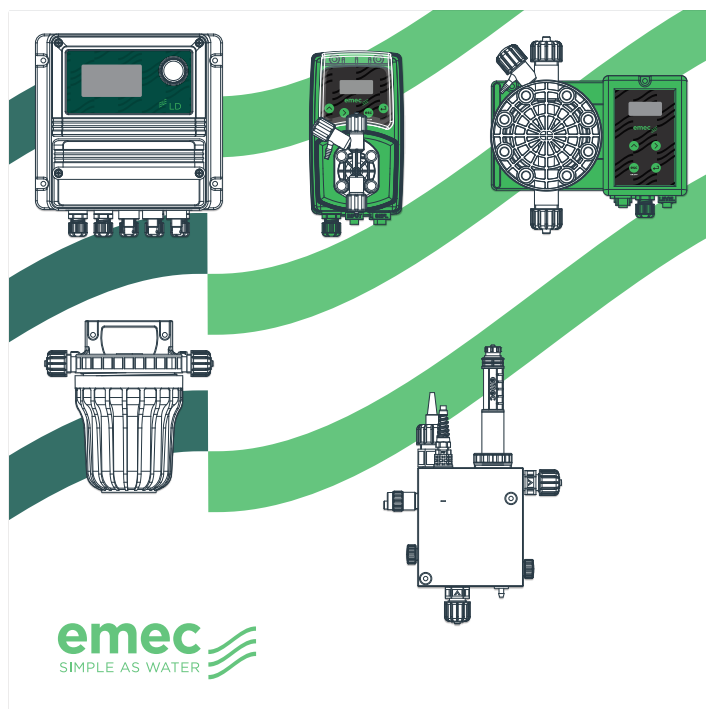


PA-LDPHCLVD

PH AND CHLORINE PROPORTIONAL CONTROL (INORGANIC/ORGANIC). MEDIUM SIZE POOL

- Controller LDPHCL
- Dosing pump for acid VMS MF 03 10 (10 l/h)
- Dosing pump for chlorine VMS MF 02 15 (15 l/h)
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Chlorine probe SCL3S/20
- Temperature probe ETEPTCH18
- Probes holder PEF1R

Size: 600x800 mm
Customized coloured background on demand.

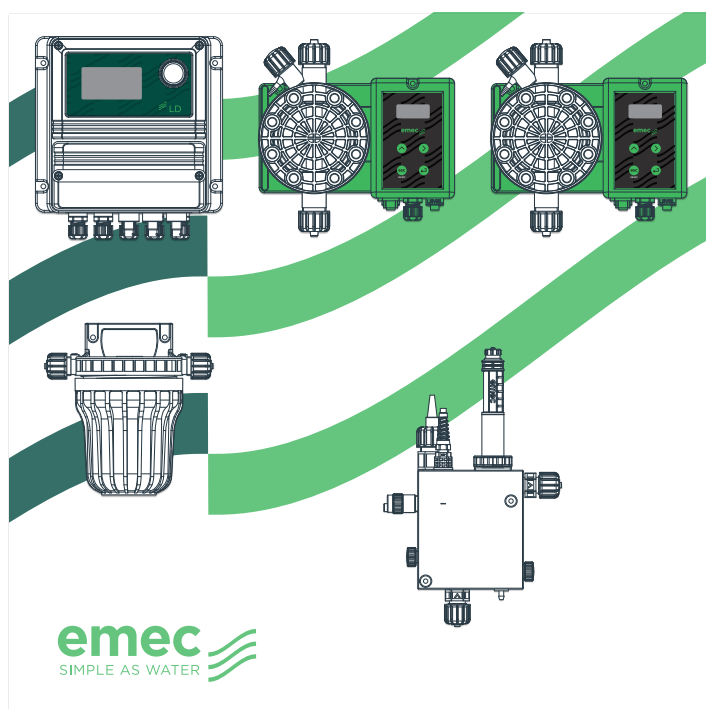


PA-LDPHCLVG

PH AND CHLORINE PROPORTIONAL CONTROL (INORGANIC/ORGANIC). BIG SIZE POOL

- Controller LDPHCL
- Dosing pump for acid VMS MF 02 15 (15 l/h)
- Dosing pump for chlorine TMS MF 03 30 (30 l/h)
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Chlorine probe SCL3S/20
- Probes holder PEF1R

Size: 800x800 mm
Customized coloured background on demand.



PA-LDPHCLGD

PH AND CHLORINE PROPORTIONAL CONTROL (INORGANIC/ORGANIC). BIG SIZE POOL

- Controller LDPHCL
- Dosing pump for acid TMS MF 03 30 (30 l/h)
- Dosing pump for chlorine TMS MF 01 50 (50 l/h)
- Filter NFIL
- Proximity sensor SEPR
- Probe pH EPHS
- Chlorine probe SCL3S/20
- Probes holder PEF1R

Size: 800x800 mm
Customized coloured background on demand.

Advanced all-in-one systems

PA-CEDB

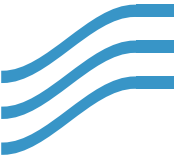


PH, ORP, FREE CHLORINE, TOTAL CHLORINE, COMBINED CHLORINE AND TEMPERATURE ANTI ALGAE AND FLOCCULANT TREATMENT

- Controller CENTURIO POOL
- Dosing pump for acid VMS MF 03 10 (10 l/h)
- Dosing pump for chlorine VMS MF 02 15 (15 l/h)
- Dosing pump for flocculant VCLG
- Dosing pump for anti algae VMS MF 07 06 (6 l/h)
- Filter NFIL
- Probe di pH EPHS
- ORP probe ERHS
- Temperature probe ETEPTCH18
- Free chlorine probe SCL3S/20
- Total chlorine probe SCL8/20
- Proximity sensor SEPR
- Probes holder PEF22R

Optional: also available with Centurio Pool controller

Size: 1000x800 mm
Customized coloured background on demand.



PA-CEDV



PH, ORP, FREE CHLORINE, TOTAL CHLORINE, COMBINED CHLORINE AND TEMPERATURE

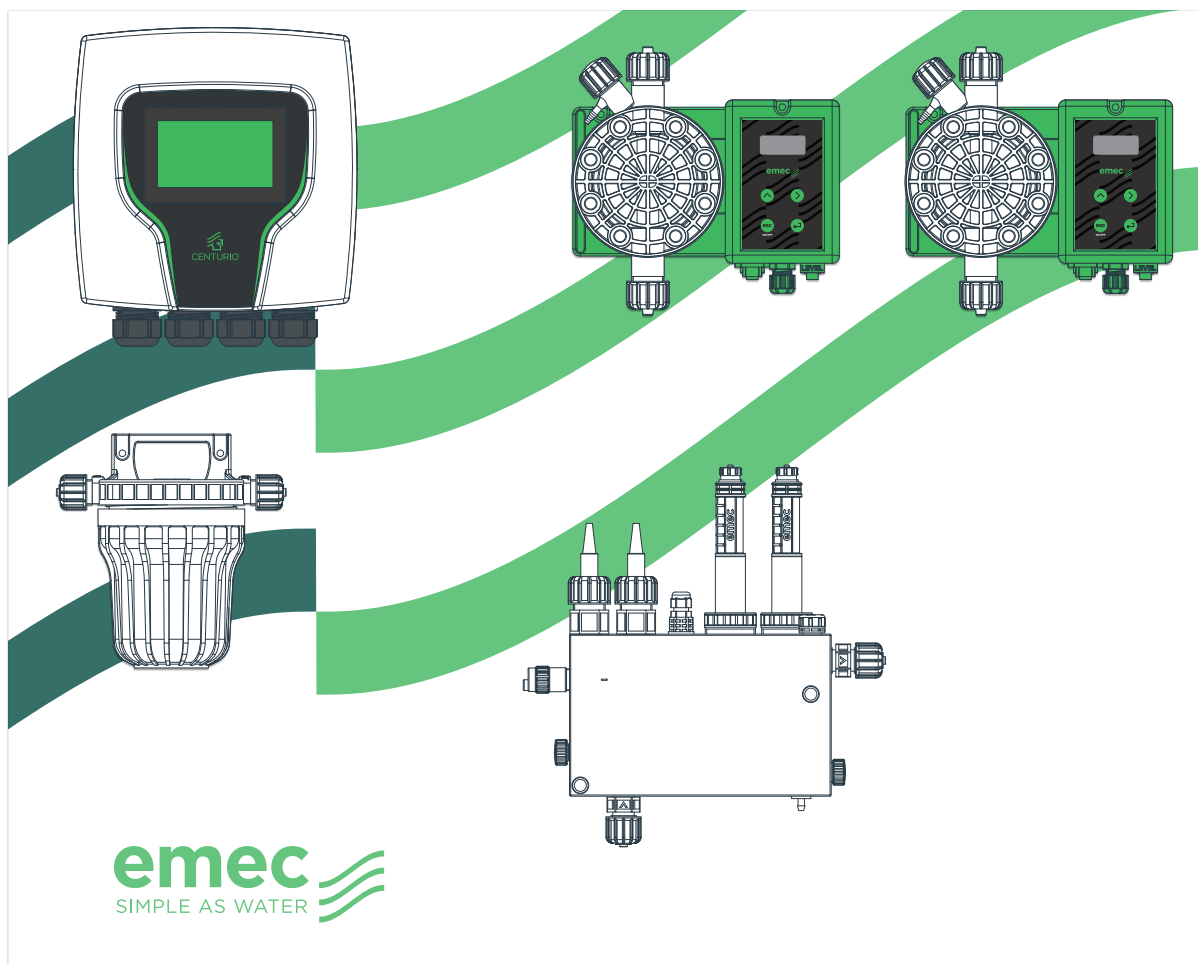
- Controller CENTURIO POOL
- Dosing pump for acid VMS MF 03 10 (10 l/h)
- Dosing pump for chlorine VMS MF 02 15 (15 l/h)
- Filter NFIL
- Probe di pH EPHS
- ORP probe ERHS
- Temperature probe ETEPTCH18
- Free chlorine probe SCL3S/20
- Total chlorine probe SCL8/20
- Proximity sensor SEPR
- Probes holder PEF22R

Optional: also available with Centurio Pool controller

Size: 800x800 mm
Customized coloured background on demand.

Advanced all-in-one systems

PA-CEDT



PH, ORP, FREE CHLORINE, TOTAL CHLORINE, COMBINED CHLORINE AND TEMPERATURE

- Controller CENTURIO POOL
- Dosing pump for acid TMS MF 03 30 (30 l/h)
- Dosing pump for chlorine TMS MF 01 50 (50 l/h)
- Filter NFIL
- Probe di pH EPHS
- ORP probe ERHS
- Temperature probe ETEPTCH18
- Free chlorine probe SCL3S/20
- Total chlorine probe SCL8/20
- Proximity sensor SEPR
- Probes holder PEF22R

Optional: also available with Centurio Pool controller

Size: 1000x800 mm
Customized coloured background on demand.

ACCESSORIES

68/69



EPHS

pH electrode for pressures up to 7 bar/70°C (3.5 bar/80°C). 0.8 m cable. Epoxy body. Minimum 100 μ S.



ERHS

ORP electrode for pressures up to 7 bar/70°C (3.5 bar/80°C). 0.8 m cable. Epoxy body. Minimum 100 μ S.



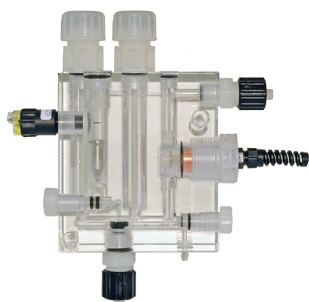
BUFFER SOLUTIONS

Buffer solutions for probes calibration.



SCL8

Total chlorine amperometric cell (organic and inorganic), from 0 to 2 mg/l; from 0 to 20 mg/l, pH and temperature compensated.



ECL6 / ECL12

Free chlorine / bromine amperometric cell (organic and inorganic), from 0 to 10 mg/l. Flow switch and flow adjustment. Electrodes holder for pH, Redox and temperature. With proximity switch mod. SEPR. 6x8 fittings. With LED light sold as option.



SCL3S/20

Free chlorine amperometric cell (organic and inorganic), from 0 to 10 mg/l, pH and temperature compensated.



ETEPT

Temperature probe PT100 (0°C÷100 °C, max 10bar). Suitable for LDxx, LDPHxx series instruments.



PEF22R

Holder for Chlorine, pH, Redox, free Chlorine, total Chlorine and temperature probes. Provided type SEPR flow controller. With LED light sold as option.

Accessories



PEF1R
Off-line probes holder for ECL1/2/3/8/9/10/11 and pH, Redox and temperature, with flow switch and regulation. With proximity switch mod. SEPR. 6X8 fittings. With LED light sold as option.



NFIL CA
Activated 5" filter with carbon filter cartridge. 6x8 fittings. With LED light sold as option.



NFIL
Filter with cartridge. Washable. PET (60 µ). 6x8 fittings. With LED light sold as option.



NPED4
Off-line electrode holder for EPH and ERH electrodes. Epoxy Ø12 casing. Max temperature 50° C, max pressure 5bar with flow sensor, N.O. switch, 6x8 fittings. With LED light sold as option.



EVLA
Electrovalve for dry feeder (chlorine / bromine). 1/2" fitting.



PELC
PVDF in-line electrode holder for pH / Redox electrodes with 1/2" or 3/4" thread. For saddle connection.



PEL
PVDF in-line electrode holder for pH / Redox electrodes with 1/2" or 3/4" thread. For "T" connection.



SBR1/20
Amperometric cell for bromine (reading range from 0 to 20 mg/l), pH and temperature compensated.

**MIXVN/8**

High speed mixer 1400 RPM. AISI shaft-PVC coated, different lengths available (630-730-830-930 mm). Marine impeller, diameter 70mm.

**MIXN/8**

Slow speed mixer 70/200 RPM. AISI shaft-PVC coated, different lengths available (630-730-830-930 mm). 3-blade impeller, diameter 150mm.

**MIXN/MAN**

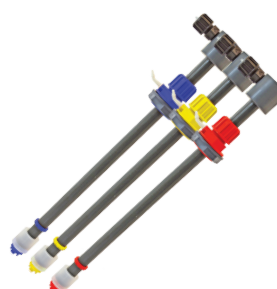
Manual mixer. PVC shaft, different lengths available (500-600 and 700-800 mm). Impeller diameter 130 mm.

**MIX "PISTON"**

Manual mixer. PVC shaft, different lengths available (500-600 and 700-800 mm). Impeller diameter 130 mm.

**LASP**

Suction lances with level control, for tanks up to 25 liters.

**LASP**

Suction lances with level control, for tanks up to 1000 liters.

**LINIR**

1/2" injection lance for dosing sodium hypochlorite in hard water. Self cleaning. FKM B o-ring. PVC body.

**PVDF INJECTION VALVE**

PVDF made injection valve with 1/2" or 3/4" fittings.

Accessories



MF MULTIFUNCTION VALVE

Multifunction valve (pressure, safety, antisiphon and bleed) 1/2" connections for different hoses diameters. FKM B or EPDM o-ring. PVDF body.



LEVEL PROBE with FOOT FILTER

Level probe with REED TYPED CONTACT. High temperature resistant, not influenced by viscosity, opacity, conductivity or dielectric constant (0 e 60°C).



CHEMICAL TANKS & SAFETY BUNDS

Chemical tanks made of polyethylene, UV resistant with safety bunds. For dosing pumps and mixers.



CALCIUM HYPOCHLORITE DOSING STATIONS

Our chemical tanks can be assembled with:

- 1 Dosing pump (or 2 without mixer) - 1 mixer
- 1 water loading faucet
- 1 outgassing valve
- 1 or 2 suction lances
- 1 water purging faucet
- 2 level probes with filter (without mixer)

Assembling made with two dosing pumps must use a double-suction lance and KDPV kit for connecting both the pumps.



ADVANCED REMOTE MONITORING AND CONTROL SYSTEM NIMBUS

Online platform for remote control

NIMBUS is an online platform that enables remote monitoring and control of all parameters of compatible EMEC products, allowing interactive management of probes, instrument inputs, product levels, temperature and setpoints.

HOW DOES NIMBUS WORK?

All EMEC instruments equipped with an encoder or touchscreen and an Ethernet or 3G/4G connection are immediately connected and ready for use.

In addition to remote interaction, NIMBUS allows you to receive email notifications regarding alarms and the status of your instruments, based on various configuration options.

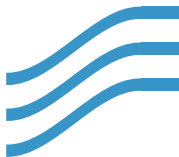


ADVANTAGES

- Reduced on-site inspections and maintenance interventions
- Real-time status of network devices (probes, outputs, alarms and setpoints)
- Customisable reports including data from all plant instruments
- Charts, tables and activity logs downloadable to a PC (CSV format)
- Activity scheduling with automatic reminder notifications

COMPATIBLE SYSTEMS

- PRISMA
- CENTURIO PRO /POOL /TOWER
- MTOWER
- WD
- LD / LDS
- WN
- WT
- VELON
- LD OSIN PLUS
- LOTUS



KEY FEATURES

Nimbus has been developed to deliver a complete, intuitive and secure user experience: from interactive plant status visualisation to geolocation, from remote configuration to maintenance planning.

Thanks to advanced reporting tools, role-based access management, and the highest standards of security and data protection, Nimbus supports companies and teams in efficiently monitoring their infrastructure, streamlining daily operations and enhancing overall operational control.



INTUITIVE AND
CUSTOMIZABLE
DASHBOARD



INTERACTIVE MAP
WITH REAL-TIME
MONITORING OF
SYSTEMS AND
DEVICES



BUILT-IN
GEOLOCATION
FOR ALL YOUR
INSTALLATIONS
AND DEVICES



GUIDED DEVICE
REGISTRATION



REMOTE SETUP AND
CONTROL, ANYTIME,
ANYWHERE



SMART TEAM
MANAGEMENT WITH
PROFILED ACCESS
LEVELS



INTEGRATED
CALENDAR TO PLAN
TASKS AND
MAINTENANCE



DETAILS,
CUSTOMIZABLE
REPORTS AT YOUR
FINGERTIPS



MULTILINGUAL
PLATFORM



SECURE CONNECTION
WITH STATE-OF-THE-
ART ENCRYPTION



DATA MANAGEMENT
IN COMPLIANCE WITH
THE HIGHEST
SECURITY AND
PRIVACY STANDARDS



Fast, simple and intuitive
YOUR SMART ASSISTANT



A MULTILINGUAL WEB PLATFORM

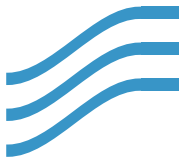
The user interface is available in 34 languages

MULTIPLE ACCESS LEVELS

Multiple users can be added to the system, with different access levels configurable for each plant.

STATUS NOTIFICATIONS PUSH

Set up push notifications on the status of your installations.



EVERYTHING UNDER CONTROL

Real-time display of all your plant parameters and monitoring of the status of all probes

REAL-TIME MANAGEMENT

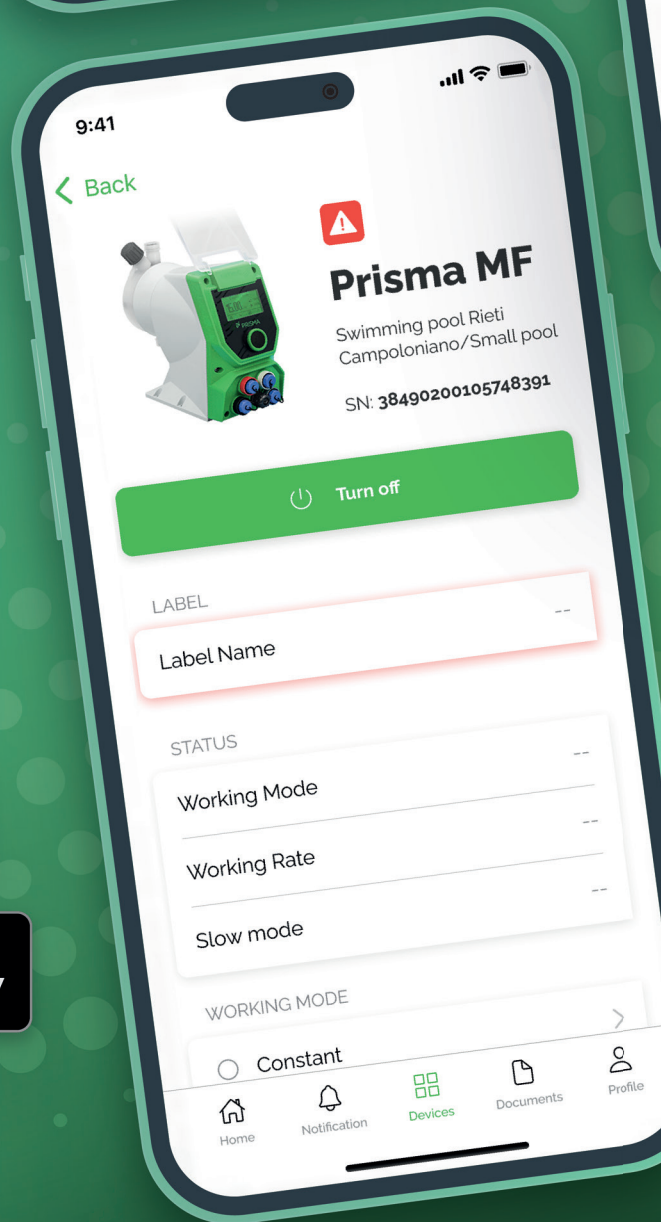
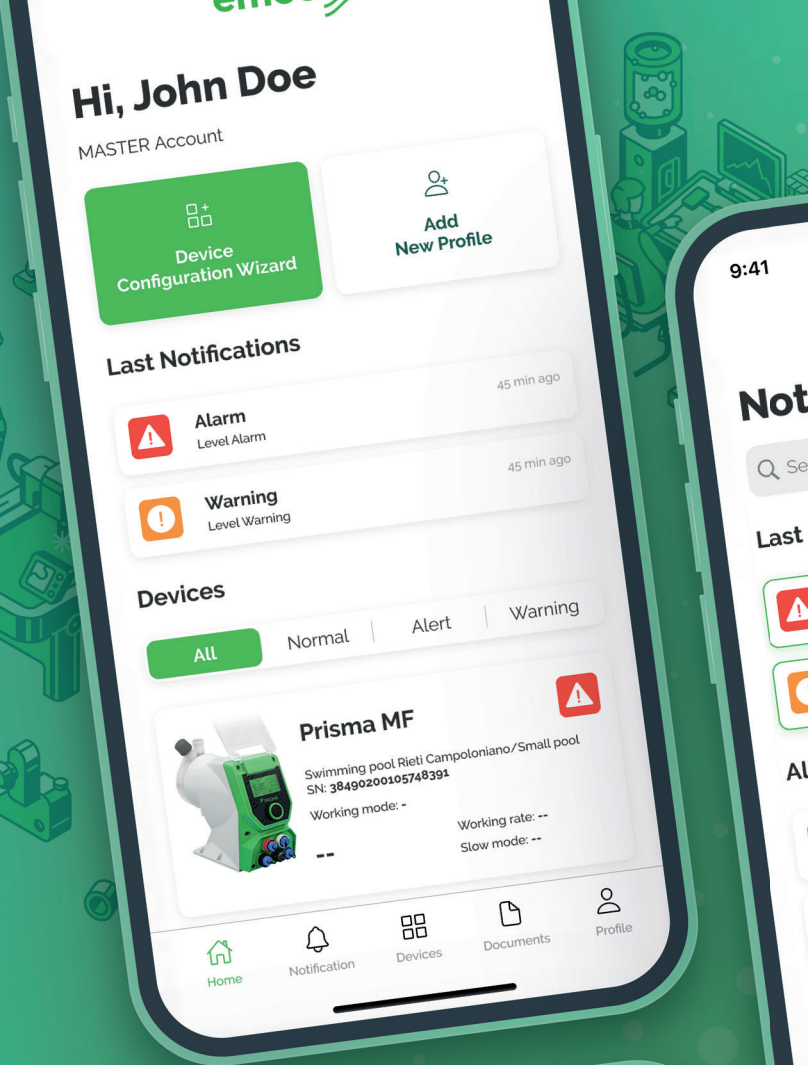
Real-time management and configuration of all your plant parameters

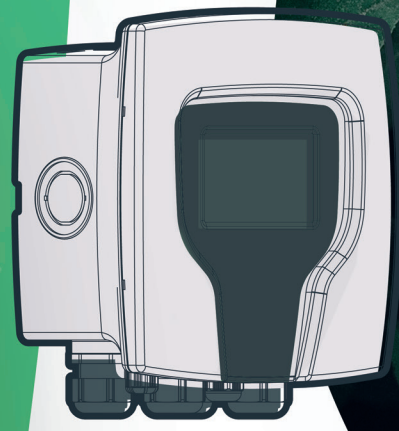
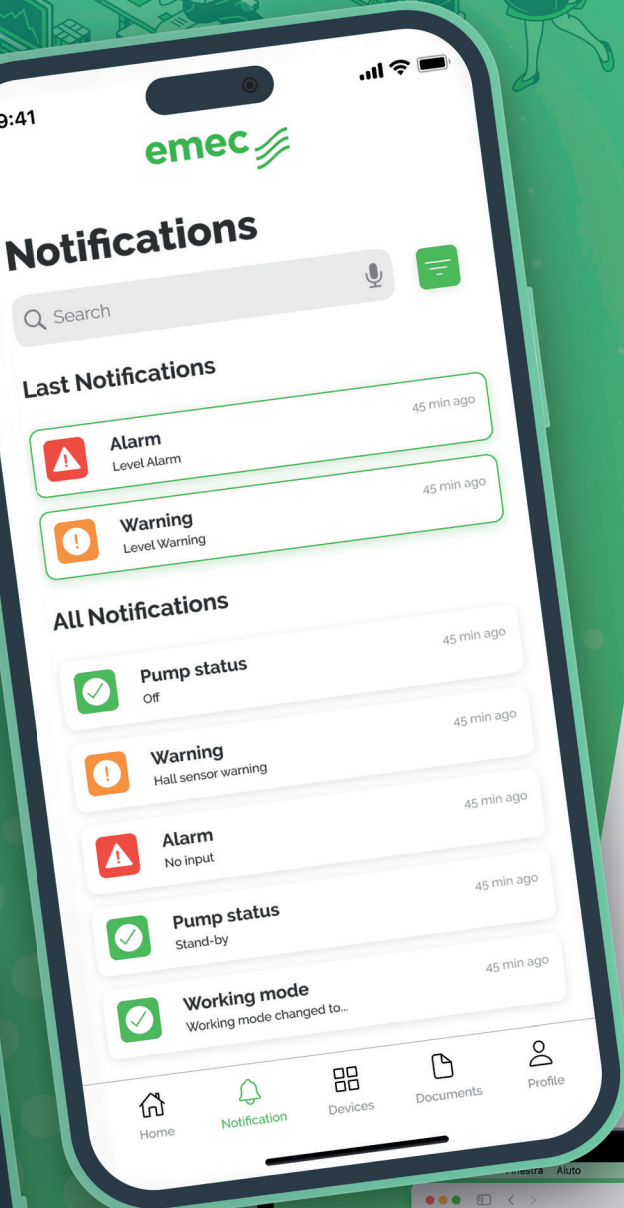
REAL-TIME CHARTS

Charts of all your plant parameters, based on both real-time data and stored data

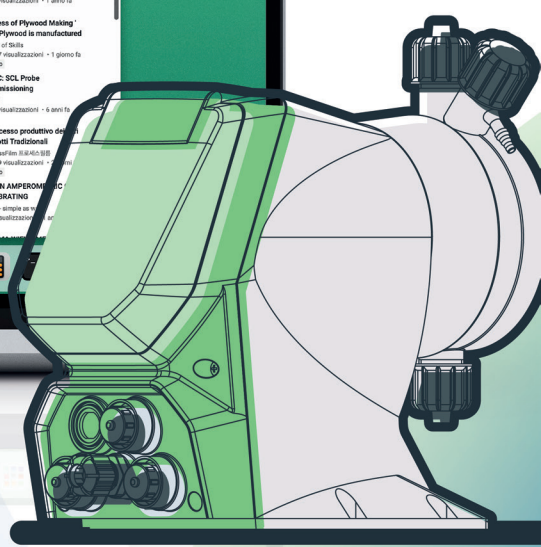
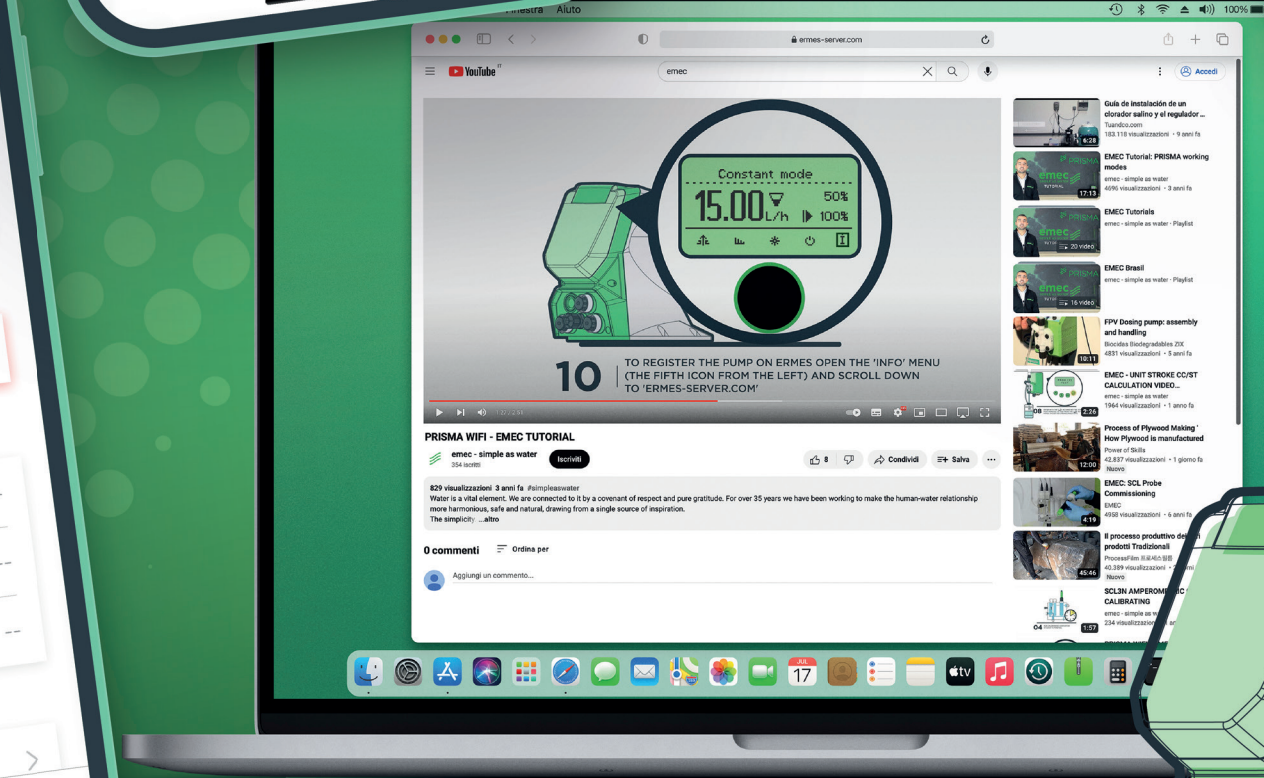
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