

"WNPHRH / WNPHCL PER Stepper"



CE
R050425

WN-STEPPER is a programmable controller equipped with two peristaltic dosing pumps with step-by-step movement for dosing acid (pH) and disinfectant (ORP) or chlorine (Cl) with temperature reading.

Suitable for installation in swimming pools, this instrument allows monitoring of essential water parameters.

On/Off, Proportional and Auto Dosing working modes based on setpoints value.



- Backlit LCD screen with large display capacity*
- "Encoder" knob for instrument control
- 2 dosing pumps with peristaltic stepper motors PC / TPV
- Input for external signal flow control
- pH scale: 0-14 pH
- Redox scale (WNPHRH only model): 0-999 mV
- Chlorine scale (WNPHCL only model): 0-10 mg/l Cl₂
- Chlorine probe (WNPHCL only model): ECL6; ECL12
- Temperature Reading: 0-100°C
- AUTO DOSING working mode
- Pool Volume Setup
- Timed Outputs
- Alarms: maximum dosage, damaged probe, level, mains voltage, no flow
- Changeable Digital inputs logic mode (N.O. or N.C.)
- Delayed start of dosing (max 60 minutes)
- Setting of the priority of pH dosing compared to Redox
- Probe check-up
- pH compensation
- Permanent data storage with system log viewable on display
- Bluetooth LE / WiFi 2.4Ghz connection for APP "MY EMEC" and ERMES
- Upgradable firmware (via ERMES)
- SMS Alert messages (option on request)
- Ethernet connection for sending alert emails (option on request)
- Data log on USB device (option on request)
- Power supply: 100-240 VAC; 50/60 Hz

Inputs:

- Stand-by
- Flow
- pH level
- ORP level or Chlorine level
- pH probe
- ORP probe or Chlorine probe
- Temperature Probe
- Power supply

Outputs:

- pH pump output
- ORP or Chlorine pump output
- Alarm contact output

Display Color Status:



*Display background changes color based on the operating status:

GREEN: Normal operation
YELLOW: Attention
RED: Alarm
WHITE: Standby

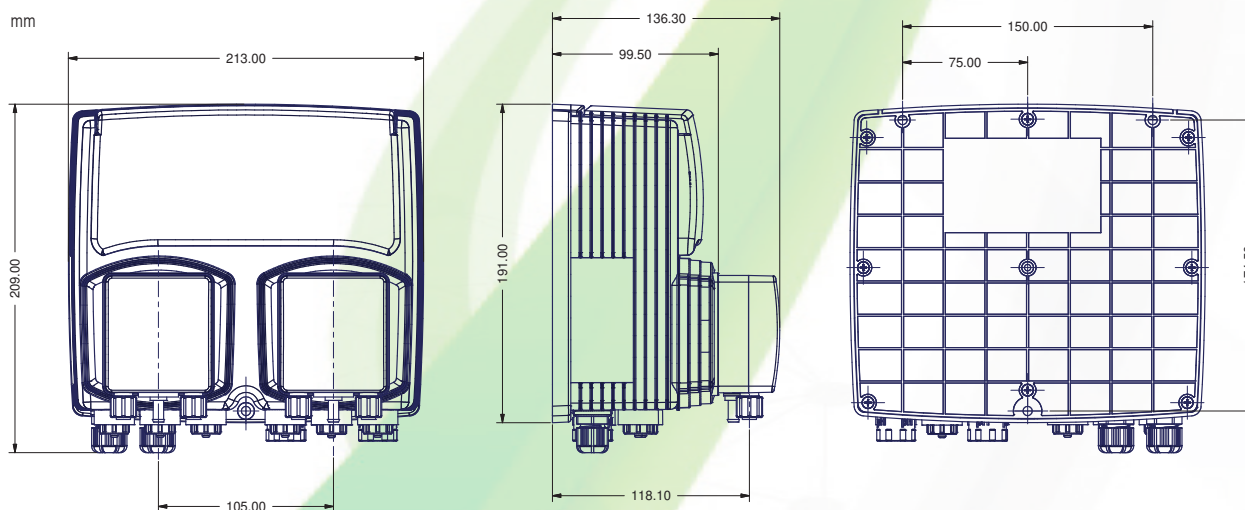
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Technical Data Sheet

PERISTALTIC PERFORMANCE / Hose Ø4,8x1,6		
Pressure	Flow Range	RPM Range
bar (psi)	l/h (gal/h)	rpm
2 (29)	0,12-12 l/h 0,0317-3,17 gal/h	1 - 100

PERISTALTIC PERFORMANCE / Hose Ø1,6x1,6		
Pressure	Flow Range	RPM Range
bar (psi)	l/h (gal/h)	rpm
2 (29)	0,018-1,8 l/h 0,0047-0,47 gal/h	1 - 100

BUILDING MATERIALS	
PART	MATERIAL
Pump Head	PC / ABS
Cover	PC
Dust Cover Bushing	PEEK / PPS
Hose Stopper / Hose Holder / Hose Holder Vent	PVDF
Peristaltic Roller	POM DELRIN
Peristaltic Hose (Long-Life)	TPV



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Specifications subject to change without notice | R2025

emec
SIMPLE AS WATER



Q qualityaustria
SYSTEM CERTIFIED
ISO 9001:2015 No. 07728/0
ISO 14001:2015 No. 00997/0
ISO 45001:2018 No. 01121/0