

WN



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WN
WNPHXX

emec®
SIMPLE AS WATER

WNPHXX

Precise, reliable, silent.



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 NIMBUS platform and the My Emec app.

The WN series includes the following:

WNPHxx, a compact all-in-one solution for maximum precision which also comprises a control instrument and two peristaltic stepper dosing pumps in one product;

WNPHxx-S, a compact all-in-one solution for maximum precision which also comprises a control instrument, a peristaltic stepper dosing EMEC 2025 and a salt electrolysis output (max. 8A).



NEW

- High-precision stepper motor. The quantity of dosed product can be changed instantly to suit different requirements
- Long-life biocompatible hose
- Built-in Wi-Fi connection. LAN and USB optional
- Remote control: supports remote management using the NIMBUS platform and the MyEmec app
- Wide Range: the new **WNPHxx** can work with power supplies ranging from 100 to 240 VAC 50/60Hz

COMMUNICATIONS

- NIMBUS / My Emec App online remote control
- Built-in WIFI

REMOTE CONTROL
Using smartphone, tablet o computer

UPLOAD SETTINGS
Remote upload of configuration via App/NIMBUS

- INPUTS**
- Stand-by
 - Flow
 - pH level
 - Redox or Chlorine level
 - pH probe
 - Redox or Chlorine probe
 - Temperature probe
 - Power supply
 - RS-485
 - Water meter

- OUTPUTS**
- Pump pH output
 - Pump Redox or Chlorine output
 - Alarm output
 - 2 powered outputs (max. 8A)

CHANNELS

UP TO TWO CHANNELS (+ TEMPERATURE)

- pH** **REDOX** **CLOSED AMPEROMETRIC CELLS**
- OPEN AMPEROMETRIC CELLS (CHLORINE)** **CONDUCTIVITY** **TURBIDITY**

CLOSED AMPEROMETRIC CELLS

FREE CHLORINE
TOTAL CHLORINE
BROMINE

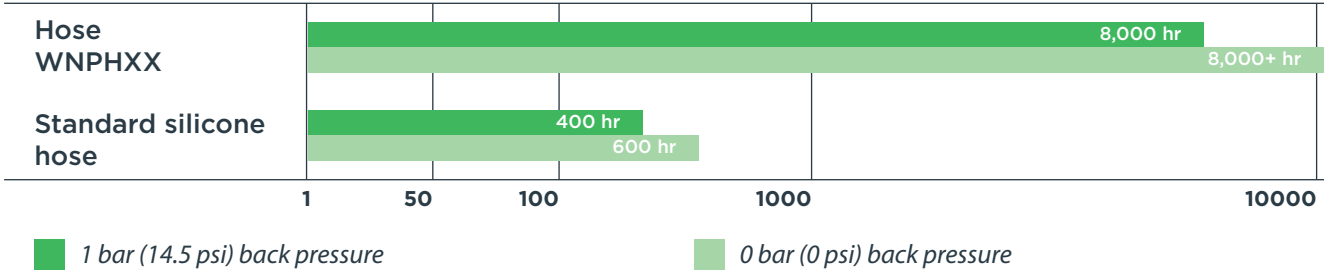


PERFORMANCE

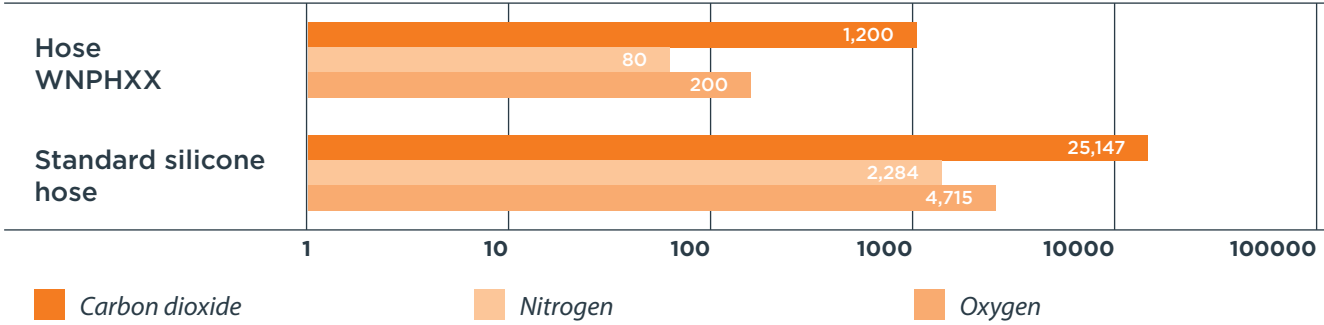
LONG-LIFE BIOCOMPATIBLE HOSE

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

Hose life comparison



Permeability coefficient comparison (x10⁻¹¹)



RGB DISPLAY

pH **mg/l Cl₂**

7.60 **1.000**

Feed 60% Feed 100%

DOSING Green

pH **mg/l Cl₂**

7.60 **1.000**

Stand-by

STAND-BY White

pH **mg/l Cl₂**

7.60 **1.000**

Manual 60 sec

WARNING Yellow

pH **mg/l Cl₂**

7.60 **1.000**

Feed 60% Feed OFF

ALARM Red