VELON

5 YEARS WARRANTY

MADE IN ITALY

VELON

Cod. 20211000

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emec®
SIMPLE AS WATER

VELON

WIFI | NIMBUS DIGITAL SERVICES | APP **MY EMEC** | ONLINE STATS | CUSTOMIZABLE

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.

Thanks to stepper technology, it is possible to vary the rotation speed and therefore modulate dosing in real time within a range from 1% to 100%, making it ideal for environments where a wide dosage range from 18 cc/h to 12 l/h at 2 bar is required.

It is capable of controlling and automatically dosing chemicals according to the parameters detected, dynamically adapting to the needs of the system. Through a wide range of dosing modes, it is able to adapt to the most varied operational requirements of the system. Maintenance activity meters make it possible for you to schedule pipe replacement in advance based on wear, while the easy pipe change system makes the operation quick and completely safe.

The wide range of variants (MF, PO, CL, PM) offers the utmost versatility and ease of use in a variety of contexts, while multi-channel connectivity makes VELON a solution that can be adopted in any working environment. Where remote intervention is required, VELON can be accessed and managed in all its functions via the NIMBUS portal or through the MyEmec app.

IQNET CERTIFIED MANAGEMENT SYSTEM

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

VELON MF

Multifunctional, with an advanced interface, a complete solution for the controlled dosing of chemicals, with a particular focus on integration with monitoring systems.

Ideal for:
- Installations requiring complete and customisable dosing management.
- Contexts where reliability, simplicity and modernity must coexist.

VELON PO

Proportional control with pH and Redox potential measuring, recommended for those seeking active and intelligent dosing management, directly connected to the values measured in the system.

Ideal for:
- Swimming pool systems.
- Complex systems requiring remote control and high reliability.
- Intelligent management based on process parameters.

VELON CL

Simple and reliable for standard applications, recommended for those looking for a compact, easy-to-use system.

Ideal for:
- Daily and routine applications without the need for digital integrations.
- Quick and intuitive installations, even for non-specialised operators.
- Contexts where ease of use is important.

VELON PM

Maximum integration with automated systems, suitable for industrial plants, automation systems and applications where digital communication (MODBUS) is essential.

Ideal for:
- Industrial systems and complex plants with advanced automation requirements.
- Complex systems requiring remote control and high reliability.
- Intelligent management based on process parameters.

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
Interface/Control	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, ON/OFF button
Working mode	Constant, CC/Pulse, PPM, %, MLQ, Batch, Volt, mA, Pulse, Weekly Program, Ext Constant	Proportional, Autodosing	Constant	External Control
Maintenance	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters	Scheduled maintenance via activity meters
Inputs	MODBUS RTU, Multi-function, Level	MODBUS RTU, Standby, Level, Serial probe	Level	MODBUS RTU, Level
Outputs	Alarm (optional)	Alarm (optional)	Alarm (optional)	Alarm (optional)
Connectivity	Wi-Fi & Bluetooth	Wi-Fi & Bluetooth	-	-
Firmware Update	OTA	OTA	-	-

FEATURES COMMON TO THE ENTIRE SERIES

Microprocessor	Pressure (bar - psi)	RPM range (rpm)	Protection	Power supply	Flow Rate Range (l/h – gal/h) (Ø1.6x1.6)	Flow Rate Range (l/h – gal/h) (Ø4.8x1.6)	Operating Temperature	Additive Temperature	Installation Class	Manufacturing Materials	Remote control
High-performance state-of-the-art	2 (29)	1 - 100	IP65	100–240VAC, 12VDC, 24VDC	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	II	PC/ABS, PVDF, POM, TPV	Web (ERMES) and App (MyEmec)