



ELECTRICAL MEDICATION

MD
DOSING PUMPS

MD Pro

Dosing pump

Water is an essential nutrient for any animal and is also the ideal medium for delivering treatments to prevent or cure illnesses and health problems.

The **MD PRO** dosing pump ensures perfect homogenization, high precision and a very high working range for applying different liquid or soluble products through pre-dilution or directly from the container.

The materials in contact with liquid are made with high-quality components and allow for direct contact with corrosive products (*check chemical compatibility*).



Body of the pump

The MD PRO dosing pump can dispense up to 73 l/h at 7 bars of pressure and is made from PVDF, a material that is compatible with most of the products to be dispensed. This prevents excessive wear and tear and maximizes the useful life of the device. (*Check chemical compatibility*).

Flow rate

from
0 l/h



to
73 l/h

Pressure

from
0 bar



to
7 bar

Connection kit

The equipment comes with high-flow valves for both suction and pumping.

It also includes one suction assembly for medications or accessories and another for concentrated products.



Motor

At the heart of this equipment is a heavy-duty motor made from a selection of materials that provide a perfect balance between robustness, reliability, durability and efficiency.

Controller

Very simple and user-friendly system with a keypad for adjusting the dose from 0.1 to 10%. It has a large display with a very intuitive layout thanks to the status color coding.

It provides instantaneous flow rate information and totalizers for both water and product volume, as well as running time information.

Installation

The MD Pro dosing pump comes with the bracket, hardware, and accessories needed for easy, convenient and fast installation.

The **dosing kit** and **Mixer** are the essential accessories for ensuring reliable and quality dosing. For further information, please contact our sales department.



Volumetric dosing pump

It provides volumetric and proportional dosing according to the water flow, and is designed for both soluble solutions and concentrated liquids.

Dosing

from 0,1 % to 10 %

Water flow rate

from 10 l/h to +20 m³/h



MD Pro

DOSING PUMP

73 l/h

The **MD PRO** dosing pump represents an advanced solution for the application of liquid or soluble products, ensuring impeccable homogenization and high precision

Crafted from premium materials, it enables the safe use of aggressive products. Its intuitive design and straightforward installation render it ideal for diverse applications, providing reliability and durability in daily operation.

CHARACTERISTICS

Supply voltage: 230 Vac \pm 10% 50 Hz.

Power: 0.12 kW.

Intensity: 1 A.

Protection: IP65.

Water flow rate up to +20 m³/h.

Suction height: 1.5 m.

Fluid temperature: from 1 to 45 °C

Installation kit: double suction set for medication and concentrates, pump hose (2 m), injection valve, wall bracket with corrosion protection and hardware.

Model	Code	Dosing range	Flow rate (l/h)	Max. p.	Materials
MD Pro 73	10003273	0,1-10 %	73 l/h	7 bar	PV/T/C

Includes: Installation kit.





Low flow kit

10 – 4,000 l/h



This model includes a high-performance flow meter with starter mechanism below **6 l/h**. Alongside the high-precision pump, this makes it the perfect system for low flow rates, not forgetting that its maximum capacity is **4,000 l/h**.

Low flow dosing kit

Model	Code	Pipe connection	Flow rate (l/h)		
			Qa	Q min.	Q max.
KIT 20/Altair L	17132121	1/2"	4	8	2.500
KIT 25/Altair L	17132126	3/4"	6	10	4.000
KIT 32/Altair L	17132132	1"	9	18	6.300

Includes: meter, pulse emitter, fittings, and injection valve collar.

Other kits are available. Check with the sales department.



Standard kit

50–6.300 l/h



Standard system specially designed for the pig sector. It is a very versatile system due to its size and capacity to start the flow meter from **20 l/h**, as well as the high adjustability of the dosing pump.

Standard dosing kit

Model	Code	Pipe connection	Flow rate (l/h)		
			Qa	Q min.	Q max.
KIT 25/Aries L	17132026	3/4"	14	50	4.000
KIT 32/Auriga L	17132033	1"	20	50	6.300
KIT 40/Auriga L	17132041	1¼"	25	90	10.000

Includes: meter, pulse emitter, fittings, and injection valve collar.

Other kits are available. Check with the sales department.

MD Advanced

DOSING PUMP

120 l/h



The **MD Advanced** is a linear volumetric and proportional dosing pump with high flow rate stepper motor. Its ample capacity, coupled with a broad-range meter, facilitates linear volumetric dosing, ensuring continuous mixing with a **turn-down ratio of 1:2000**.

It features a user-friendly interface and is equipped with a keypad for direct dosing adjustment in percentages, enhancing operational convenience and ensuring unparalleled accuracy.

CHARACTERISTICS

Supply voltage:
100-240 V \pm 10%, 50/60 Hz.
Power: 65 W.
Minimum dosing: 60 ml/h.
Maximum dosing up to 120 l/h.
Accuracy: \pm 5%, \pm 2% under calibration.
Maximum suction height: up to 9 m with water.
Maximum pressure: 4 bar.
Fluid temperature: from 5 to 45 °C.
Spigot connection: 13x19 mm hose.

Model	Code	Dosing range	Flow rate (l/h)		Max. p.	Materials
			min.	max.		
MD Advanced 120	10004012	0,01–20 %	0,06	120	4 bar	PV/MR

Includes: Installation kit.



LINEAR volumetric proportional dosing system,
which guarantees the best homogenization at all times.



High-flow dosing pump

With a capacity of 60 ml/h up to 120 l/h.



High working capacity

The motor can work with a pressure of 4 bar.



Stepper technology

High-performance motor that provides a turn-down ratio of 1:2000.



Wide dosing range

Volumetric dosing adjustment from 0.01 to 20%.



Linear homogenization

Continuous dosing of the mixture.



In-situ maintenance

The hose can be easily replaced by the user.



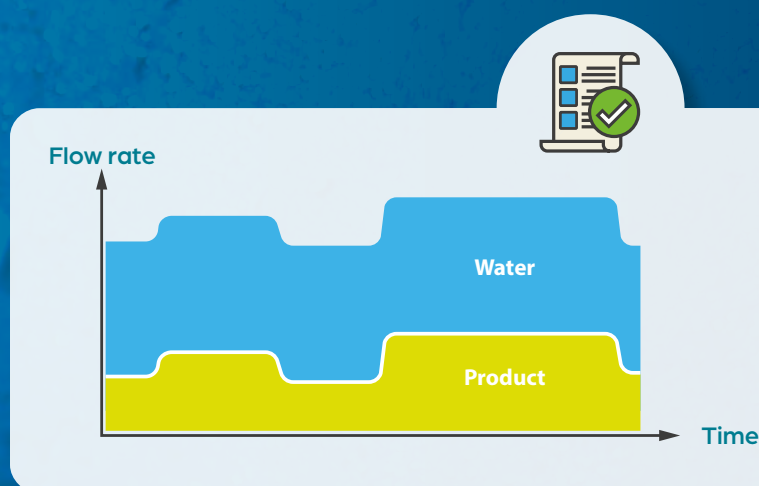
Suitable for dry working

There is no need to interrupt the process until the treatment is completed.



Valveless head

Permits the passage of small solids.



In contrast to other medication methods, the new **MD Advanced** ensures consistent **linear dosing** at all times, as shown in the image.

The stepper motor enables a dosing ratio of **1:2000**, facilitating dosing even at water flow rates below 3 l/h when paired with an **R800** meter.



MD Acid

DOSING PUMP

4 & 9 l/h



MD Acid is an effective, straightforward, and robust volumetric dosing system, specially designed for the precise dosing of **organic acids** and liquid supplements into animals' drinking water.

This system seamlessly integrates treatment into the water supply, ensuring a consistent, uniform, and proportional distribution. It operates efficiently even at low water flow rates and can dispense directly from the container without requiring pre-dilution.

CHARACTERISTICS

Supply voltage: 100-240 V \pm 10%, 50/60 Hz.

Power: 11 W.

Medium intensity: 0.3 A.

Peak intensity: 1.5 A.

Protection: IP65.

Dosing precision: \pm 2%.

Suction height: 1.5 m.

Fluid temperature: from 1 to 45 °C

Installation kit: suction set, pump hose (2 m), injection valve, wall bracket and hardware.

Model	Code	Dosing range	Flow rate (l/h)	Max. p.	Materials
MD Acid 4	10002004	0,01–1%	4	7 bar	PV/T/C
MD Acid 9	10002009	0,01–1%	9	3 bar	PV/T/C

Includes: Installation kit.



Add-ons

for dosing

MIXER

With the addition of a **Mixer** to your installation, you will ensure uniform concentration throughout the entire dosing time.

How does it do it? With low-speed mixing with the defoaming propeller. It also includes a programmable timer so you can adjust the running time according to your needs, and the new continuous cleaning system means the suction assembly can be cleaned without needing to shut down the device.

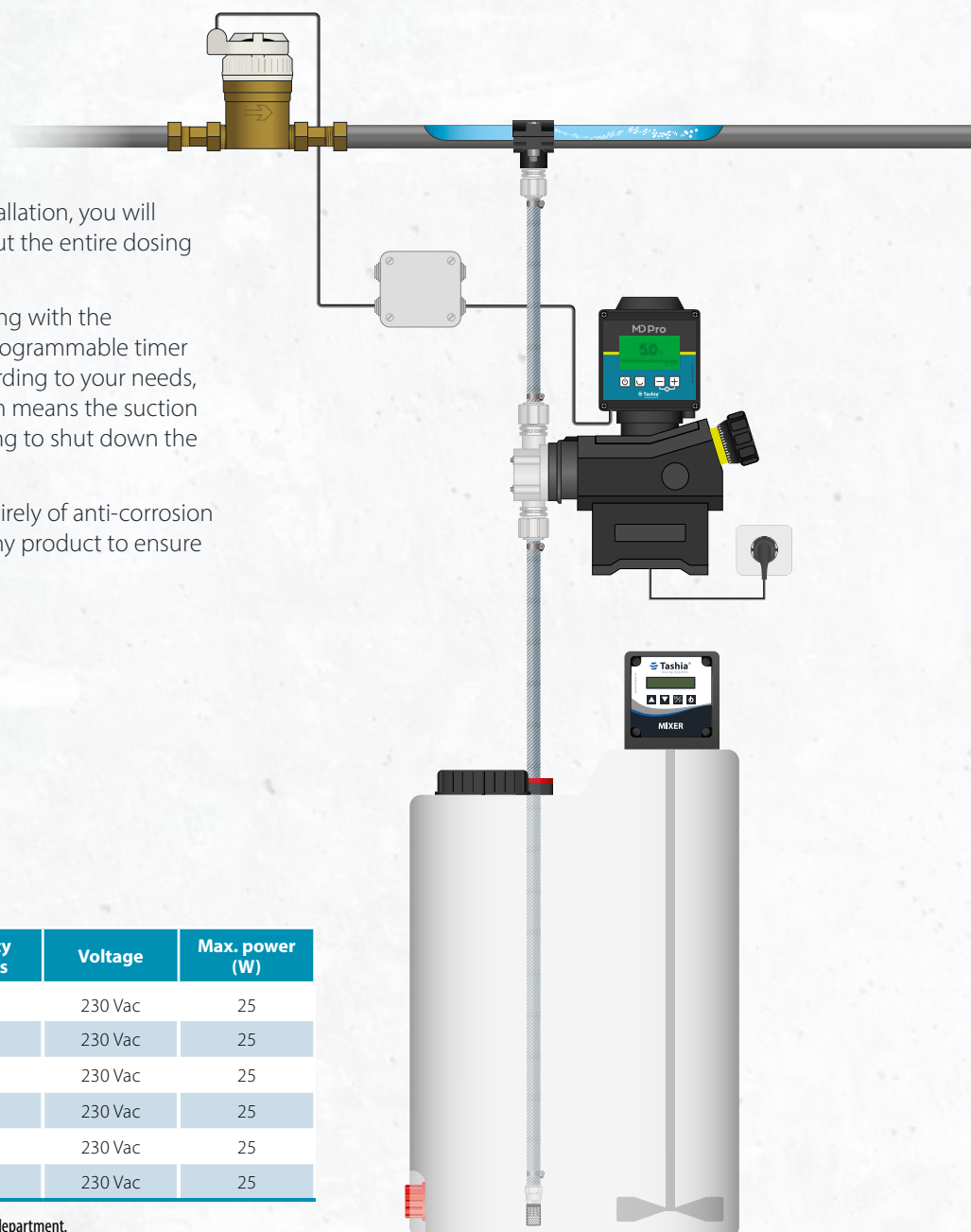
And that's not all. The device is made entirely of anti-corrosion materials, which are highly resistant to any product to ensure a long useful life.

CHARACTERISTICS

Polyethylene tank with PVC suction pipe.
316-grade stainless steel defoaming propeller.
Low-speed mixing with a gear motor.
Continuous cleaning system.
Bottom cap for quick emptying.
Adjustable mixing timing.
Protection: IP 65.

Model	Code	Capacity in liters	Voltage	Max. power (W)
MIXER 75	17052075	75	230 Vac	25
MIXER 125	17052125	125	230 Vac	25
MIXER 260	17052260	260	230 Vac	25
MIXER 75 ECO	17052076	75	230 Vac	25
MIXER 125 ECO	17052126	125	230 Vac	25
MIXER 260 ECO	17052261	260	230 Vac	25

Other models are available (12 Vdc and 110 Vac). Check with the sales department.



MD Pro SK

DOSING PUMP

73 l/h



The **MD Pro SK** offers an all-in-one solution, complete with everything required for direct installation in the pipe. Its **Plug&Play** system ensures a swift and effortless start-up.

This model includes a high-performance flow meter with starter mechanism below **6 l/h**. Alongside the high-precision pump, this makes it the perfect system for low flow rates, not forgetting that its maximum capacity is **4,000 l/h**.

CHARACTERISTICS

Supply voltage: 230 Vac \pm 10% 50 Hz.

Power: 0.12 kW.

Intensity: 1 A.

Protection: IP65.

Water flow rate up to 4 m³/h.

Dosing to 2%, max. water flow rate 3,650 l/h.

Dosing to 5%, max. water flow rate 1,460 l/h.

Dosing to 10%, max. water flow rate 730 l/h.

Suction height: 1.5 m.

Fluid temperature: from 1 to 45 °C

Installation kit: double suction set for medication and concentrates, pump hose (2 m), injection valve, wall bracket with corrosion protection and hardware.

Model	Code	Dosing range	Flow rate (l/h)	Pipe connection	Max. p.	Materials
MD Pro SK 73	10003073	0,1–10 %	73 l/h	3/4"	7 bar	PV/T/C

Includes: Installation kit.



PLUG&PLAY

for a quick and easy
assembly



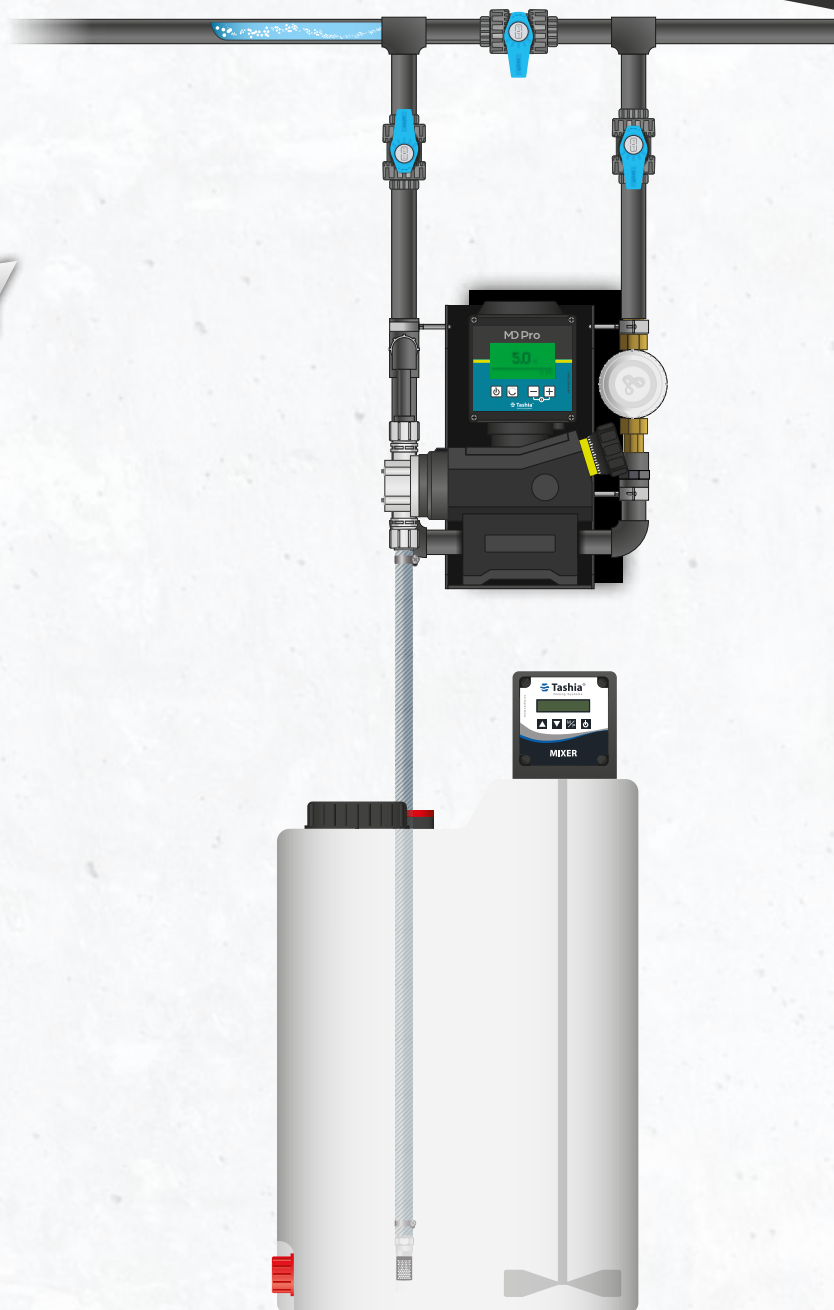
The skid MD Pro is a **plug-and-play-based** electrical medication system, which allows for quick installation.



Pump, meter, and injection components assembled in a bracket, ready for wall mounting. Simply connect the hydraulic components and start operation.



This efficiency is facilitated by our streamlined hole pattern, ensuring straightforward installation.





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