

Product Information Proportional dosing system MAGDOMAT

Always in the right proportion

Proportional dosing via a contact water meter represents a regulated form of dosing control. It is used as a chemical feed in the water supply pipes of simple industrial processes and private applications:

There is a straightforward additional dosing of liquid disinfection agents with drinking water utilities, e.g. private springs, or camping sites. A disinfection agent is added this way on ships when extracting drinking water from tanks.

Medicines are added to the drinking water proportionally at the equal dosage in livestock breeding.

A co-ordinated system

The MAGDOMAT product range connects pumps and accessories to a successful and fully automatic dosing system. Its compact construction facilitates a straightforward assembly with only a wall mount and permits a versatile application in different piping systems.

The consistency of the material offers a high chemical resistance and facilitates its versatile use with the most varied of dosing media. A broad selection of connections to the piping system and to the dosing medium's container rounds off the MAGDOMAT product range.



With the **DVGW certified** MAGDOMAT model it is possible to use the dosing unit in public drinking water supply piping systems without further ado.

Mode of operation

The MAGDOMAT is installed in the existing piping as a self-contained element. In addition to the injection point required for the supply of chemicals and the contact water meter required for proportional dosing, the dosing unit has a high quality solenoid membrane dosing pump. Another accessory is available as optional for transporting dosing liquids.

An external control can be offered for monitoring the parameters, but it is not imperatively required, as the water meter is firmly connected both mechanically and with the pulse receiver of the dosing pump.

In short

- Flow rate up to 20 m³/h
- Supply rate up to 4 l/h
- Completely monitored system
- Protection class IP 65
- DVGW-certified (depending on the model)



Technical data

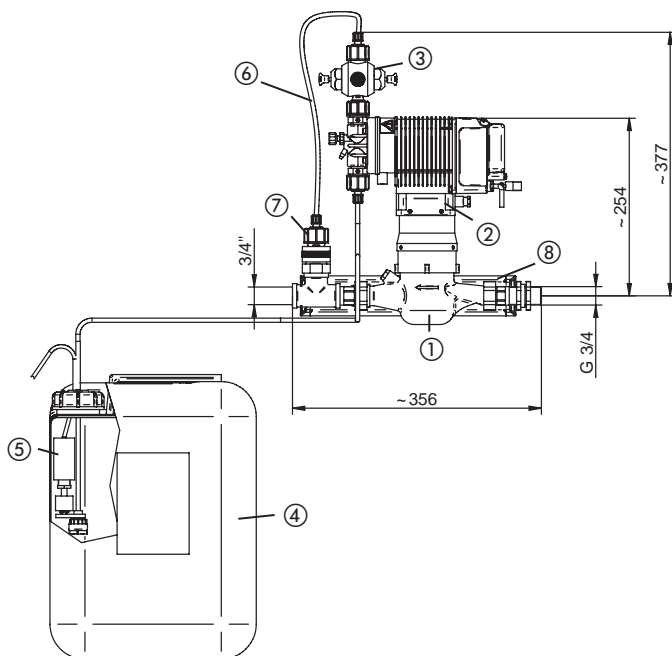
Max. flow rate	20 m ³ /h
Max. supply rate	4 l/h
Max. supply pressure	12 bar
Max. stroke frequency	100 min ⁻¹
Intake level	3 mWs
Pulse train	1 ... 5 l/pulse
Dosing media leading material	PVC
Seals	FPM
Capacity	230 V AC, 50/60 Hz, 30 W
Protection class	IP 65
Max. surrounding temperature	40 °C
Max. medium's temperature	30 °C
Dimensions [H x W x D]	377 x 356 x 115 mm
Weight	approx. 4.5 ... 8.0 kg
Connection on intake side	hose clamp-connection 4/6
Incoming water meter	G 3/4m ... G 1 1/2m
Outgoing water meter/T-fitting	G 3/4f ... G 1 1/2f

Product Information Proportional dosing system MAGDOMAT

Model variants

Product name	Dosing pump	Water meter	Suction line	Injection nozzle	DVGW certified	Order no.
MAGDOMAT DN 20	MAGDOS LT 4	M-NR 5	SL, DN 4	S, DN 4	no	50120009
MAGDOMAT DN 25	MAGDOS LT 4	M-NR 10	SL, DN 4	S, DN 4	no	50120010
MAGDOMAT DN 40	MAGDOS LT 4	M-NR 20	SL, DN 4	S, DN 4	no	50120012
MAGDOMAT FC 6	MAGDOS DX 07	M-NR 5	SL, DN 4	R, DN 6	yes	50210020
MAGDOMAT FC 7	MAGDOS DX 07	M-NR 5	SL, DN 4	R, DN 6	yes	50210021
MAGDOMAT FC 8	MAGDOS DX 07	M-NR 5	SL, DN 4	R, DN 6	yes	50210022

Dimensional figure



All measurements are given in mm

Scope of delivery

The following are part of the plant's basic equipment:

- ① Water meter
- ② Dosing pump
- ③ PENTABLOC multi-functional valve (depending on the model)
- ④ 20 l canister of sodium polyphosphate solution (depending on the model)
- ⑤ Suction line
- ⑥ 1 m hose
- ⑦ Injection nozzle
- ⑧ Wall mount

Accessories

The following accessories are available for the operation in addition to the plant's basic equipment:

Description	Order no.
PENTABLOC PVC G 5/8	12601001
20 litre canister sodium - polyphosphate solution FC 6	97531
20 litre canister sodium - polyphosphate solution FC 7	97532
20 litre canister sodium - polyphosphate solution FC 8	97533