

seko

Maxima

Base mounted solenoid driven dosing pumps



Your Choice,
Our Commitment

Maxima Flexibility

Maxima is a base mounted solenoid driven dosing pump that features new revolutionary electronic stroke length regulation.

The range offers both constant and manually adjustable, proportional flow rates, which can be based on either an external analogue or digital pulse. Ultimate flexibility is offered thanks to the range of flow rates ranging from 0.4 to 110 l/h at up to 20 bar and the outer casing design, whose fixing points remain the same regardless of model, making the pump idea for the assembly of preconstructed skids.

PVDF pump head and ceramic ball valve as standard

Built using premium materials Maxima comes as standard with a **pump head made of PVDF** offering superior chemical compatibility for industrial, waste water treatment and potable water applications. The use of **ceramic balls** as standard improves the **reliability of the pump and the chemical compatibility** of the wetted parts.

Long life diaphragm tested to give "Five Year" working life

Advanced design and manufacturing processes means SEKO's **diaphragms are made of pure PTFE**, ensuring compatibility with most chemicals. This also provides a superior life expectancy, which SEKO **guarantees for 5 years**, reducing operating costs.

Steady dosing performance

Maxima is supplied with a **Stabilized Multi Power Supply** 100 - 240 Vac 50/60 Hz offering reduced energy consumption.

Intuitive programming

A new concept of programming menu. Once a function is selected, the pump displays only the parameters that are associated with the specific function to reduced programming time. Programming menu are self explanatory and available in 5 languages.





500

Model

with flow rate from 0.4 to 1.5 l/h
and pressures up to 20 bar

600

Model

with flow rate from 2.5 to 4.2 l/h
and pressures up to 20 bar

603

Model

with flow rate from 4 to 8 l/h
and pressures up to 12 bar

800

Model

with flow rate from 7 to 18 l/h
and pressures up to 16 bar

803

Model

with flow rate from 20 to 110 l/h
and pressures up to 5 bar

Maxima

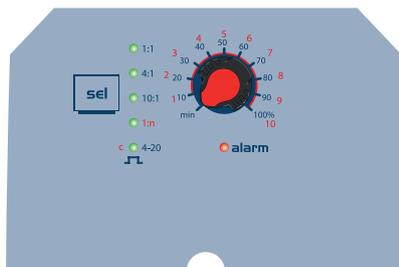
Analogue and digital version



Analogue dosing pump with constant dosage **Maxima MKL**

Analogue dosing pump with constant flow rate, with manual adjustment by control dial on the front panel

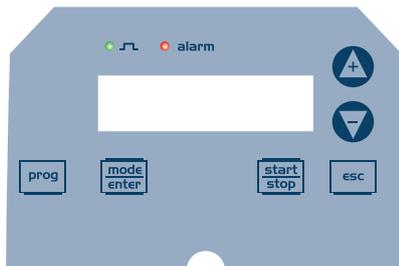
- 2 frequency range (0 – 20% or 0 – 100%)
- Power-ON led indicator and level control input



Analogue dosing pump with proportional dosage **Maxima MAG**

Analogue dosing pump with constant flow rate, with manual adjustment; proportional flow rate according to an external analogue (4 – 20 mA) or digital pulse signal (e.g. from water meter).

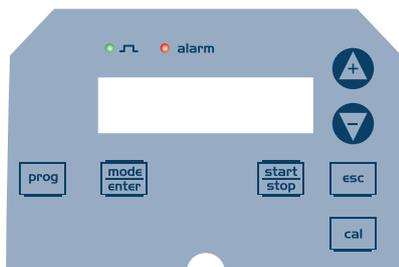
- Control dial (percentage and "n" value in multiplication mode)
- 6 position adjustable switch
- "pacing" function adjustable by dip switch



Digital dosing pump with proportional dosage **Maxima MPG**

Digital dosing pump with constant flow rate with manual adjustment; proportional flow rate according to an external analogue (4 – 20 mA) or digital pulse signal (e.g. from water meter).

- Timer function, ppm dosing, statistics, password and On/Off input (remote switch)



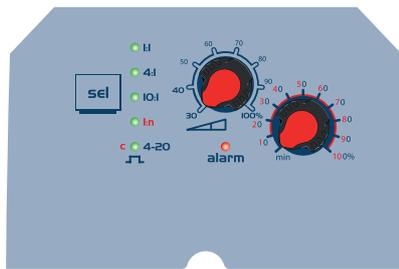
Digital dosing pump with proportional dosage **Maxima MPR**

Digital dosing pump with pH/Redox control meter built in.

- Digital interface for constant or proportional dosing, depending on the measured pH or Rx value
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On-Off for remote control
- 4 – 20 mA output for measure transmission

Maxima Plus

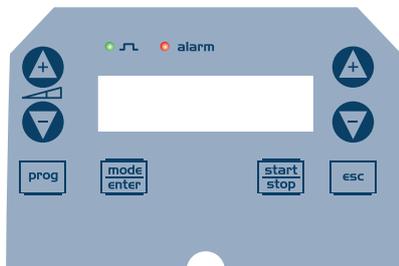
Analogue and digital version with electronic stroke length regulation



Analogue dosing pump with proportional dosage **Maxima Plus MGR**

Analogue dosing pump with constant flow rate, with manual adjustment; proportional flow rate according to an external analogue (4 – 20 mA) or digital pulse signal (e.g. from water meter).

- **800 model** with flow rate from **8 to 25 l/h** and pressures from **2 to 14 bar**
- Control dial (percentage and "n" value in multiplication mode)
- 6 position adjustable switch
- "pacing" function adjustable by dip switch



Digital dosing pump with proportional dosage **Maxima Plus MRP**

Digital dosing pump with constant flow rate with manual adjustment; proportional flow rate according to an external analogue (4 – 20 mA) or digital pulse signal (e.g. from water meter).

- **800 model** with flow rate from **8 to 25 l/h** and pressures from **2 to 14 bar**
- Control dial (percentage and "n" value in multiplication mode)
- Management of the digital signal
- "pacing" function, timer function, ppm dosing, statistics, password and On/Off input (remote switch)

Overview

Accessories



Threaded water meters TC1 - TH1 - TC0 Series

Single-jet water meters with pulse sender, dry dial and roller reading. Suitable for cold water up to 30 °C.

- Size (4 or 1 pulse/l) from ½" (13 mm) to 2" (50 mm)
- Max flow (short period) from 3 to 30 m³/h
- Min flow (accuracy ±5%) from 30 to 450 l/h



Flanged water meters FC Series

A high capacity helical vane (Woltmann) type water meter with dry dial reading and pulse sender. Suitable for cold water up to 50 °C.

- Size from 2" (DN50) to 6" (DN 150)
- Max flow (short period) from 30 to 300 m³/h
- Min flow (accuracy ±5%) from 0,55 to 3 m³/h



Mixers

Electric mixers, three-phases or single-phase, slow (200 rpm) or fast (1400 rpm) and flange attachment, for SER series tanks.

- Material : PVC - AISI 316
- Shaft length : 600 - 800 - 900 - 1100 mm
- Propeller diameter: Slow 150 - 220 mm / Fast 90 mm
- Motor : 0,12 kW



Polyethylene tanks SER Series

Our tanks are designed to be integrated into dosing system assemblies using mixers and either motor driven or solenoid dosing pumps. All are made from food safe polyethylene and are resistant to most commonly found chemicals.

- Storage capacity (L) : 50 - 100 - 250-300 - 500 - 1000



Reinforcement and Uncovered tanks

Tank reinforcement made of PVC (20 mm thick) to be used to install mixers and motor driven pumps or solenoid dosing pumps on SER series tanks .



Suction Devices

A suction filter is provided to protect pump valves from debris or particles that could obstruct the pump valve. Suction devices can also be supplied with integral level controls. These allow the use of alarms, and protect against the system running dry.

- Easy installation; standard FPM seals (EPDM on request); made of PVC with transparent PVC suction; foot filter and non-return valve



Flow Sensor

In order to assess the actual dosing phase, the flow sensor can be used to detect the pump's pulsations during the delivery phase. The sensor can also be used to determine the actual dosing flow rate. This flow sensor is fitted directly on the delivery valve on the dosing pump.

- Body PVC - PMMA - PVDF
- Seals FPM - EPDM
- Pressure max. 10 bar



Priming-aid

Priming issues may occur with dosing pumps with low flow rates and extreme suction lifts compared to the pump capacity. This accessory can eliminate such problems.

- Body PVC
- Seals FPM
- Connections IN/OUT 4/6 or 8/12 tube
- Model 300 ml



Pump head with automatic degassing valve

Where gases are metered, this accessory allows resumption of correct dosing without any intervention from the user..

- Body PVDF - Seals FPM - Balls Ceramic
- Flow rate reduction max. 20%
- Connections 4/6 tube
- Should be used combined with 603 and 800 models



Adjustables valves HY Series

- Body PVC
- Diaphragm FPM (standard) or EPDM (upon request)
- Flow rate max. 50 l/h Pressure max. 10 bar
- Connections 1/2" Gm, 4/6 and 8/12 tube



Injection valves

- Body PVC
- Diaphragm FPM (standard) or EPDM (upon request)
- Flow rate max. 50 l/h Pressure max. 10 bar
- IN connections 1/2" Gm, 4/6 and 8/12 tube
- OUT connections 1/2" Gm



Multifunction valve

- Body PVDF
- Diaphragm PTFE
- Seals FPM - EPDM
- Backpressure max 5 bar
- Overpressure max 18 bar
- Connections IN/OUT 4/6 or 8/12 tube



Fixed / Adjustable backpressure valves

- Body PVDF
- Diaphragm / Seals FPM - EPDM
- Backpressure Fixed 1,5 bar Adjustable 0,5 ÷ 5 bar
- Connections IN 4/6 tube OUT 3/8"G - 1/2"G

Your Choice, Our Commitment

In the modern Globalised world, being a privately owned Company has significant benefits especially for our Customers, our Partners. For over 40 years, SEKO has developed a Global organisation able to take the longer view, manage the pressure of the now, and to plan for the long term, delivering true Partnership for our Customers, with transparency and mutual respect for each other.

Whether it's for our reknown flexibility, our attention to detail, the high-quality products, or just the way we do business, we understand that it's Your Choice to do business with us. It is Our Commitment to fulfill your needs wherever you, our Customers are.



For more information about our portfolio, worldwide locations, approvals, certifications, and local representatives, please visit www.seko.com

As part of a process of on-going product development, SEKO reserves the right to amend and change specifications without prior notice. Published data may be subject to change.

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The SEKO logo, consisting of the word "seko" in a bold, blue, lowercase sans-serif font. The letter 's' is particularly thick and stylized. The logo is positioned in the bottom right corner of the page.

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