



# Kemi Series

Dosing solutions for water treatment and pool applications



Your Choice,  
Our Commitment

# Kemi Series

Assured clean water

Complete, compact solutions for water treatment applications and for pools

Kemi Series offers solutions that match pumps with controllers to automatically measure and verify critical values in water treatment applications or in pool applications, where the quality and appearance of the water is critical.

## Kemi Series features

Kemi Series products benefit from outer casing that features a robust hinge and integrated solenoid dosing pumps, offering a professional design. User-friendly system with automatic proportional dosing, and multi language menu for simplicity in set up and use. Proportional dosing FWM (Frequency With Modulation) mode ensures dosing accuracy avoiding overdosing key to ensuring operational efficiency and safety.

## Single or Double dosing pumps for multi-parameter measurement

SEKO's double or triple pump systems featuring amperometric chlorine measurements and an innovative system to control circulation pumps and boilers for hotel swimming pools and spas that fully complies with legislation.

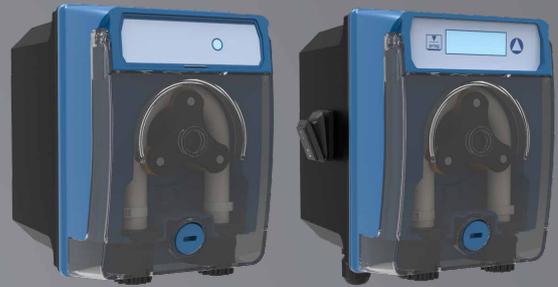
## Key features

- Wizard Calibration process uses high quality pH and ORP probes
- Proportional peristaltic dosing routine
- Amperometric sensor measures chlorine PPM
- Circulation pump checks "Power On" flow trigger
- Remote alarm relay
- Input level probe checks product levels



## KemiOne

KemiOne is the new peristaltic pump that renews the look of best sellers PPE and Dynamik pumps. It is designed to be installed mainly on water treatment and irrigation plants.



## Models

- for CS (constant dosing)
- for CK (timed dosing)
- for pH (6.0 – 8.0 pH)
- for ORP (600 – 1000 mV)

## Dosing Pump

Flow rate 2.5ml to 5 l/h ; Pressure 1.5 bar

## Pool Size

Indoor 5 – 130 m<sup>3</sup> ; Outdoor 5 – 110 m<sup>3</sup>



# KemiDose

The KemiDose range offers an advanced combined system with either a peristaltic or solenoid dosing pump with timed dosing to adjust key chemical parameters in water treatment plants as well as domestic, above ground pools and spa.

KemiDose models can be used across a wide variety of applications and can be used for example in the elimination and prevention of algae spread that for applications where public health or appearance are key, could become a major issue.

Dosing a specific chemical product to destroy algae requires a robust, simple to operate reliable solution but also one that can assure dosage precision and repeatability over a long period of time to ensure pristine water quality.



## Fixing bracket

Large fixing bracket with safety release lever guarantees easy and accurate installation, ensuring a solid wall fixing that reduces accidental damage during daily operations.



## Casing

New professional SEKO look with polished blue & black enclosure and easy to open front cover which allows tool free tube replacement. The casing features integrated front keys and a robust high - grade plastic hinge allowing the box to be opened without tools and the self-holding hinge keeps the cover open giving easy and safe access for installation.

## Easy and advanced

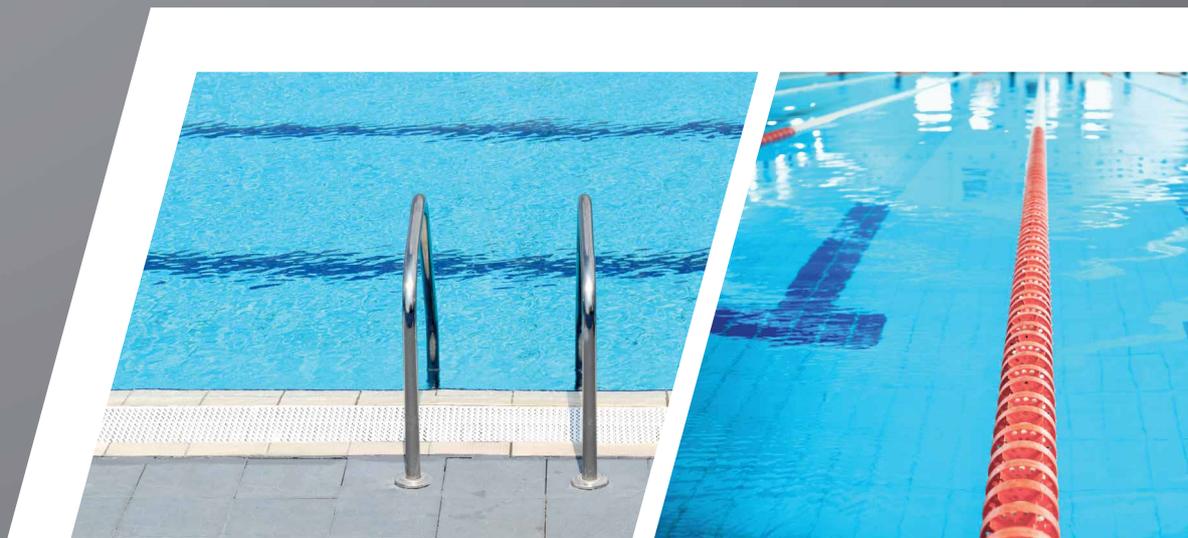
Multi-language menu with clear alphanumeric display (16 letters x 2 lines) makes parameter setting easy and quick. User-friendly menu references legal parameter settings for assured compliance.

## Wizard menu

Wizard calibration routine for ease of programming but which also benefits from a operating lifetime indication probe. The controller provides visual indication via a percent value of the available lifetime of the unit.

## Solenoid Pump Head

KemiDose's pump head comes as standard in PVDF and with a ceramic ball valve. Long life diaphragm tested to give guaranteed "Five Year" working life



# KemiDose

## KemiDose Pro

KemiDose Pro Series has a low flow rate per hour to ensure continuous dosage without risk of interruption. Seko has developed two controller units to provide assured low level dosing from as little as 2,5 cc/hour to 9700 cc/hour.



### Main Features KemiDose Pro

- Speed Control by software
- Level Control
- Switch ON/OFF/Priming
- Power supply 100 - 240 Vac
- Display 16x2 (Blue – White Color)
- 0 - 20 mA Input to control flow rate pump in proportional mode
- Frequency Input (pulse signal) to control flow rate pump in proportional mode
- Input High Voltage 240 Vac "Flow Check"
- Remote Alarm by relay (dry contact)
- Menu Setting parameters
- Constant or Proportional Dosing
- Dimensions 235 x 165.4 x 137.2 mm

## KemiDose Time

KemiDose Time Series has a weekly timer to provide up to 10 dosing events per day. Seko has developed a digital system with a weekly timer to dose exact volumes per each event. Thanks to the systems software calibration function maximum flow rate can be made to be fully adjustable. KemiDose Time models assure flow rates between 975 cc/hour to 9700 cc/hour.



### Main Features KemiDose Time

- Speed Control by software
- Level Control
- Switch ON/OFF/Priming
- Power supply 100 - 240 Vac
- Display 16x2 (Blue – White Color)
- Weekly timer setting menu
- Input High Voltage 240 Vac "Flow Check"
- Relay (dry contact) to control optional Solenoid Valve
- Menu Setting parameters
- Constant Dosing
- Dimensions 235 x 165.4 x 137.2 mm

# KemiDose SP Single or Double

KemiDose SP Single delivers a user friendly solution combining a solenoid driven dosing pump and single measurement with automatic proportional dosing for larger volume water treatment plants and above ground, indoor and outdoor pools.

## KemiDose SP Single

- for pH (0 – 14)
- for ORP (0 – 1000 mV)

## Solenoid Driven Dosing Pump

Proportional dosing FWM (Frequency With Modulation)

Flow rate 5 l/h ; Pressure 5 bar

Wetted parts Body in PVC, membrane in PTFE

## Pool Size

Indoor 50 – 350 m<sup>3</sup>; Outdoor 50 – 300 m<sup>3</sup>

KemiDose Double combines two solenoid driven dosing pumps with a multi measurement capability and an automatic proportional dosing system to deliver balanced chemical parameters for water treatment applications and above ground and indoor and outdoor pools.

## KemiDose SP Double

- for pH (0 – 14) and ORP (0 – 1000 mV)
- for pH (0 – 14) and ORP (0 – 1000 mV) with shuko
- for pH (0 – 14) and ORP (0 – 1000 mV) and Free
- chlorine (0 – 5 ppm with amperometric probe)

## Solenoid Driven Dosing Pumps

Proportional dosing FWM (Frequency With Modulation)

Flow rate 5 l/h ; Pressure 5 bar

Wetted parts Body in PVC, membrane in PTFE

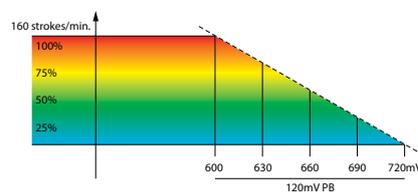
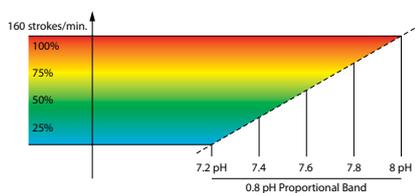
## Pool Size

Indoor 50 – 350 m<sup>3</sup>; Outdoor 50 – 300 m<sup>3</sup>



## Proportional dosing FWM

(Frequency With Modulation) mode ensures dosing accuracy avoiding overdosing. The charts show how the pump stroke frequency changes according to the distance of the read value from the set point. The proportional band can be set by menu. The customer needs to set the desired value for the Set Point and Proportional band.



# 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 renowned 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](http://www.seko.com)

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