

WareDose 50 is a microprocessor dosing system hosted in a new SEKO enclosure, that has a LCD 2x16 characters display and can be used to dose accurately chemical products in all type of dishwashing machines. It is available either with conductivity or inductive probe and even in the version with 3 chemical pumps.



### MODELS:

- **DL Ind** (Det Solenoid Valve + Rinse Peristaltic Pump; Inductive Probe)
- **LL Cond** (Det/Rinse Peristaltic Pumps; Conductive Probe)
- **LL Ind** (Det Solenoid Valve + Rinse/Additive Peristaltic Pump; Inductive Probe)
- **LLL Ind** (Det /Rinse/Additive Peristaltic Pump; Inductive Probe)

### FEATURES:

- **LCD Digital display** 2 x 16 characters with backlight
- **Separated switching Power supply** (100÷240 Vac @50/60 Hz)
- **IP65** Protection degree and class II electrical insulation
- **Separated Level Control Input** for Det and Rinse pump, with the possibility to stop the pumps or not when alarm occurs
- **Separate input** triggers from 1<sup>st</sup> charge SV, wash and rinse SV
- **Conductive probe** for accurate conductivity reading (200 µS ÷ 10 mS).
- **Inductive probe on «Plus models»** (reading range 1 mS ÷ 50 mS)
- **ModBus connection** option upon request for remote monitoring and programming
- **Manual Priming** of the pumps by buttons on the front label keypad
- Features **new PC front cover with easy opening and stop in open position**
- New ABS polished enclosure with easy opening by frontal keys
- **3 Rollers and ball bearing** on motor shaft ensure 20% higher lifetime on tube and motor
- **Robust plastic hinge** not affected by corrosion.

### OPERATING MODES AND FUNCTIONS:

- **Password Protection** for programming
- Operating mode **programmable for single tank or tunnel dishwashers**;
- Detergent pump with **adjustable dosing time or speed (depending on conductivity value)**
- Separate management of 1<sup>st</sup> charge
- **Rinse** peristaltic pump with **adjustable speed or dosing time** and programmable dosing time limit
- **3<sup>rd</sup> Chemical pump adjustable in speed**; it can be set to work with detergent or rinse pump
- **Proportional achievement of the conductivity set point** (speed reduces when coming closer to set point) with programmable band
- **UP to 3 stored programs** that can be activated manually or at a pre-set time
- **Programmable OFA time to signal alarm** and eventually stop the pump if the detergent concentration set point has not been reached within the set time interval.
- **De-liming function** for de-encrusting of dishwasher
- **Wide set of statistic data** (operating times and activations for each pump, conductivity value, etc.)
- Motor Breakdown diagnosis to signal motor failures

| TECHNICAL FEATURES         |   |
|----------------------------|---|
| TYPE                       | WareDose 50   |
| CERTIFICATIONS             | CE, EAC   |
| INTERFACE                  | Digital with LCD 2x16 characters display                |
| PROTECTION DEGREE          | IP65  |
| ELECTRICAL CLASS           | Class II (ground connection not needed)                 |
| POWER SUPPLY               | 100÷240 Vac @50/60 Hz                                   |
| CONDUCTIVITY READING RANGE | 200 $\mu$ S ÷ 10 mS (1 mS ÷ 50 mS with inductive probe) |
| CONSUMPTION                | 20 W  |
| CASE MATERIAL              | ABS   |

| HYDRAULIC DATA                   |  |
|----------------------------------|--|
| DETERGENT PUMP FLOW RATE         | 1 – 7.5 l/h                                  |
| RINSE/ADDITIVE PUMP FLOW RATE    | 0,15 – 1,1 l/h                               |
| RINSE/ADD. PUMP MAX BACKPRESSURE | 3 bar  |
| DETERGENT PUMP SQUEEZE TUBE      | Santoprene (6x10)                            |
| RINSE/ADDITIVE PUMP SQUEEZE TUBE | Sekobril (3x8)                               |
| EXTERNAL TUBE FITTINGS           | For tube 4x6 with nuts (others upon request) |

### DIMENSIONAL DRAWINGS

