

Installation kit and accessories

Installation kit		35	40	40Plus
	Conductivity probe	•	•	• inductive
	Wall mounting bracket	•	•	•
	PP injection connector	•		
	Stainless steel injection connector		•	•
	Suction tubing	•	•	•
	Delivery tubing	•	•	•
	PVC delivery tube for Powder dispenser	•	•	•
	Foot filter	•	•	•
	Powder detergent injection connector	•	•	•
	PP sanitized injection connector	only for LLL and DLL versions		
	Stainless Steel non return valve	•	•	•
	Boiler non return valve adapter Ø 6-8 mm	•	•	•
	Plastic T connector	•	•	•

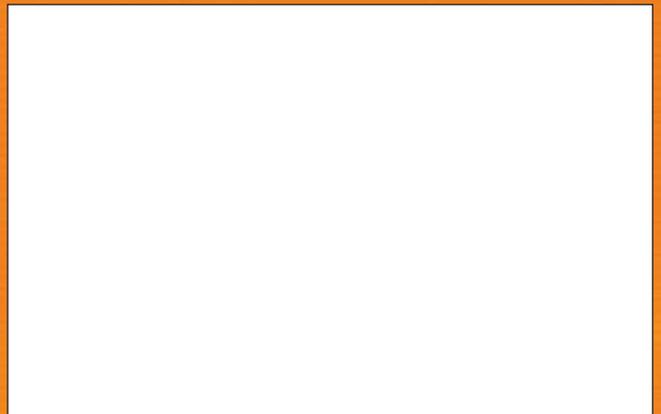
Accessories		35	40	40Plus
	Suction device without level probe	•	•	•
	Suction device with level probe	•	•	•
	Powder detergent container	only for DL and DLL versions		
	Powder detergent dissolver	only for DL and DLL versions		
	PP injection connector		•	•
	Stainless steel injection connector	•		
	Low profile injection connector	•	•	•



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Dosing systems for dishwashing machines

TWINDOSE 35 • 40 • 40Plus



innovation > technology > future

Intelligent solutions to suit all needs



Based on their extensive experience with peristaltic systems, **SEKO** has come up with new automatic dosing systems for industrial single tank and tunnel dishwashing machines, especially intended for "heavy duty" applications (in which the dosing unit works for more than 50 hours per week): **Twindose 35 Series, Twindose 40 & 40 Plus Series.**

A wide range of models

- **LL Version** (1 detergent pump and 1 rinse-aid pump)
- **DL Version** (1 solenoid valve for the powder detergent dispenser and 1 rinse-aid pump)
- **LLL version** (1 detergent pump, 1 rinse-aid pump, and 1 sanitizer pump)
- **DLL Version** (1 solenoid valve for the powder detergent dispenser, 1 rinse-aid pump, and 1 sanitizer pump)

Three types of dosing systems control

- **Conductivity** or **time** for the detergent pump
- **Speed** or **time** for the rinse-aid pump
- **Speed** for the sanitizer pump

Simple to install and low in maintenance

- Simplicity, from the plumbing to connecting the electricals:
 - To the solenoid valves for the dishwashing machine or the washing pump
 - To an external power supply, with signals coming from the dishwashing machine
- Easy to install, thanks to the simple bracket for wall mounting
- Maintenance is simple and no special tools are required

Safety and reliability

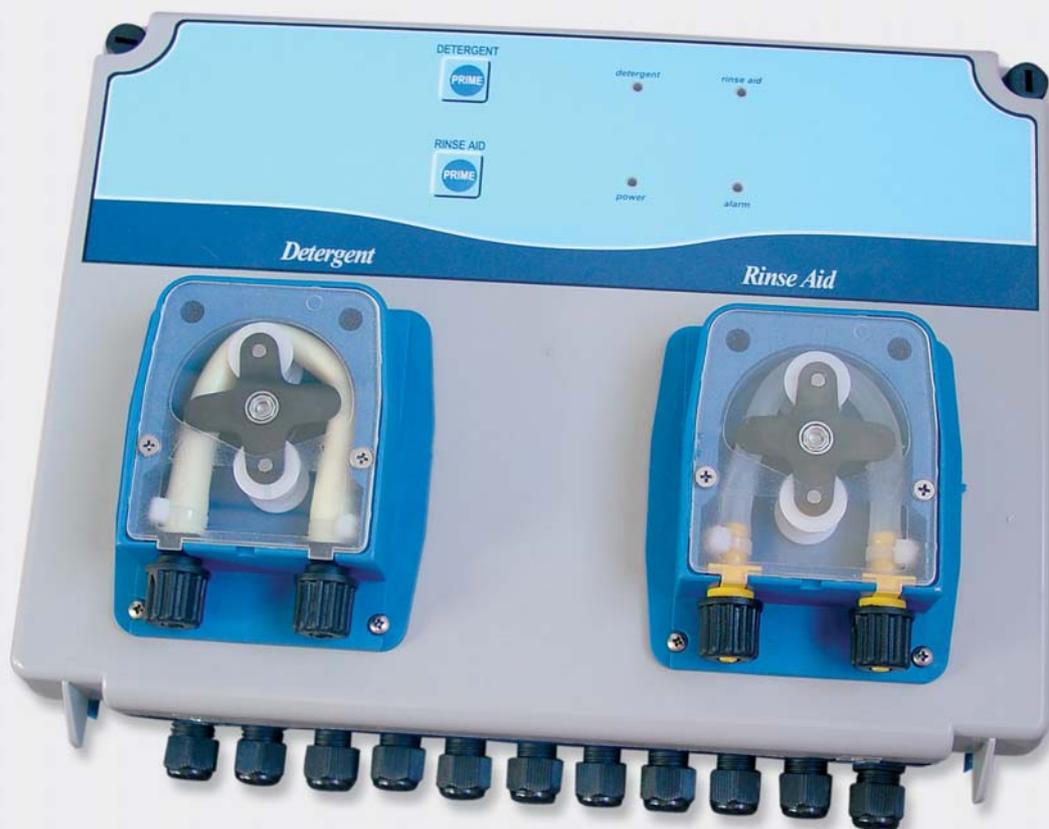
- **Internal microswitches and trimmers** (Version 35) for setting controlling parameters and selecting the dosing mode
- **External digital settings** (Version 40 & 40 Plus) with settings protected by a password
- Easy access to both the electrical connections and the pumps, due to **85° panel opening**
- **External keys for priming** chemical products
- Protection degree **IP65** and **class 2 electrical insulation** (without earth connection)
- **Level control with 3 inputs**
- **Santoprene** and **Sekobril** squeeze tubes, always equipped with inlet-outlet fittings for fast and safe connections
- **Audible alarm** when set points are reached
- **Separate management** of the first load
- **Possibility of selecting conductivity measurement** using a conductivity probe (Version 35 and 40) or inductive sensor (Version 40 Plus)
- **Double conductivity display:**
 - In μS and SKU using a conductivity probe (Version 40)
 - In mS and SKU using an inductive probe (Version 40 Plus)
- **Roller support bearing** (standard for all versions) made with the **TRANSAXLE TECHNOLOGY** to increase motor life
- **5-pole power-boosted motor** (Version 40 and 40 Plus)
- Electronic motor rpm control
- **Delime mode:** This is used to decalcify dishwashing machine without disconnecting the Twindose
- **Relay alarm output**
- **Fault Diagnosis Function**
- **Statistics management** (Version 40 and 40 Plus)
- **Statistical download** via IRDA signal (Infrared) (optional for Version 40 and 40 Plus only)

ANALOGUE SYSTEM TWINDOSE 35

This is a versatile, safe, dosage system that is controlled by a microprocessor.

It is based on **SEKO's** experience with dishwashing machine systems, and combines modern technology, easy installation, and user-friendly programming.

Available in various versions for dosing liquids and powders it can be used with all types of dishwashing machines (single tank and tunnel).



Technical Features

Detergent Dosage	Conductivity or Timed	Alarms	OFA double time 255 sec. cannot be deactivated (The first activates the alarm and the second stops the pumps)
Rinse-aid Dosage	Speed or Timed	Power Supply	Switching from 80 to 265 Vac (24 Vac with additional module)
Sanitizer Dosage	Speed	Input signals	selectable (using jumpers) from 20 to 265 Vac or 150 to 265 Vac
Detergent Pump Flow rate	Santoprene Squeeze tubing 8,5 l/h	Power Rating (max.)	14 W
Rinse-aid Pump Maximum pressure Flow rate	SekoBril Squeeze tubing 3 bar 1,2 l/h	Weight	3,5 kg
Sanitizer Pump Maximum pressure Flow rate	SekoBril Squeeze tubing 3 bar 1,2 l/h	Dimensions (mm)	
Conductivity measuring scale (using a conductivity probe)	from 200 μ S to 10 mS	Version LL • LLL	W 285 x H 220 x D 110
Resolution	10 μ S	Version DL • DLL	W 360 x H 220 x D 110
		Packing dimensions (mm)	W 400 x H 140 x D 240 (13,400 cm ³)

DIGITAL SYSTEM TWINDOSE 40 and 40PLUS

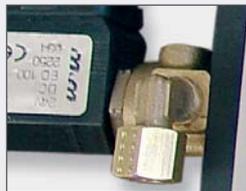
This dosage system is controlled by a microprocessor and has an LCD display.

It is the jewel in the crown of **SEKO** dosing systems, and combines easy installation with a wide range of functions including management of statistics, which can be downloaded using an infrared system.

Twindose 40 and **40 Plus** are designed for use with all types of dishwashing machines (single tank and tunnel).

Twindose 40 Plus is specifically designed for heavier duty applications, with the use of power-boosted motors and inductive technology for measuring conductivity.

The range available includes a series of models that are able to suit all the client's needs.



Technical Features

Detergent Dosage	Conductivity or Timed	Resolution	10 μ S
Rinse-aid Dosage	Speed or Timed	Alarms	OFA double time 255 sec. cannot be deactivated (The first activates the alarm and the second stops the pumps)
Sanitizer Dosage	Speed	Power Supply	Switching from 80 to 265 Vac (24 Vac with additional module)
Detergent Pump	Santoprene Squeeze tubing	Input signals	selectable (using jumpers) from 20 to 265 Vac or 150 to 265 Vac
Flow rate	12,5 l/h	Power Rating (max.)	20 W
Rinse-aid Pump	SekoBril Squeeze tubing	Weight	3,5 kg
Maximum pressure	3 bar	Dimensions (mm)	
Flow rate	2,5 l/h	Version LL • LLL	W 285 x H 220 x D 110
Sanitizer Pump	SekoBril Squeeze tubing	Version DL • DLL	W 360 x H 220 x D 110
Maximum pressure	3 bar	Packing dimensions (mm)	W 400 x H 140 x D 240 (13,400 cm ³)
Flow rate	2,5 l/h		
Conductivity measuring scale			
(using a conductivity probe - Twindose 40)	from 200 μ S to 10 mS		
(using an inductive sensor - Twindose 40 Plus)	from 1 to 50 mS		