

SAFE AND RELIABLE

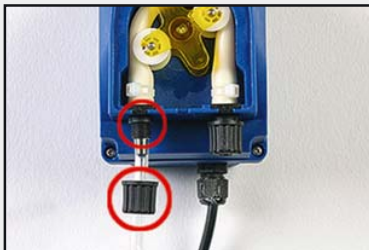
Polypropylene enclosure
extremely shockproof and resistant to chemical aggression



IP 65 protection degree and **class 2 electrical insulation** (no ground connection required)

SEKO dosing pumps comply with the provisions contained in the following international standards:

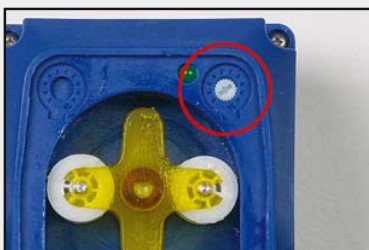
- > 73/23CEE of 19/2/73
- > 89/336CEE of 3/5/89
- > EN60335-1
- > ISO 9001 (version 2000)



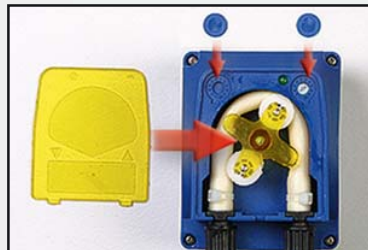
Extra-strong and long life Santoprene and Sekobril squeeze tubing, always equipped with inlet-outlet fittings for fast and safe connections



USER FRIENDLY

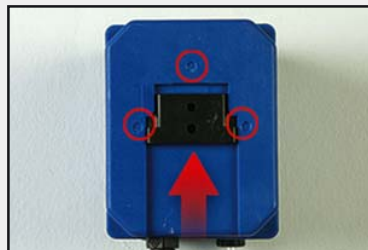


Via **trimmer settings** simple and fast parameters configuration

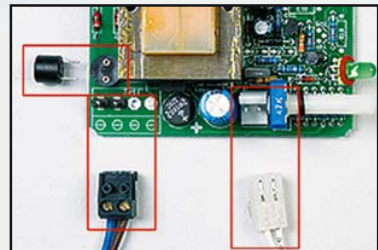


Plugs for protecting settings to avoid undesired tampering

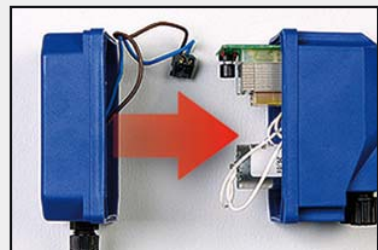
EASY INSTALLATION AND MINIMUM MAINTENANCE



Easy wall mounting and removing thanks to the fixing brackets

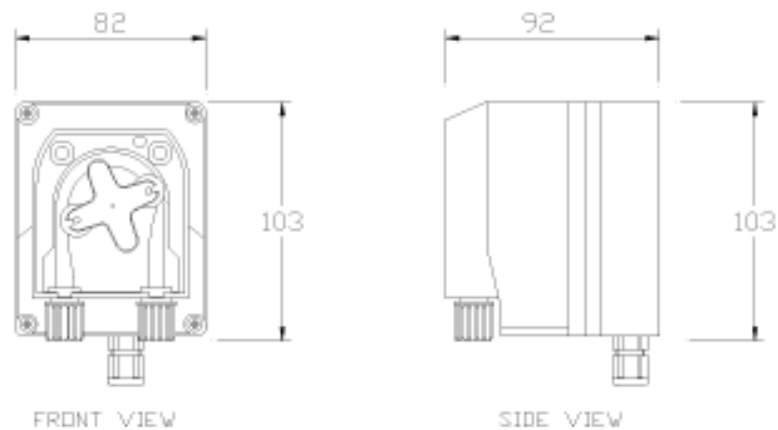


Plugs on circuit board provide for a quick electrical connection



Easy tubing replacements.
There's no need to start the pump

Dimensional Drawings



SEKO PE & PR Pump

Specifications

	GENERAL
Accessories Included	
Squeeze Tube	Santoprene
Suction Tubing	PVC Natural (PE Black optional)
Discharge Tubing	PE Natural (PE Black optional)
Foot Valve	PVC & PP
Injection Valve	PP with Viton Lip Valve
Physical	
Electrical	220-240 VAC, 50/60Hz
Mounting	Wall
Housing Material	PP
Rating	IP65
Colour	Blue
Dimensions	103mm (h) x 82mm (w) x 92mm (d)

	PE-0.4	PE-1.3	PE-5
Capacity			
Dose Rate	0.4 l/hr	1.3 l/hr	5.0 l/hr
Max Pressure	3 Bar (300 kPa)	3 Bar (300 kPa)	1.5 Bar (150 kPa)

	PR-1	PR-4	PR-7
Capacity			
Dose Rate	0.3 - 1.0 l/hr	1.5 - 4.0 l/hr	3.0 - 7.0 l/hr
Max Pressure	3 Bar (300 kPa)	1.5 Bar (150 kPa)	

Detergent Pumps



PA

Dosing pump with conductivity probe control

Hole for probe connection: 22.5 mm (7/8")

Power supply: 230 Vac. Consumption 3.5 W

MODEL	BAR	L/H
PA 6 (Santoprene tubing)	0.1	6
PA 9 (Santoprene tubing)	0.1	9



PE

Fixed flow-rate pump

Power supply 230 Vac

Consumption: 3.5 W

MODEL	BAR	L/H
PE 1.5 (Santoprene tubing)	0.1	1.5
PE 3 (Santoprene tubing)	0.1	3



PR

Adjustable flow-rate dosing pump with speed control

Power supply: 230 Vac

Consumption: 3.5 W

MODEL	BAR	L/H
PR 4 (Santoprene tubing)	0.1	4
PR 7 (Santoprene tubing)	0.1	7



PS

Fixed flow rate dosing pump with timer control, powered via the loading and rinse solenoid valves. Two setting trimmer enable detergent First Fill and Top Up. Power supply: 230 Vac. Consumption: 3.5 W.

First Fill time: 5 to 220 sec.

Top Up time: 1 to 20 sec.

MODEL	BAR	L/H
PS 3 (Santoprene tubing)	0.1	3
PS 10 (Santoprene tubing)	0.1	10



PRT

Fixed flow rate dosing pump with timer control. Models powered via single or double solenoid valves available. Two setting trimmer enable detergent First Fill and Top up. Power supply: 230 Vac. Consumption: 3.5 W.

First Fill time: 18 to 180 sec.

Top Up time: 2 to 15 sec.

MODEL	BAR	L/H
PRT 6 (Santoprene tubing)	0.1	6
PRT 9 (Santoprene tubing)	0.1	9

Rinse Aid Pumps



PE

Fixed flow-rate pump

Power supply 230 Vac

Consumption: 3.5 W

MODEL	BAR	L/H
PE 0.4 (Sekobril tubing)	3	0.4



PR

Adjustable flow-rate dosing pump with speed control

Power supply: 230 Vac

Consumption: 3.5 W

MODEL	BAR	L/H
PR 1 (Sekobril tubing)	3	1



PM

Fixed flow-rate dosing pump with timer control

Power supply 230 Vac

Consumption: 3.5 W

Dosing time: 1 to 20 sec.

MODEL	BAR	L/H
PM 0.4 (Sekobril tubing)	3	0.4



PRT

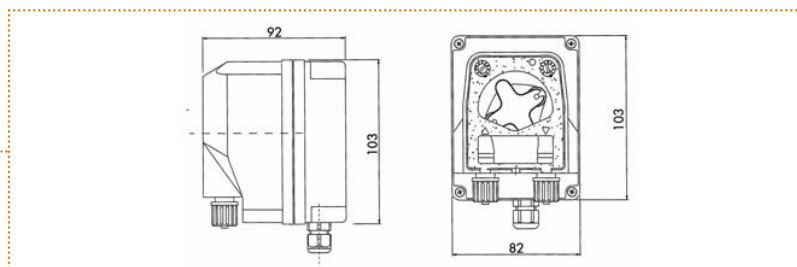
Fixed flow rate dosing pump with timer control. Models powered via single or double solenoid valves available. Two setting trimmer enable rinse-aid dosing. Power supply: 230 Vac. Consumption: 3.5 W.

First Fill time: 18 to 180 sec.









Top Up time: 2 to 15 sec.









MODEL	BAR	L/H
PRT 1.5 (Sekobril tubing)	3	1.5

Dimensional drawings



Installation kit and accessories

Installation kit	Detergent Pumps					Rinse Aid Pumps			
	PA	PE	PR	PS	PRT	PE	PR	PM	PRT
 Conductivity Probe	•								
 Wall mounting bracket	•	•	•	•	•	•	•	•	•
 PP injection connector	•	•	•	•	•				
 Suction tubing	•	•	•	•	•	•	•	•	•
 Delivery tubing	•	•	•	•	•	•	•	•	•
 Foot filter	•	•	•	•	•	•	•	•	•
 Stainless Steel non return valve						•	•	•	•
 Boiler non return valve adapter Ø 6-8 mm						•	•	•	•

Accessories	Detergent Pumps					Rinse Aid Pumps			
	PA	PE	PR	PS	PRT	PE	PR	PM	PRT
 Level control system*	•	•	•	•	•	•	•	•	•
 Flexible conduit holder**	•	•	•	•	•	•	•	•	•
 Double wall mounting bracket	•	•	•	•	•	•	•	•	•
 Plastic T connector						•	•	•	•
 Suction device without level probe	•	•	•	•	•	•	•	•	•
 Suction device with level probe			•				•		
 Stainless steel injection connector	•	•	•	•	•				
 Low profile injection connector	•	•	•	•	•				

* With every type of dosing pump. Two end of product alarm input via level probe in the form of a reed contact signalled with the flashing of the LED. Supplementary Output alarm relay available. Power supply: 230 Vac (24 Vac on demand)

** Ø internal 10mm, Ø external 16mm on demand



Tubing Characteristics

Tubing	Characteristics	Limitations
Santoprene	Tubing suitable for a wide range of applications supplied as standard in all PBR, PBM, PE, PG and PP Pumps Available in a special version suitable for food application.	Not suitable for solvents
Sekobril	Tubing suitable for a wide range of applications where may be supplied with all range of pumps. Available in a special version suitable for food application.	Not recommended with strong acids or alkaline solution Swells up in many organic solutions
Sekoflex	Tubing with an uncomparable flexibility that assure the constant dosing after ours of operation also. Suitable for Alkaline products.	Not suitable for strong acids, black pigments may leach out.
Sekokem	Tubing suitable for applications where are used very aggressive acids and solvents.	Limited lifetime
Sekofarm	High quality for medical, laboratory and research use Homogeneous structure tubing for a better chemical resistance. Suitable for food and medical applications	More hard than the other tubing may affect the life of the gearbox
Norprene®	Same as Santoprene, is a standard tubing for the PSG and PSH models. Suitable for Alkaline chemicals	Additives and black pigments may leach out
Tygon R-1000®	Tubing with a strong chemical compatibility but low mechanical life.	Become hard and may affect motor life with some chemical whit which ahs a good chemical compatibility

Norprene® AND Tygon R-1000® are a Saint Gobain Co. Reg. TM

Tubing Code

	3 x 7	3 x 7,4	3 x 8	4 x 8,6	5 x 8	6 x 9	6 x 10	3/8 x 5/8
Santoprene	9900106234				9900090226	9900106551	9900090057	
Sekobril		9900090121	9900090098	9900090096			9900090068	9900090067
Sekoflex							9900090234	9900090232
Sekokem							9900090249	9900090242
Sekomed								
Norprene								9900090064
Tygon R-1000					9900090256			9900090017
Santoprene Food							9900090113	
Sekobril Food							9900090082	