Technical data sheet

PSD Powder Solid Dosing

The PSD system is an All-in-One-solution for commercial dishwashers for dosing detergent and rinse aid.

This device can be operated with all commercially available 3 – 5 kg solid cartridges (powder, tabs, trays and blocks).

With the connection to the SAIER web portal SDDB.eu, the rinsing operation can be monitored remotely via the Internet and dosing programs can be adjusted. The innovative design ensures low maintenance requirements.



Rinse-aid pump	Flow rate	20 ... 500 ml/h (with PS 138-1.6x1.6 Ri4 / 2.5 bar max.)
Configuration	Device:	▪ Buttons on device ▪ Windows laptop (SSC software)
	Conductivity measurement:	▪ Inductive ▪ Conduktiv
	Rinse-aid dosing:	▪ Constant ▪ Variable
	Dosing control:	▪ Time ▪ Time and pauses ▪ Conductivity control
	Control programs:	▪ Predosing program ▪ Basic program ▪ Special program ▪ 7 weekly programs / timer programs
	Additional pump control:	▪ Simultaneously with detergent flush ▪ Simultaneously with rinse aid pump ▪ Via control input In1

SAIER Dosiertechnik GmbH
D-79194 Gundelfingen
Tel.: +49 (0) 761 59 25 20
E-Mail: info@saier.eu
Internet: www.saier.eu

Electrical data	Operating voltage:	100 - 230 V
	Frequency:	50 / 60 Hz
	Input power:	20 VA
	Protection class:	IP 65
	Fuse:	0,2 A Fuse device
		2 A Fuse average yields solenoid valve

Data storage

- Consumption data – daily product consumption of rinse-aid pump and solenoid valve activation time
- Container empty events / container change
- Error events: Dosing error / sensor failure etc.

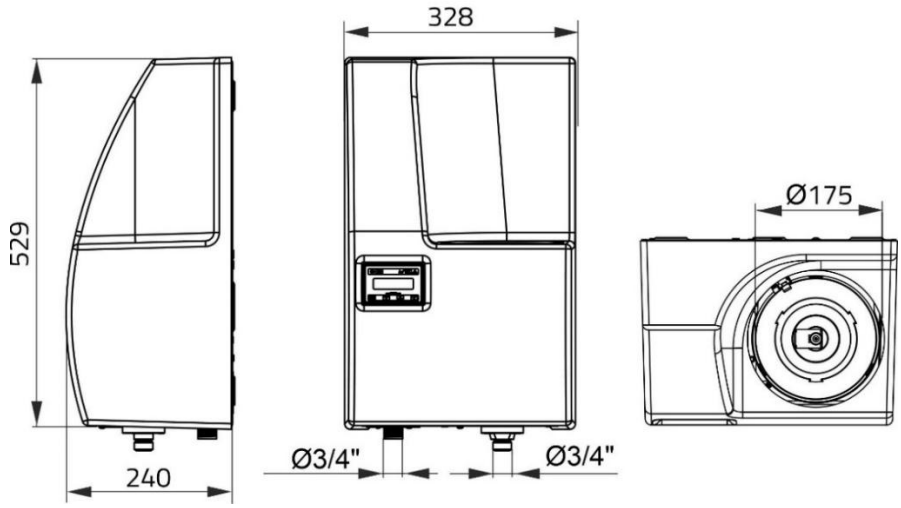
Remote

- Connection to the SDDB web portal (visualization of consumption data)
- Remote maintenance via the Internet with the SSC software

Mechanical data	Dimensions:	328 x 529 x 240 mm
	Weight:	7,8 kg
	Tube connections rinse-aid pump:	4x1 mm (Ø 4 mm inner, Ø 6 mm outer)
	Funnel tube connection:	3/4 inch
	Water connection:	3/4 inch
	Min. water pressure:	2 bar
	Min. water volume:	3l/min
	Min. water temperature:	5° C
	Max. water temperature:	60° C
	Cartridge holder:	Ø 175 mm
	Nozzle:	120° full cone jet

Ambient conditions	Ambient temperature range:	+10 ...+40 °C
	Environmental stress:	Conforms to DIN EN 60068-2-38

Dimensions



Products

Art. no.	Designation	Rinse-aid pump	Remote control
1005790	PSD-System	Yes	-
1005792	PSD -Pro	Yes	Yes
1005828	PSD -System UL (USA certified)	Yes	-
1005826	PSD -Pro UL (USA certified)	Yes	Yes

Accessories

Art. no.	Designation	Details
1006268	PSD -Starter kit	SSC-Software Data transmission adapter Inductive conductivity sensor ILFS 02 10m PE hose 4x1, Check valve for rinse aid injection 5m armored hose 3/4 inch
1004800	LTE Router + 1NCE Sim	
1005112	LTE Router + 1NCE Sim US-Version	See data sheet LTE-Router
1006156	LTE Router + 1NCE Sim Global	
1003175	SSC-Software (USB-Stick)	Configuration software (Windows application)
1003020	Data transmission adapter	For transferring data from the PC to the device
1000705	Conductivity sensor ILFS02	Inductive conductivity sensor with data mode 5 m cable with plug
14001	Conductivity sensor EE 10-3/8	Conductive conductivity sensor
45038	Connection hose for containers, dosing unit and machine	4x1 PE, natural, by the meter
998073	Hose reducer 6mm - 4mm	6mm grommet / 4x1mm compression fitting
45034	Check valve 4x1 - 1/8 inch - 6mm	Input: 4x1 mm compression fitting Output: 1/8 inch AG, plus adapter piece with 6 mm grommet
998029	Check valve 4x1 - 4x1	With 2 compression fittings 4x1 mm
1004119	5m armored hose 3/4 inch	Fresh water supply connection.
1006063	Hose nozzle 90°	Funnel drain connection for hose with ID Ø 19mm
18070	Suction lance 600mm	Suction lance with float switch. Ø 40mm, length 600mm, hose connection 4x1mm
1006193	Suction lance 350mm	Suction lance with float switch. Ø 32mm, length 350mm, hose connection: 4x1mm
1005953	Wall bracket for 5l canister	Especially for rinse aid containers
98235	Concept 2105 dosing hose pump	Dosing pump for additional liquid media: defoamer, chlor based aditive, etc.
16505	CTLOG connection module	Connection of sensors and flowmeters
1002619	Flowmeter water	0.5- 50 L/ min, 120 Imp./ L, R3/4 connections