

# SIMDOS 02

Dosing pump for liquids



- Simple and intuitive operation
- Easy calibration
- Cycle mode
- Adaptable to fluid characteristics
- Self priming, can run dry
- Analog and impulse control (RC)
- Splashproof IP65, small footprint

## Fields of application

- Chemistry
- Synthetic organic chemistry
- Pharmacy
- Adhesives and glue
- Polymers & polymer coating
- Food technology research
- Detergents

## Hydraulic data

Flow rate	Dosing volume	Suction height	Max. pressure
30 µl/min–20 ml/min	30 µl–999 ml	2 mWg	6 bar

## Chemical resistance

Code	Pump head	Diaphragm	Valves	Filter
KT	PP	PTFE covered	FFKM Kalrez®	PEEK
TT	PVDF	PTFE covered	FFKM Kalrez®	PVDF
FT	PTFE	PTFE covered	FFKM Kalrez® *	PEEK
ST	STAINLESS STEEL	PTFE covered	FFKM Kalrez® *	PEEK

\* On request FFKM Chemraz®

## Functions

S - Version	RC - Version	RC Plus - Version
<ul style="list-style-type: none"> <li>• Manual operation</li> </ul>	<ul style="list-style-type: none"> <li>• Manual operation</li> <li>• Analog control: 0–5 V, 0–10 V, 0–20 mA, 4–20 mA, from 1 to 100%</li> <li>• Start/Stop through logic control (TTL)</li> </ul>	<ul style="list-style-type: none"> <li>• Reset/Prime through logic control (TTL)</li> <li>• Output signal fault alarm</li> <li>• Cable for external control included</li> <li>• Same as RC</li> <li>• Plus RS 232</li> </ul>

## Technical data

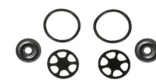
- Main supply 100–240 V / 50–60 Hz
- Ambient temperature allowed +5 to +40 °C
- Liquid temperature allowed +5 to +80 °C
- Maximum viscosity allowed 150 cSt
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 10 W
- Protection class IP65
- Dimensions: 140 x 87 x 130 mm
- Weight: 0.9 kg
- Hydraulic connection UNF 1/4"-28
- Filter

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## Accessories

### Valves kit

	ID-Nr.
Chemraz® special valves for certain chemicals	164984



Special Valves CHEMRAZ®

### Diaphragm pressure control valve with support when the feeding tank is above the pump

	ID-Nr.
Kit JFDV 30 KTZ	166286
Kit JFDV 30 TTZ	166287
Kit JFDV 30 FTZ	166288



### Filter

Typ	Material	Connector	ID-Nr.
FS 60 T	PVDF	UNF 1/4"-28	165210
FS 60 X	PEEK	UNF 1/4"-28	165212



### Connection tube

	ID-Nr.
Tube 1/16" with connector UNF 1/4"-28, 1 m for fine dosing	166335



### Mounting plate

	ID-Nr.
for wall mounting	160473



### Standfitting

	ID-Nr.
for retort stand	160474



### Footswitch

	ID-Nr.
for impulse start and stop	155872



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