

DOSING PUMP FOR LIQUIDS

SIMDOS 02



- 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
- Pharmacology
- 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 ¹⁾
KT	PP	PTFE covered	FFKM Kalrez®	PEEK
TT	PVDF	PTFE covered	FFKM Kalrez®	PVDF
FT	PTFE	FFKM	FFKM Kalrez® *	PEEK
ST	STAINLESS STEEL	PTFE covered	FFKM Kalrez® *	PEEK

* On request FFKM Chemraz®
1) material for housing and filter mesh

Functions

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

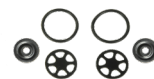
Technical data

- 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: 150 x 93 x 144
- Weight: 0.9 kg
- Hydraulic connection UNF 1/4"-28

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 ¹⁾	Connector	ID-Nr.
FS 60 T	PVDF	UNF 1/4"-28	165210
FS 60 X	PEEK	UNF 1/4"-28	323625 (1 pc)
FS 60 X	PEEK	UNF 1/4"-28	323626 (10 pcs)

¹⁾ material for housing and filter mesh



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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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

