

## 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 <sup>1)</sup>
KT	PP	PTFE covered	FFKM Kalrez <sup>®</sup>	PEEK
TT	PVDF	PTFE covered	FFKM Kalrez <sup>®</sup>	PVDF
FT	PTFE	PTFE covered	FFKM Kalrez <sup>®</sup> *	PEEK
ST	STAINLESS STEEL	PTFE covered	FFKM Kalrez <sup>®</sup> *	PEEK

\* On request FFKM Chemraz<sup>®</sup>  
1) material for housing and filter mesh

### 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>

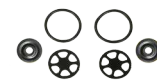
### Technical data

- 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: 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 <sup>1)</sup>	Connector	ID-Nr.
FS 60 T	PVDF	UNF 1/4"-28	165210
FS 60 X	PEEK	UNF 1/4"-28	165212

<sup>1)</sup> 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



## DOSING PUMP FOR LIQUIDS



- Simple and intuitive operation
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- Splashproof IP65S
- Small footprint

### Fields of application

- Chemistry
- Synthetic organic chemistry
- Pharmacology
- Solvents for adhesives and glue
- Polymers & polymer coating
- Food technology research
- Detergents

### Hydraulic data

Flow rate	Dosing volume	Suction height	Max pressure
1 - 100 ml/min	1 - 999 ml	3 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	RCP 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
- Allowed ambient temperature +5 to +40° C
- Allowed liquid temperature +5 to +80° C
- Maximum viscosity allowed 150 cSt
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 24 W
- Protection class IP65
- Dimensions: 150 x 93 x 144 mm
- Weight: 0.9 kg
- Hydraulic connection: compression fittings for 4/6 mm tube

## ACCESSORIES

### Valves Kit

	ID-Nr.
Chemraz® special valves for certain chemicals	168037



Special Valves CHEMRAZ®

**Diaphragm pressure control valve with support** when the feeding tank is above the pump or to dose into vacuum

	ID-Nr.
Kit FDV 30 KTZ	166283
Kit FDV 30 TTZ	166284
Kit FDV 30 FTZ	166285



### Filter

Typ	Material	Connector	ID-Nr.
FS 25 T	PVDF	for tubes ID 3.2 and 4 mm	165211
FS 25 X	PEEK	for tubes ID 3.2 and 4 mm	165213



**Pulsation damper** only use in continuous transfer mode from 30 to 100 ml/min

	ID-Nr.
FPD 10 KT SIMDOS	167817
FPD 10 TT SIMDOS	167818
FPD 10 FT SIMDOS	167819



### 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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