

# DOSING PUMP FOR LIQUIDS

SIMDOS 10



- ▶ Simple and intuitive operation
- ▶ Easy calibration
- ▶ Adaptable to fluid characteristics
- ▶ Self priming, can run dry
- ▶ Analog and impulse control (RC)
- ▶ 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 <sup>1)</sup>
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

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

## 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

Chemraz®  
special valves for certain chemicals



Special Valves CHEMRAZ®

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

Kit FDV 30 KTZ  
Kit FDV 30 TTZ  
Kit FDV 30 FTZ



## Filter

Typ	Material <sup>1)</sup>	Connector
FS 25 T	PVDF	for tubes ID 3.2 and 4 mm
FS 25 X	PEEK	for tubes ID 3.2 and 4 mm

<sup>1)</sup> material for housing and filter mesh



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

FPD 10 KT SIMDOS  
FPD 10 TT SIMDOS  
FPD 10 FT SIMDOS



## Mounting plate

for wall mounting



## Standfitting

for retort stand



## Footswitch

for impulse start and stop



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