

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

1) * On request FFKM Chemraz[®] 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 • Same as RC • Plus RS 232

Technical data

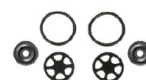
- Main supply 100–240 V / 50–60 Hz
- Ambient temperature allowed +5 to +40 °C
- Liquid temperature allowed +5 to +80 °C
- Maximum viscosity allowed 150 cSt
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 10 W
- Protection class IP65
- Dimensions: 150 x 93 x 144
- Weight: 0.9 kg
- Hydraulic connection UNF 1/4"-28

www.knf.com

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

Kit JFDV 30 KTZ
Kit JFDV 30 TTZ
Kit JFDV 30 FTZ



Filter

Typ	Material ¹⁾	Connector
FS 60 T	PVDF	UNF 1/4"-28
FS 60 X	PEEK	UNF 1/4"-28
FS 60 X	PEEK	UNF 1/4"-28

¹⁾ material for housing and filter mesh



Connection tube

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



Mounting plate

for wall mounting



Standfitting

for retort stand



Footswitch

for impulse start and stop



SIMDOS® is a registered trademark of KNF Flodos AG. All rights reserved.
DuPont™ Kalrez® is a registered trademark of E. I. du Pont de Nemours and company or one of its subsidiaries. All rights reserved.
Chemraz® is a registered trademark of Greene, Tweed & Co. All rights reserved.

www.knf.com

KNF Flodos AG, reserves the right to make technical changes- DB_SIMDOS02_EN_04_166377

