

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	PTFE covered	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
• Manual operation	• 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)	• 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

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	165212

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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KNF SALES ORGANIZATION

Australia KNF Regional Office

Moreland West VIC 3055
Tel. +61 3 9386 4959
info@knf.com.au
www.knf.com.au

Benelux Netherlands KNF Verder B.V.

3451 GG Vleuten
Tel. +31 30 677 92 40
info@knf-verder.nl
www.knf-verder.nl

Benelux Belgium and Luxemburg

KNF Verder N.V.
2630 Aartselaar
Tel. +32 3 871 96 24
info@knf.be
www.knf.be

China KNF Technology (Shanghai) Co., Ltd.

Shanghai 201203
Tel. +86 21 5109 9695
info@knf.com.cn
www.knf.com.cn

France KNF Neuberger SAS

68128 Village-Neuf
Tel. +33 389 70 35 00
info@knf.fr
www.knf.fr

Germany KNF Neuberger GmbH

79112 Freiburg
Tel. +49 7664 5909 0
info@knf.de
www.knf.de

India KNF Pumps + Systems (India) Pvt. Ltd.

Hinjewadi Pune 411 057
Tel. +91 20 640 13 923
info@knfpumps.in
www.knfpumps.in

Italy KNF Italia S.r.l.

20063 Cernusco s. Naviglio (MI)
Tel. +39 02 929 04 91
info@knf.it
www.knf.it

Japan KNF Japan Co. Ltd.

Tokyo 104-0033
Tel. +81 3 3551 7931
info@knf.co.jp
www.knf.co.jp

Korea KNF Neuberger Ltd.

135-502 Seoul
Tel. +82 2 959 0255
knf@knfkorea.com
www.knfkorea.com

Latin America KNF Regional Office

Tel. +1 609 649 1010
gb@knf.com
www.knf.com/es

Morocco, Tunisia, Algeria

KNF Neuberger SAS
68128 Village-Neuf
Tel. +33 389 70 35 00
info@knf.fr
www.knf.fr

Singapore KNF Regional Office

Tel. +65 9722 1994
info@knf.com.sg
www.knf.com.sg

Sweden, Finland, Denmark, Norway

KNF Neuberger AB
117 43 Stockholm
Tel. +46 8 744 51 13
info@knf.se
www.knf.se

Switzerland KNF Neuberger AG

8362 Balzerswil
Tel. +41 71 973 99 30
knf@knf.ch
www.knf.ch

UK, Ireland KNF Neuberger U.K., Ltd.

Witney, Oxfordshire OX28 4FA
Tel. +44 1993 77 83 73
info@knf.co.uk
www.knf.co.uk

USA, Canada KNF Neuberger, Inc.

Trenton, NJ 08691-1810
Tel. +1 609 890 8600
knfusa@knf.com
www.knfusa.com

KNF PRODUCT CENTERS

Gas Pumps KNF Neuberger GmbH

DE-79112 Freiburg
info@knf.de
www.knf.de

Micro Gas Pumps KNF Micro AG

CH-6260 Reiden
info@knf-micro.ch
www.knf-micro.ch

Liquid Pumps KNF Flodos AG

CH-6210 Sursee
info@knf-flodos.ch
www.knf-flodos.ch