

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 IP65
- ▷ 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 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

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

Functions

S Version	RC Version	RCP 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

<ul style="list-style-type: none"> • 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% 	<ul style="list-style-type: none"> • 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 ¹⁾	Connector	ID-Nr.
FS 25 T	PVDF	for tubes ID 3.2 and 4 mm	346935 (1 pc)
FS 25 T	PVDF	for tubes ID 3.2 and 4 mm	346936 (10 pcs)
FS 25 X	PEEK	for tubes ID 3.2 and 4 mm	346941 (1 pc)
FS 25 X	PEEK	for tubes ID 3.2 and 4 mm	346942 (10 pcs)



¹⁾ material for housing and filter mesh

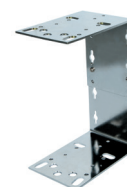
Pulsation damper only use in continuous transfer mode from 30 to 100 ml/min

	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



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.