DOSING PUMP FOR LIQUIDS

- ▷ 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[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
• 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
- 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

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	165211
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