



SIMDOS 02
FEM 1.02 KT.18RC



SIMDOS 10
FEM 1.10 KT.18RC

CHEMICAL-RESISTANT DIAPHRAGM DOSING PUMPS KNF SIMDOS®

the chemically-resistant, microprocessor-controlled SIMDOS diaphragm metering pumps meter the smallest volumes continuously and evenly. Thanks to a special drive technology, these pumps feature a remarkably wide metering range. A knob makes it easy to vary the pumping function.

- ▶ Intuitive operation
- ▶ Adaptable to fluid characteristics
- ▶ Analog and impulse control
 - ▶ Analog control: 0-10 V, 0-20 MA, 4-20 mA from 0 to 100 %
 - ▶ Start/Stop through logic control (TTL)
 - ▶ Reset/prime through logic control (TTL)
 - ▶ Output signal (i.e. the end of cycle)
- ▶ Pause function without data loss
- ▶ Chemically-resistant versions
- ▶ Self priming
- ▶ Dry running
- ▶ Low maintenance
- ▶ Easy calibration
- ▶ Small footprint
- ▶ Supplied with connection-Set (cable for external control and 2m hose)

Specification:

	SIMDOS 02	SIMDOS 10
Flow rate:	30 µl/min-20ml/min	1-100 ml/min
Dosing volume:	30 µl - 999 ml	1 - 999 ml (higher with time metered dosing volume)
Max. Pressure:		60 mWg (6 bar)
Suction height:	2 mWg	3 mWg
Hydraulic connection:	UNF 1/4"-28	4/6 mm
Time metering:		1s - 99h 59 min (manual)
Mains:		100-240 V 50/60 Hz
Permissible liquid temp.:		+5...+80°C
Permissible ambient temp.:		+5...+40°C
Max. viscosity allowed:		up to 150 cSt (reduced performance up to 500 cSt)
Repeatability:		± 1%
Motor protection:		IP65 (splash proof)
Weight:		0,9 kgs
Dimensions LxWxH mm:	150x93x144	134x93x144
PP Pump Head:		Suitable for aqueous solutions and bases
PVDF Pump Head:		Suitable for medium acid concentrations
PTFE Pump Head:		Suitable for high acid concentrations and solvents

Code

Description

KNF 166073/165467	KNF SIMDOS®02 Diaphragm Dosing Pump FEM 1.02 KT.18RC, Pump head: PP
KNF 166074/165467	KNF SIMDOS®02 Diaphragm Dosing Pump FEM 1.02 TT.18RC, Pump head: PVDF
KNF 164971/165467	KNF SIMDOS®02 Diaphragm Dosing Pump FEM 1.02 FT.18RC, Pump head: PTFE
KNF 159995/160157	KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 KT.18RC, Pump head: PP
KNF 159997/160157	KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 TT.18RC, Pump head: PVDF
KNF 159998/160157	KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 FT.18RC, Pump head: PTFE

Accessories:

Code

Description

KNF 155872	Footswitch Impuls
KNF 160473	Wall fixture
KNF 160474	Column fixture

Optional available KNF filters protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibres which can impede optimum operation.

