Chemically-resistant Diaphragm Dosing Pumps, KNF Neuberger



SIMDOS® dosing pumps

The chemically-resistant diaphragm metering pumps SIMDOS 02 and SIMDOS 10 meter the smallest volumes continuously and evenly. The reproducibility is ±1%. For both types, choose between PP, PVDF, or PTFE as pump head material. Valves and seals are always made of FFKM, the diaphragm is always PTFE coated.

The benefits of SIMDOS 02 and SIMDOS 10:
- Intuitive operation
- Easy calibration
- Adjustable to fluid characteristics
- Self priming, with dry-run protection
- Analog and impulse control (RC)
- Hose-proof housing IP65
- Small footprint

Both pumps are suitable for the following applications:
- Chemistry
- Organic, synthetic chemistry
- Pharmaceutics
- Adhesives and glues
- Polymeric coatings
- Food technology
- Cleaning agents and solvents

Both pumps are available with the following control versions:

S version
- Manual operation

RC version
- Analog control: 0-10 V, 0-20 mA, 4-20 mA, 0 to 100%
- Start/stop through logic control (TTL)
- Reset/prime through logic control(TTL)
- Output signal for error message
- Cable for external control



Technical data:

Pressure head:	6 bar ü
Power supply:	100 - 240 V / 50 - 60 Hz
Permissible ambient temperature:	+5 bis +40°C
Permissible fluid temperature:	+5 to +80°C
Max. viscosity allowed:	150 cSt
Reproducibility:	± 1%
Current consumption:	10 W
Degree of protection:	IP65
Dimensions:	140 x 87 x 130 mm
Weight:	0.9 kg
Hose connection SIMDOS 02:	UNF 1/4"-28
Hose connection SIMDOS 10:	UNF 1/4"-28
Hose:	4 mm I-Ø / 6 mm A-Ø

Article	Type	Pump head	Order No.
SIMDOS® 02	FEM 1.02 KT.18 S	PP	**10 62 71281**
SIMDOS® 02	FEM 1.02 TT.18 S	PVDF	**10 62 71282**
SIMDOS® 02	FEM 1.02 FT.18 S	PTFE	**10 62 71283**
SIMDOS® 02	FEM 1.02 KT.18 RC	PP	**10 62 71284**
SIMDOS® 02	FEM 1.02 TT.18 RC	PVDF	**10 62 71285**
SIMDOS® 02	FEM 1.02 FT.18 RC	PTFE	**10 62 71286**
SIMDOS® 10	FEM 1.10 KT.18 S	PP	**10 62 71181**
SIMDOS® 10	FEM 1.10 TT.18 S	PVDF	**10 62 71182**
SIMDOS® 10	FEM 1.10 FT.18 S	PTFE	**10 62 71183**
SIMDOS® 10	FEM 1.10 KT.18 RC	PP	**10 62 71184**
SIMDOS® 10	FEM 1.10 TT.18 RC	PVDF	**10 62 71185**
SIMDOS® 10	FEM 1.10 FT.18 RC	PTFE	**10 62 71186**