

SIMDOS[®] 02

For fine dosing and metering



- Simple and intuitive operation
- Easy calibration
- Cycle mode
- Adaptable to fluid characteristics
- Self priming, can run dry
- Various control options
- Splashproof IP65, small footprint

Fields of application

- Chemistry
- Synthetic organic chemistry
- Pharmaceutical
- 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	6.6 ft. water	85 psig

Pump type

Code	Pump head	Diaphragm	Valves	Filter (1pc. included)	Tubing (2pc. included)
KT	PP	PTFE covered	FFKM Kalrez [®]	165212	166329
TT	PVDF	PTFE covered	FFKM Kalrez [®]	165210	166329
FT	PTFE	PTFE covered	FFKM Kalrez [®] *	165212	166329
ST	STAINLESS STEEL	PTFE covered	FFKM Kalrez [®]	165212	166329

* On request FFKM Chemraz[®]

Control type

S - Version	RC - Version	RC Plus - 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 • RC cable for external control included
		<ul style="list-style-type: none"> • Same as RC • RS 232 port for PC control • RS 232 cable with D-Sub 9 connector included

Technical data

- Main supply 100–240 V / 50–60 Hz
- Ambient temperature allowed +5 to +40 °C
- Liquid temperature allowed +5 to +80 °C
- Viscosity settings up to 500 cSt**
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 10 W
- Protection class IP65
- Dimensions: 150 H x 93 W x 144 D mm
- Weight: 0.9 kg
- UNF 1/4"-28 threaded ports
- Supplied with 1/8" OD x 1/16" ID tubing; other options available

** Reduced flow rate above 150 cSt

Model Numbers: FEM 1.02___.18 *Example: FEM 1.02KT.18RCP*
 Code: KT, TT, FT, or ST
 Control: S, RC, or RCP