

SIMDOS[®] 10

Dosing pump for liquids



- 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
- Pharmacy
- 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	9.8 ft. water	85 psig

Pump type

Code	Pump head	Diaphragm	Valves	Filter (1pc. included)	Tubing (2pc. included)
KT	PP	PTFE covered	FFKM Kalrez [®]	165213	160269
TT	PVDF	PTFE covered	FFKM Kalrez [®]	165211	160269
FT	PTFE	PTFE covered	FFKM Kalrez [®] *	165213	160271
ST	STAINLESS STEEL	PTFE covered	FFKM Kalrez [®]	165213	160271

* On request FFKM Chemraz[®]

Control type

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 • 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
- Allowed ambient temperature +5 to +40° C
- Allowed liquid temperature +5 to +80° C
- Viscosity settings up to 500 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
- Supplied with 1/4" OD x 1/8" ID x 2 M tubing and compression fittings
- Filter

** Reduced flow rate above 150 cSt

Model Numbers: UFEM 1.10___.18 *Example: UFEM 1.10TT.18RC*
 Code: KT, TT, FT, or ST
 Control: S, or RC