

SIMDOS® 10

METERING AND DOSING LIQUID PUMP



- 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

Metering 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

S2 - Version	RC2 - Version	RC Plus 2 - 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 ■ Same as RC2 ■ 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 H x 93 W x 144 D 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.18RC2*

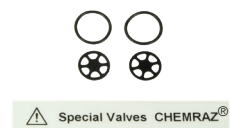
Code: KT, TT, FT, or ST

Control: S2, RC2, or RCP2

See page 9 for a list of all model numbers.

ACCESSORIES

VALVES KIT	
	ID-Nr.
FFKM 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 UFDV 30 KTZ for SIMDOS® 10 KT	167598
Kit UFDV 30 TTZ for SIMDOS® 10 TT	167599
Kit UFDV 30 FTZ for SIMDOS® 10 FT, ST	167600



FILTER					
Type	Porosity	Material	Connector	FOR	ID-Nr.
FS 25 T	70 µm	PVDF	for 1/4" OD x 1/8" ID tubing	TT	165211
FS 25 X	35 µm	PEEK	for 1/4" OD x 1/8" ID tubing	FT, KT, ST	165213



PULSATION DAMPER (placed on pump outlet for smoother flow)	
	ID-Nr.
UFPD 10 KT for SIMDOS® 10 KT	167821
UFPD 10 TT for SIMDOS® 10 TT	167822
UFPD 10 FT for SIMDOS® 10 FT, ST	167823



MOUNTING PLATE	
	ID-Nr.
For wall mounting	160473



STANDFITTING	
	ID-Nr.
For retort stand	160474



USB-SERIAL CONVERTER (for SIMDOS® RC Plus 2)	
	ID-Nr.
	166949



FOOTSWITCH	
	ID-Nr.
For impulse start and stop	155872

