

Micro Pumps

uf-3000 FB2 Series

uf-3000FB2 series is the plunger type pump directly driven by micro stepping motor by means of ball screw. Strong acid can be pumped since the liquid contact parts are made of fluorine resin, sapphire, ruby and alumina. With the pressure sensor, drain valve and pulse damper built in, the micro pump will provide a stable liquid feeding with minimized pulsation in constant flow rate or constant pressure mode.

Specifications :

Model	uf-3001FSWB2	uf-3005FSB2	uf-3010FSB2	uf-3020FSB2	uf-3040FSB2	uf-3080FAB2
General Application	Analytical		Analytical & preparative works	Middle pressure preparative works		
Feed Method	Stepping motor and ball screw driven, dual plunger					
Mode	Constant flow rate & constant pressure flow					
Flow rate mL/min	0.001 – 0.999 0.001 step	0.01 – 5.00 0.01 step	0.01 – 9.99 0.01 step	0.1 – 20.0 0.1 step	0.1 – 40.0 0.1 step	0.1 – 80.0 0.1 step
Accuracy	+/- 2% (0.1 mL/min -)	+/- 2% (0.3 mL/min -)		+/- 3%		
Reproducibility	0.2% or less (0.1 mL/min)	0.2% or less (1 mL/min)		1% or less (10 mL/min)		
Volume/Stroke (μL)	31.6	63.3	135	308	570	1230
Setting Pressure Range (MPa)	0.1 – 9.9 0.1 step			0.1 - 5.0 0.1 step	0.1 – 3.0 0.1 step	0.1 - 1.2 0.1 step
Liquid Contact Parts	3F, Sapphire, Ruby, Teflon, ETFE					3F, Alumina, Sapphire, Ruby, Teflon, ETFE
Inner Cleaning of Plunger Seal	Available					
Input/Output	Through DC voltage, external input of flow rate and pressure settings, Pump RUN/STOP input, Pressure limiter reset input, Pressure monitor output, Pump RUN output, Pressure limiter output					
Dimensions	105 (W) x 170 (H) x 375 (D) mm / 4.2 (W) x 6.7 (H) x 14.8 (D) in.					
Weight	5 kg, 11 lb					
Power Supply	AC 100, 120, 220, 240V, 50/60 Hz, 2A					
Ambient Temperature	4 – 35 degrees C (without dew condensation)					

The specifications are subject to change without prior notice.

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