

**Micro Pumps**

**uf-4000 FB2 Series**

uf-4000FB2 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.

**Specifications :**

Model	uf-4001FSWB2	uf-4005FSB2	uf-4010FSB2	uf-4020FSB2	uf-4040FSB2	uf-4080FAB2
General Application	Analytical		Analytical & preparative works	Middle pressure preparative works		
Feed Method	Stepping motor and ball screw driven, dual plunger					
Mode	Constant flow rate					
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
Max. Output Pressure (MPa)	10			5	3	1.2
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 settings, Pump RUN/STOP input, Pump RUN output					
Dimensions	105 (W) x 170 (H) x 370 (D) mm / 4.2 (W) x 6.7 (H) x 14.6 (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.*

(14.May 2003)