

Micro Pumps

uf-4000 B2 Series

uf-4000B2 series is the plunger type pump directly driven by micro stepping motor by means of ball screw.

Specifications :

Model	4001SZWB2	4001PSWB2	4005SZB2	4005PSB2	4010SZB2	4010PSB2
General Application	Analytical				Analytical & preparative works	
Feed Method	Stepping motor and ball screw driven, dual plunger					
Mode	Constant flow rate 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	
Accuracy	+/- 2% (0.1 mL/min -)		+/- 2% (0.3 mL/min -)			
Reproducibility	0.2% or less (0.1 mL/min)		0.2% or less (1 mL/min)			
Volume/Stroke (µL)	31.6		63.3		135	
Max. Output Pressure (MPa)	20					15
Liquid Contact Parts	NB 1	NB 2	NB 1	NB 2	NB 1	NB 2
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)					

Model	4020SZB2	4020PSB2	4040SZB2	4040PSB2	4080SAB2	4080PAB2
General Application	Middle pressure preparative works					
Feed Method	Stepping motor and ball screw driven, dual plunger					
Mode	Constant flow rate flow					
Flow rate mL/min	0.1 – 20.0, 0.1 step		0.1 – 40.0, 0.1 step		0.1 – 80.0, 0.1 step	
Accuracy	+/- 3%					
Reproducibility	1% or less (10 mL/min)					
Volume/Stroke (µL)	308		570		1,230	
Max. Output Pressure (MPa)	8	5	4	3	1.5	1.2
Liquid Contact Parts	NB 1	NB 2	NB 1	NB 2	NB 3	NB 4
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)					

NB 1) SUS316, Zirconia, PEEK, Sapphire, Ruby, Teflon, ETFE

NB 2) PEEK, Sapphire, Ruby, Teflon, ETFE

NB 3) SUS316, Alumina, PEEK, Sapphire, Ruby, Teflon, ETFE

NB 4) PEEK, Alumina, Sapphire, Ruby, Teflon, ETFE

The specifications are subject to change without prior notice.

(14.May 2003)