

Z-Series Pump - 1000 μ L (Cat# 843)

Pump Type	Air displacement syringe pump
Step Resolution	1.527 μ L/full step .763 μ L/half step
Performance (at full volume)	
Accuracy	3%
Precision	1%
Dimensions	
Overall Length	5.14" (130.56mm) with Tip Adapter
Motor Height	1.42" (36.07mm)
Flange Diameter	1.84" (46.73mm)
Major Body Diameter	.75" (19.05mm)
Minor Body Diameter	.63" (16.00mm)
Weight	2.79oz (79g)
Syringe Data	
Bore	.3441" (8.74mm)
Stroke	.709" (18.00mm)
Tip	1000 μ L, TCS Cat# 10001
Tip adapter interface	¼ - 28 UNF, male thread with size 009 Viton® o-ring
Motor/Leadscrew Data	
Travel/Step	.001" (0.0254mm) per full step .0005" (.0127mm) per half step
Resistance/phase	14.7 Ω
Inductance/phase	8.5mH
Rated current	.34 A
Rated voltage	5.0 V*

*Pump should typically be driven with a 24 Vdc bipolar chopper drive, ½ step, at rated current. Higher voltage may be required at higher step rates.

1000 μ L ENVELOPE AND MOUNTING DRAWING

