

Example Flow Rates BS-8000:

Syringe Size	Maximum Rate	Minimum Rate
0.5 μ L	25.49 μ L/hr	0.001 μ L/hr
1 mL	52.86 mL/hr	0.727 μ L/hr
3 mL	223.8 mL/hr	3.076 μ L/hr
5 mL	372.5 mL/hr	5.119 μ L/hr
10 mL	607.6 mL/hr	8.349 μ L/hr
20 mL	966.2 mL/hr	13.28 μ L/hr
30 mL	1260 mL/hr	17.32 μ L/hr
60 mL	2120 mL/hr	29.1 μ L/hr
140 mL	3470 mL/hr	47.7 μ L/hr

High pressure notes:

The BS-000 produces about 15 lbs of linear force at top speed and about 35 lbs at slow speeds. 10 mL/hr is an example of slow speed. The pressure that can be generated is relative to the syringe size. On a 60 mL syringe, this would roughly produce about 30 psi.

The high pressure version, BS-8000-1010, will approximately double the pumping force at the same speeds.

Example Flow Rates BS-8000-1010 Higher Pressure Variant Motor Upgrade:

Syringe Size	Maximum Rate	Minimum Rate
0.5 μ L	91.83 μ L/hr	0.001 μ L/hr
1 mL	190.4 mL/hr	1.453 μ L/hr
3 mL	806.1 mL/hr	6.151 μ L/hr
5 mL	1341 mL/hr	10.24 μ L/hr
10 mL	2188 mL/hr	16.7 μ L/hr
20 mL	3479 mL/hr	26.55 μ L/hr
30 mL	4539 mL/hr	34.64 μ L/hr
60 mL	7635 mL/hr	58.3 μ L/hr

P.O. Box 850498
Braintree MA 02185
www.braintresci.com

Phone (781) 917-9526
Fax (978) 244-8917
info@braintresci.com