

Example Flow Rates BS-8000:

Syringe Size	Maximum Rate	Minimum Rate
0.5 µL	25.49 µL/hr	0.001 µL/hr
1 mL	52.86 mL/hr	0.727 µL/hr
3 mL	223.8 mL/hr	3.076 µL/hr
5 mL	372.5 mL/hr	5.119 µL/hr
10 mL	607.6 mL/hr	8.349 µL/hr
20 mL	966.2 mL/hr	13.28 µL/hr
30 mL	1260 mL/hr	17.32 µL/hr
60 mL	2120 mL/hr	29.1 µL/hr
140 mL	3470 mL/hr	47.7 µL/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 µL	91.83 µL/hr	0.001 µL/hr
1 mL	190.4 mL/hr	1.453 µL/hr
3 mL	806.1 mL/hr	6.151 µL/hr
5 mL	1341 mL/hr	10.24 µL/hr
10 mL	2188 mL/hr	16.7 µL/hr
20 mL	3479 mL/hr	26.55 µL/hr
30 mL	4539 mL/hr	34.64 µL/hr
60 mL	7635 mL/hr	58.3 µL/hr

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