

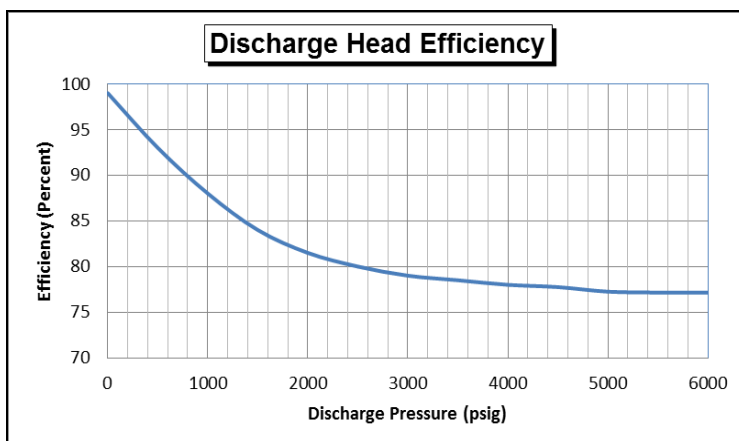


BR5000

Pneumatically Operated Chemical Injection Pump

	PLUNGER SIZE					
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Standard Model						
Model Number	BR5001	BR5003	BR5005	BR5006	BR5007	BR5008
Maximum Discharge Pressure (psig)	3000	3000	3000	3000	3000	2000
High Pressure Model						
Model Number	BR5011	BR5013	BR5015	BR5016	BR5017	BR5018
Maximum Discharge Pressure ¹ (psig)	12000	12000	10000	5000	3000	2000
Maximum Volume						
Continuous Service						
Maximum Recommended Speed (Strokes/Minute)	60	60	60	60	60	60
Hourly @ 0 psig Discharge Pressure						
Maximum Volume (litres/hour)	3.58	8.06	14.33	32.25	57.33	89.59
Maximum Volume (imp gal/hour)	0.78	1.77	3.15	7.09	12.61	19.71
Maximum Volume (US gal/hour)	0.94	2.13	3.78	8.52	15.14	23.67
Daily @ 0 psig Discharge Pressure						
Maximum Volume (litres/day)	86.0	193.5	344.0	774.0	1376.1	2150.1
Maximum Volume (imp gal/day)	18.9	42.5	75.6	170.2	302.7	472.9
Maximum Volume (US gal/day)	22.7	51.0	90.8	204.4	363.5	568.0
Daily @ 1000 psig Discharge Pressure						
Maximum Volume (litres/day)	76.4	172.0	305.8	688.0	1223.2	1911.2
Maximum Volume (imp gal/day)	16.8	37.8	67.2	151.3	269.0	420.4
Maximum Volume (US gal/day)	20.2	45.4	80.7	181.7	323.1	504.9
Daily @ 3000 psig Discharge Pressure						
Maximum Volume (litres/day)	68.6	154.4	274.5	617.6	1098.1	n/a
Maximum Volume (imp gal/day)	15.1	34.0	60.4	135.8	241.5	n/a
Maximum Volume (US gal/day)	18.1	40.8	72.5	163.1	290.1	n/a
Intermittent Service						
Maximum Recommended Speed (Strokes/Minute)	75	75	75	75	75	75
Hourly @ 0 psig Discharge Pressure						
Maximum Volume (litres/hour)	4.50	10.09	17.91	40.32	71.69	111.97
Maximum Volume (imp gal/hour)	0.99	2.22	3.94	8.87	15.77	24.63
Maximum Volume (US gal/hour)	1.18	2.66	4.73	10.65	18.93	29.58

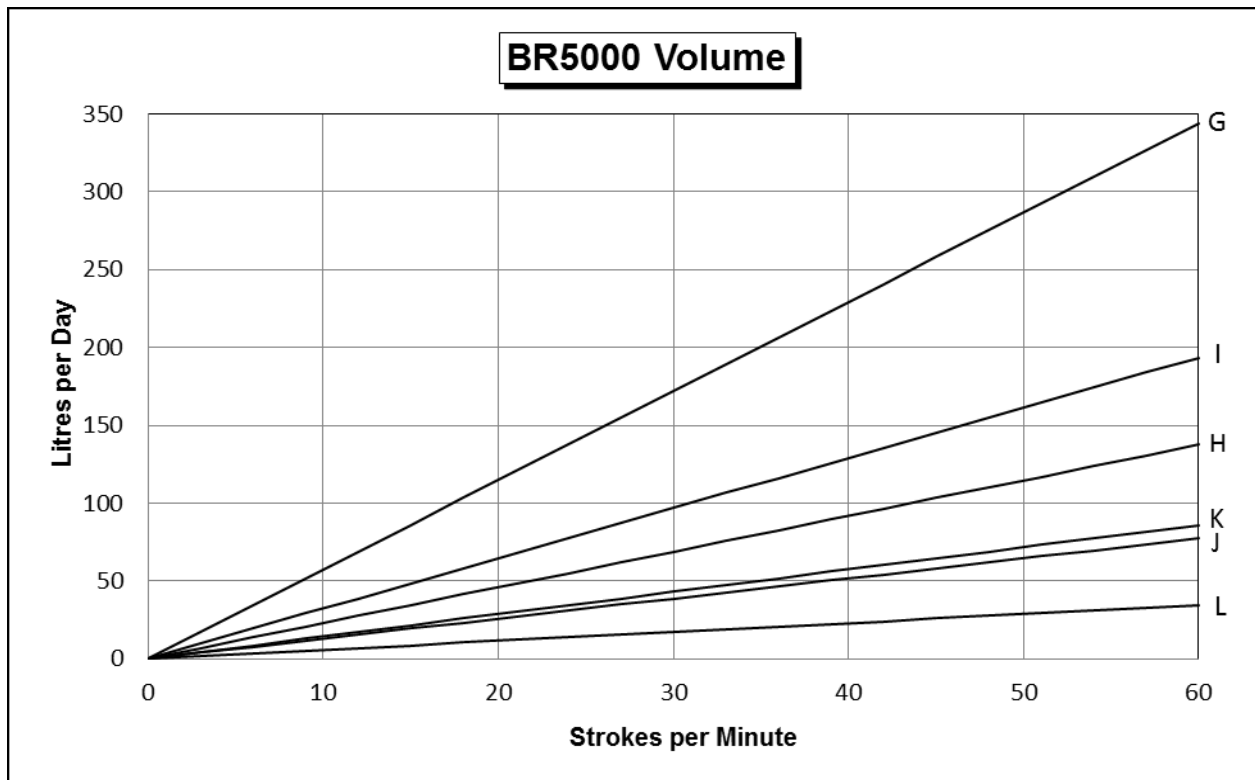
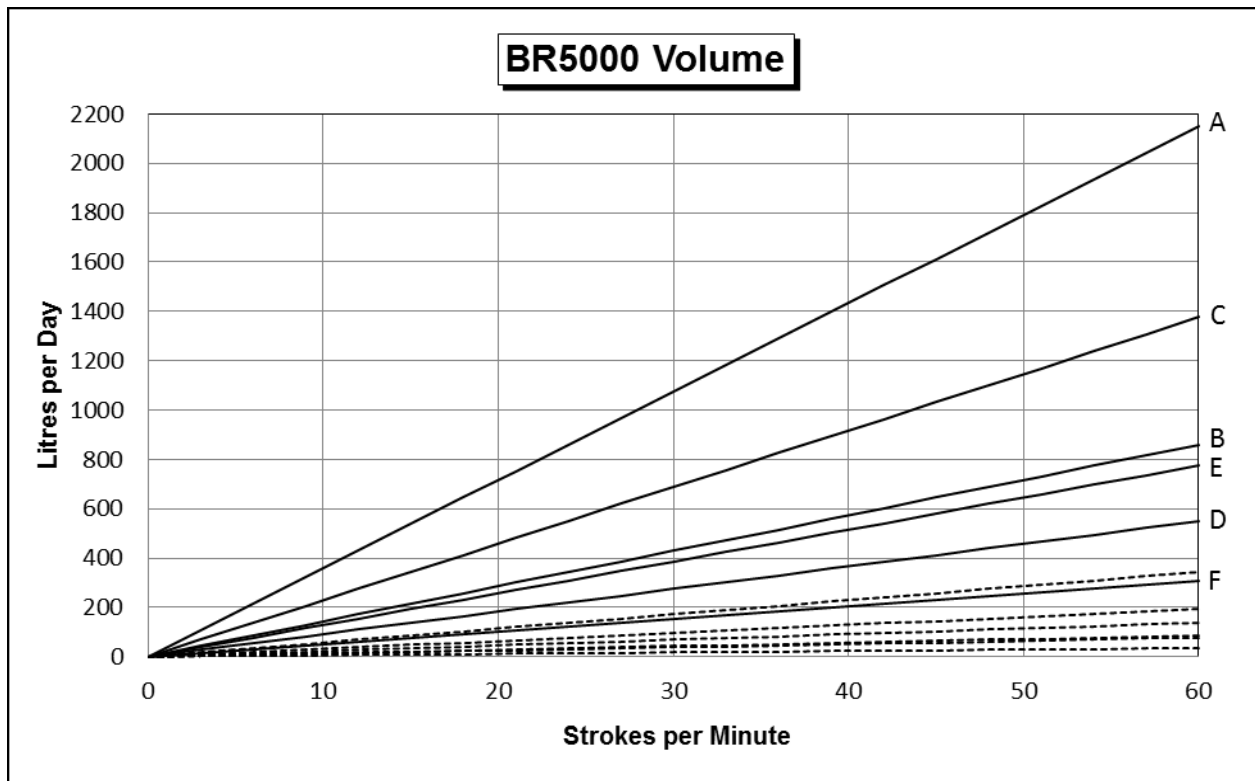
1. Maximum Discharge Pressure above 3000 psig requires Buna Hard Packing.



NOTE: With an increase in discharge pressure, the volumetric pumping efficiency of the pump head decreases as shown in the graph.

EXAMPLE: A 3/8" plunger will provide approximately 42.5 imperial gallons per day (99% efficiency) maximum at 0 psig discharge pressure running at 60 strokes per minute. If the discharge pressure increases to 1000 psig, the pump runs at approximately 88% efficiency, so the maximum volume is reduced to 37.8 imperial gallons per day running at 60 strokes per minute.

NOTE: Discharge head efficiency is theoretically determined based on testing and may vary between applications and assemblies.



NOTE: Volumes based on 0 psig Discharge Pressure.

- A** - 1 1/4" Plunger, Full (1 1/4") Stroke
- B** - 1 1/4" Plunger, Short (1/2") Stroke
- C** - 1" Plunger, Full (1 1/4") Stroke
- D** - 1" Plunger, Short (1/2") Stroke
- E** - 3/4" Plunger, Full (1 1/4") Stroke
- F** - 3/4" Plunger, Short (1/2") Stroke

- G** - 1/2" Plunger, Full (1 1/4") Stroke
- H** - 1/2" Plunger, Short (1/2") Stroke
- I** - 3/8" Plunger, Full (1 1/4") Stroke
- J** - 3/8" Plunger, Short (1/2") Stroke
- K** - 1/4" Plunger, Full (1 1/4") Stroke
- L** - 1/4" Plunger, Short (1/2") Stroke