

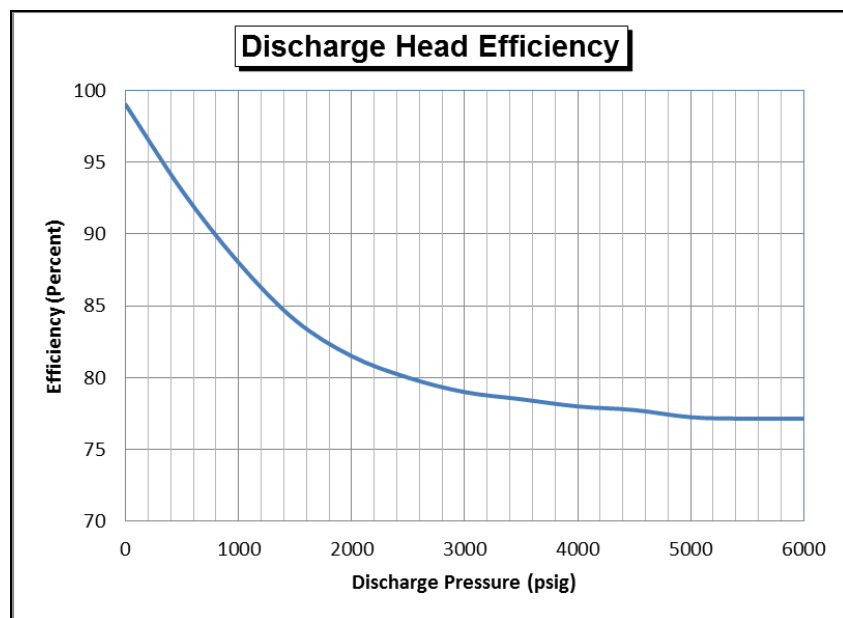


# BR5100

## Pneumatically Operated Chemical Injection Pump

	PLUNGER SIZE			
	3/16"	1/4"	3/8"	1/2"
<b>Standard Model</b>				
Model Number	<b>BR5104</b>	<b>BR5101</b>	<b>BR5103</b>	<b>BR5105</b>
Maximum Discharge Pressure (psig)	3000	3000	3000	3000
Max. Recommended Speed (Strokes/Min) @ 0-1500 psig Discharge Pressure	30	30	30	30
<b>High Pressure Model</b>				
Model Number	<b>BR5114</b>	<b>BR5111</b>	<b>BR5113</b>	<b>BR5115</b>
Maximum Discharge Pressure <sup>1</sup> (psig)	6000	6000	6000	3500
Max. Recommended Speed (Strokes/Min) above 1500 psig Discharge Pressure	28	28	28	28
<b>Maximum Volume</b>				
<b>Daily @ 0 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	19.3	34.4	77.4	137.6
Maximum Volume (imp gal/day)	4.2	7.5	17.0	30.2
Maximum Volume (US gal/day)	5.1	9.1	20.4	36.3
<b>Daily @ 1000 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	17.2	30.5	68.8	122.3
Maximum Volume (imp gal/day)	3.7	6.7	15.1	26.9
Maximum Volume (US gal/day)	4.5	8.0	18.1	32.3
<b>Daily @ 3000 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	14.4	25.6	57.6	102.5
Maximum Volume (imp gal/day)	3.1	5.6	12.6	22.5
Maximum Volume (US gal/day)	3.8	6.7	15.2	27.0

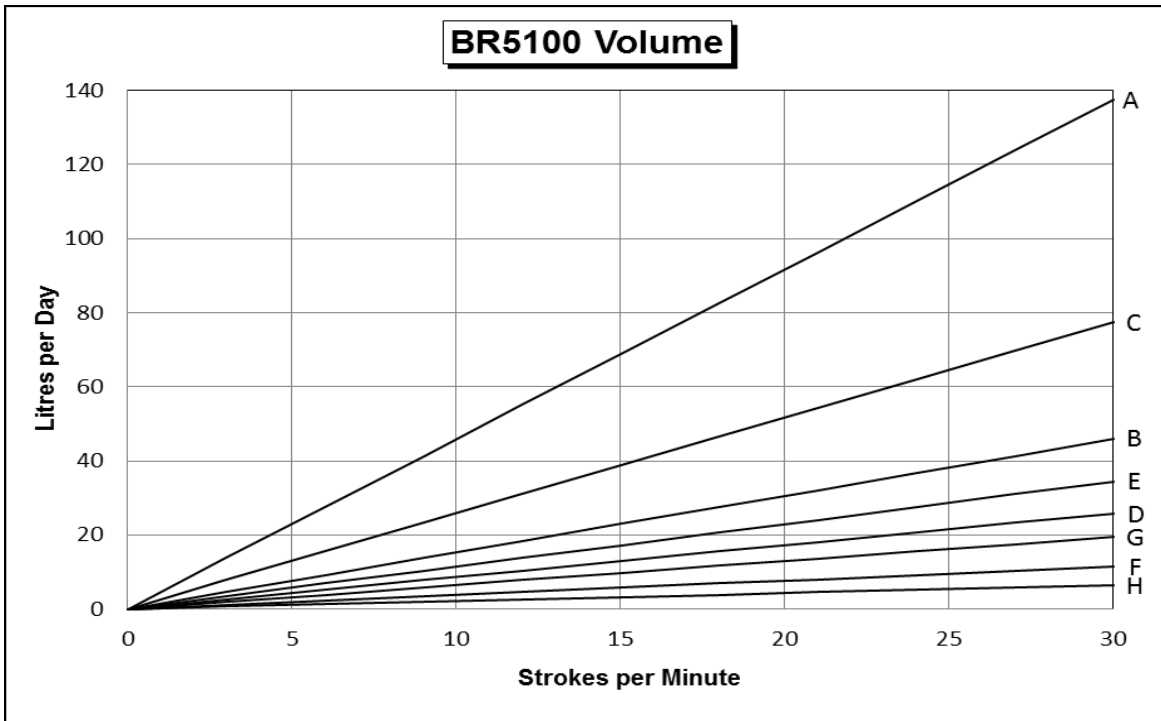
1. Maximum Discharge Pressure above 3000 psig requires Buna Hard Packing.



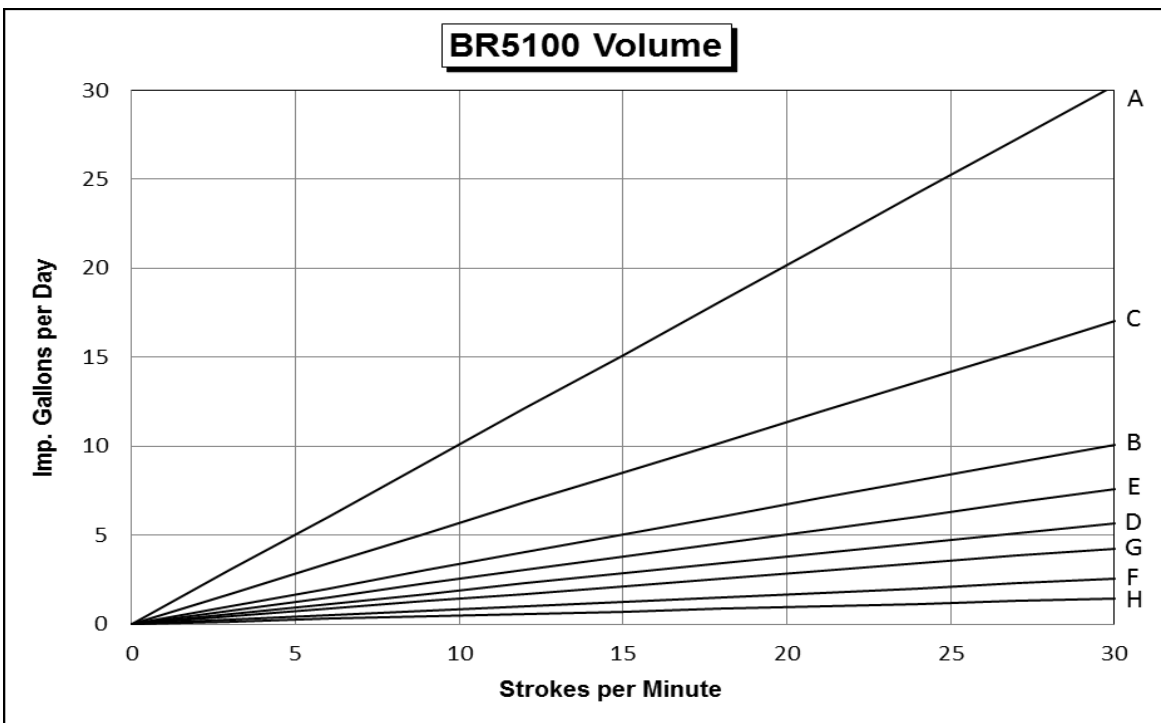
**NOTE:** With an increase in discharge pressure, the volumetric pumping efficiency of the pump head decreases as shown in the graph.

**EXAMPLE:** A 3/8" plunger will provide approximately 17.0 imperial gallons per day (99% efficiency) maximum at 0 psig discharge pressure running at 30 spm. If the discharge pressure increases to 1000 psig, the pump runs at approximately 88% efficiency, so the maximum volume is reduced to 15.1 imperial gallons per day running at 30 spm.

**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.



**NOTE:** Volumes based on 0 psig Discharge Pressure.

- A** - 1/2" Plunger, Full (1") Stroke
- B** - 1/2" Plunger, 1/3 Stroke
- C** - 3/8" Plunger, Full (1") Stroke
- D** - 3/8" Plunger, 1/3 Stroke

- E** - 1/4" Plunger, Full (1") Stroke
- F** - 1/4" Plunger, 1/3 Stroke
- G** - 3/16" Plunger, Full (1") Stroke
- H** - 3/16" Plunger, 1/3 Stroke