

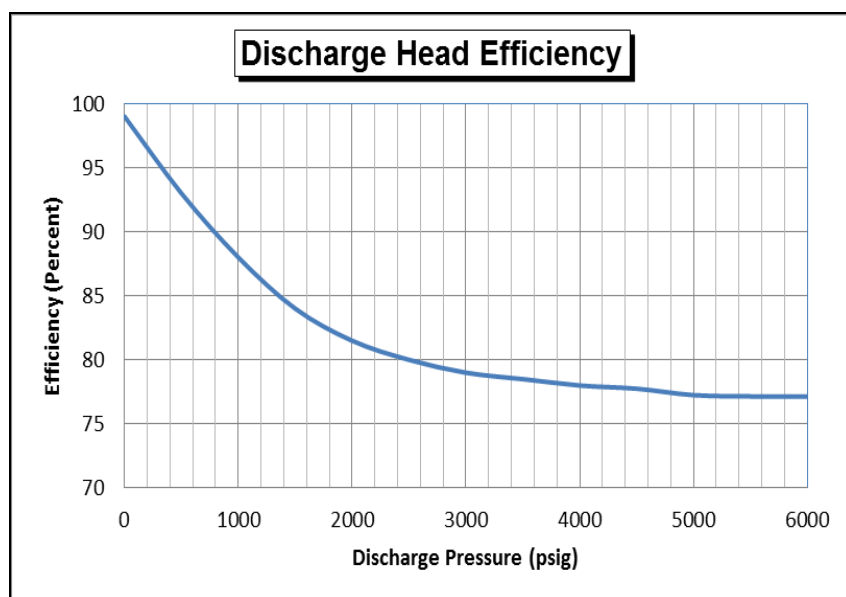


# BRX3

## Pneumatically Operated Chemical Injection Pump

	PLUNGER SIZE			
	3/16"	1/4"	3/8"	1/2"
<b>Standard Model</b>				
Model Number	<b>BRX304</b>	<b>BRX301</b>	<b>BRX303</b>	<b>BRX305</b>
Maximum Discharge Pressure (psig)	3000	3000	3000	3000
Max. Recommended Speed (Strokes/Min) @ 0-1500 psig Discharge Pressure	60	60	60	60
<b>High Pressure Model</b>				
Model Number	<b>BRX314</b>	<b>BRX311</b>	<b>BRX313</b>	<b>BRX315</b>
Maximum Discharge Pressure <sup>1</sup> (psig)	6000	6000	6000	3500
Max. Recommended Speed (Strokes/Min) above 1500 psig Discharge Pressure	45	45	45	45
<b>Maximum Volume</b>				
<b>Daily @ 0 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	38.7	68.8	154.8	275.2
Maximum Volume (imp gal/day)	8.5	15.1	34.0	60.5
Maximum Volume (US gal/day)	10.2	18.1	40.9	72.7
<b>Daily @ 1000 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	34.4	61.1	137.6	244.6
Maximum Volume (imp gal/day)	7.5	13.4	30.2	53.8
Maximum Volume (US gal/day)	9.1	16.1	36.3	64.6
<b>Daily @ 3000 psig Discharge Pressure</b>				
Maximum Volume (litres/day)	23.1	41.1	92.6	164.7
Maximum Volume (imp gal/day)	5.1	9.0	20.3	36.2
Maximum Volume (US gal/day)	6.1	10.8	24.4	43.5

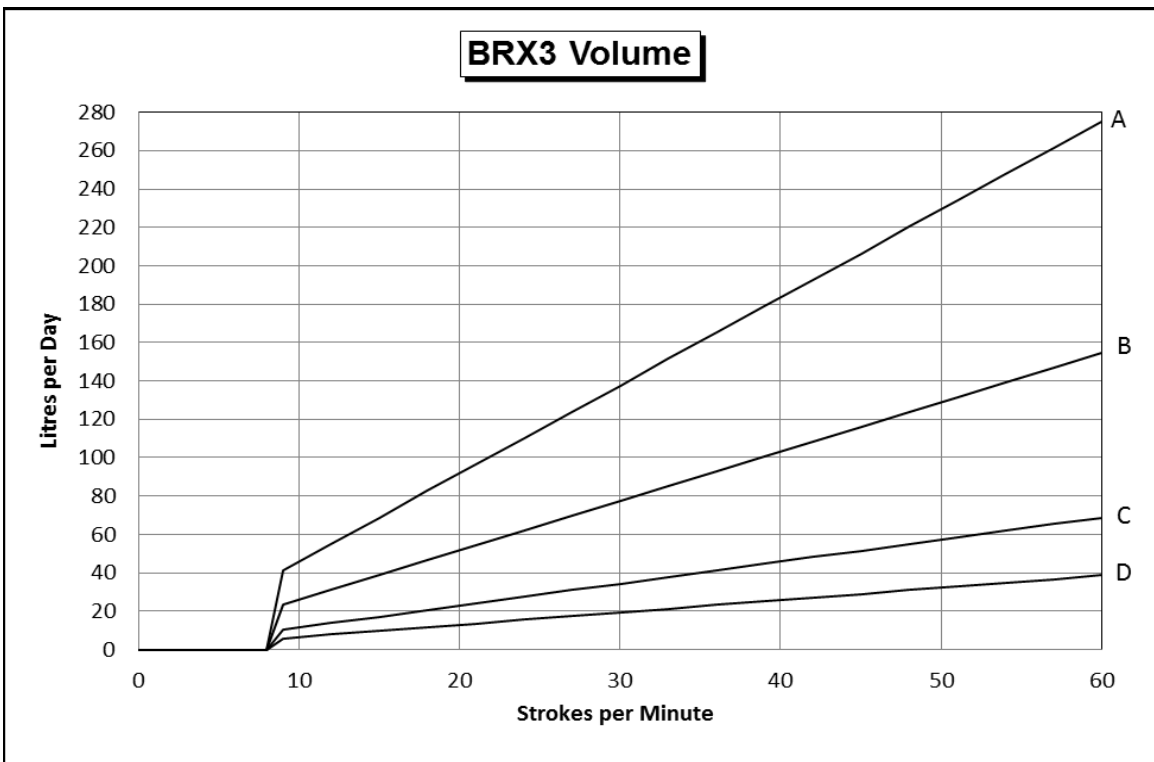
1. Maximum Discharge Pressure above 3000 psig requires Buna Hard Packing.



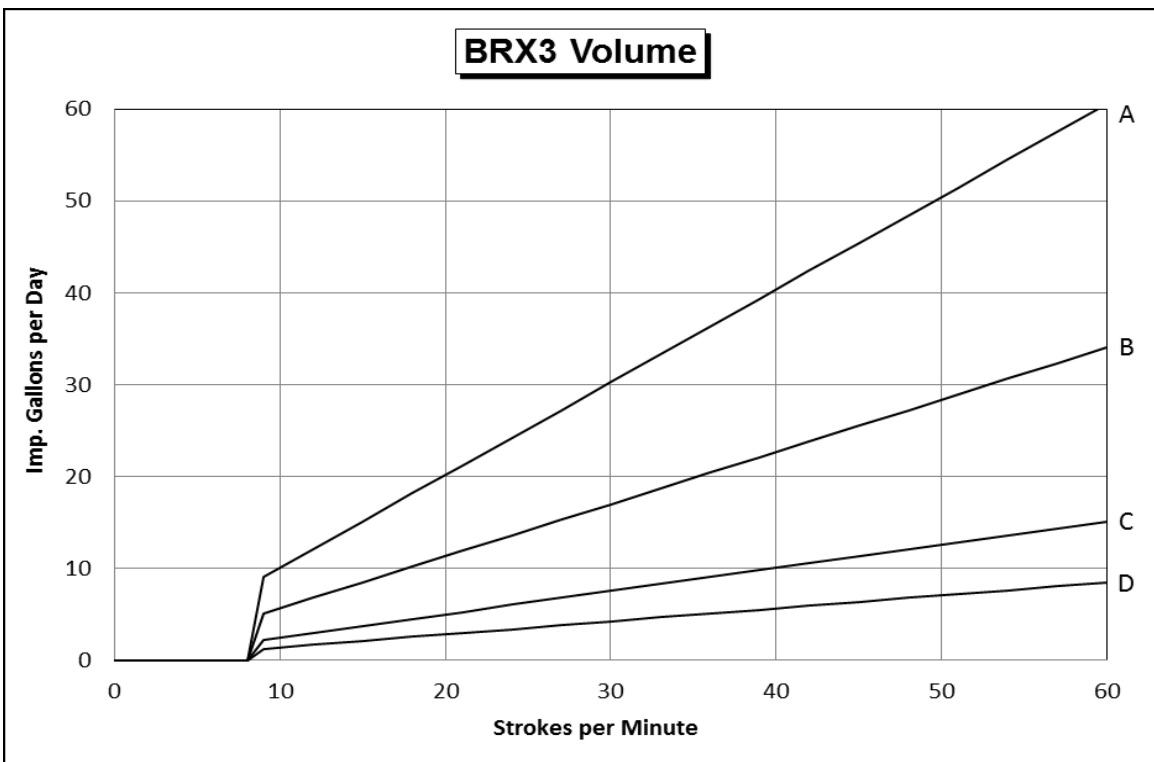
**NOTE:** With an increase in discharge pressure, the volumetric pumping efficiency of the pump head decreases as shown in the graph.

**EXAMPLE:** A 3/8" plunger will provide approximately 34.0 imperial gallons per day (99% efficiency) maximum at 0 psig discharge pressure running at 60 spm. If the discharge pressure increases to 1000 psig, the pump runs at approximately 88% efficiency, so the maximum volume is reduced to 30.2 imperial gallons per day running at 60 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 with a Full Stroke.  
**NOTE:** Volumes are per head.



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**A** - 1/2" Plunger  
**B** - 3/8" Plunger

**C** - 1/4" Plunger  
**D** - 3/16" Plunger