



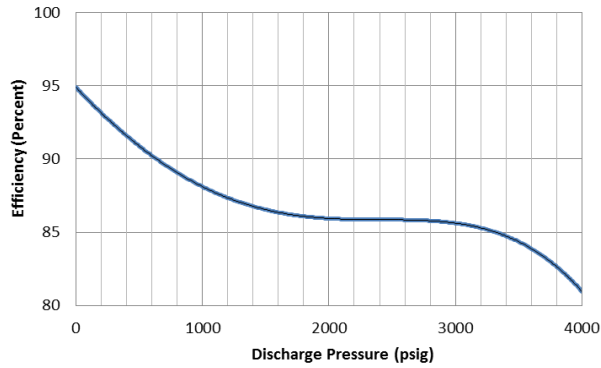
BR2400

Electric Driven Chemical Injection Pump

	PLUNGER SIZE					
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Stroke Speed – 60 SPM						
Model Number	BR24F1	BR24F3	BR24F5	BR24F6	BR24F7	BR24F8
Maximum Discharge Pressure ¹ (psig)	7500	5500	4000	1750	1000	500
Daily @ 0 psig Discharge Pressure						
Simplex						
Maximum Volume (litres/day)	133	299	532	1200	2132	3332
Maximum Volume (imp gal/day)	29	65	116	264	468	732
Maximum Volume (US gal/day)	35	79	140	316	562	880
Duplex						
Maximum Volume (litres/day)	266	598	1064	2400	4264	6664
Maximum Volume (imp gal/day)	58	130	232	528	936	1464
Maximum Volume (US gal/day)	70	158	280	632	1124	1760
Daily @ 1000 psig Discharge Pressure						
Simplex						
Maximum Volume (litres/day)	123	277	494	1111	1976	n/a
Maximum Volume (imp gal/day)	27	61	108	244	434	n/a
Maximum Volume (US gal/day)	32	73	130	293	522	n/a
Duplex						
Maximum Volume (litres/day)	246	554	988	2222	3952	n/a
Maximum Volume (imp gal/day)	54	122	216	488	868	n/a
Maximum Volume (US gal/day)	64	146	260	586	1044	n/a
Stroke Speed – 30 SPM						
Model Number	BR24G1	BR24G3	BR24G5	BR24G6	BR24G7	BR24G8
Maximum Discharge Pressure ¹ (psig)	7500	5500	4000	1750	1000	500
Daily @ 0 psig Discharge Pressure						
Simplex						
Maximum Volume (litres/day)	69	156	266	600	1066	1666
Maximum Volume (imp gal/day)	15	34	58	132	234	366
Maximum Volume (US gal/day)	18	41	70	158	281	440
Duplex						
Maximum Volume (litres/day)	138	312	532	1200	2132	3332
Maximum Volume (imp gal/day)	30	68	116	264	468	732
Maximum Volume (US gal/day)	36	82	140	316	562	880
Daily @ 1000 psig Discharge Pressure						
Simplex						
Maximum Volume (litres/day)	64	144	247	555	988	n/a
Maximum Volume (imp gal/day)	14	31	54	122	217	n/a
Maximum Volume (US gal/day)	17	38	65	146	261	n/a
Duplex						
Maximum Volume (litres/day)	128	288	494	1111	1976	n/a
Maximum Volume (imp gal/day)	28	62	108	244	434	n/a
Maximum Volume (US gal/day)	34	76	130	293	522	n/a

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

Discharge Head Efficiency

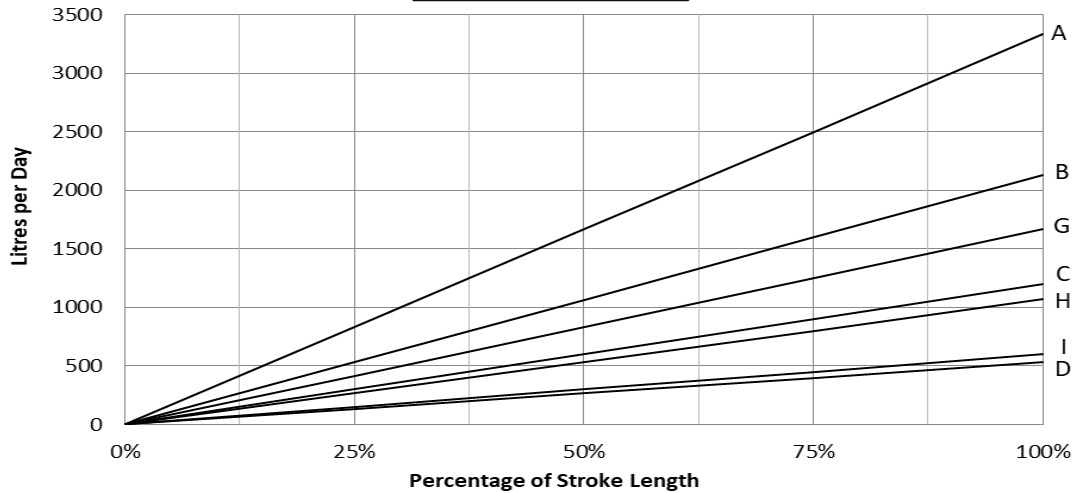


NOTE: With an increase in discharge pressure, the volumetric pumping efficiency of the pump head decreases as shown in the graph.

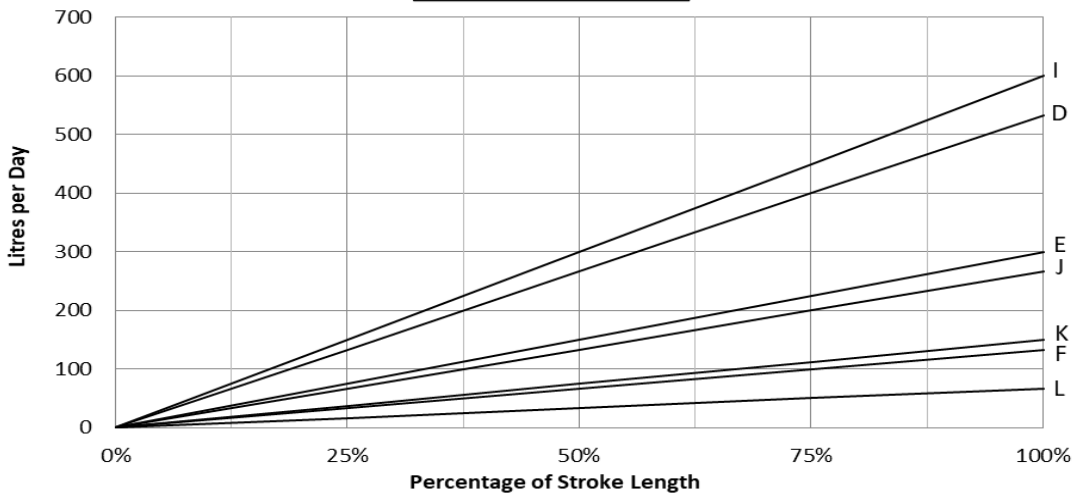
EXAMPLE: A 3/4" plunger will provide approximately 264 imperial gallons per day (95% efficiency) maximum at 0 psig discharge pressure with a 60 stroke per minute gearbox. If the discharge pressure increases to 1000 psig, the pump runs at approximately 88% efficiency, so the maximum volume is reduced to 244 imperial gallons per day.

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

BR2400 Volume



BR2400 Volume



NOTE: Volumes based on 0 psig Discharge Pressure with a Full Stroke.

NOTE: Volumes are per pump head.

A - 1 1/4" Plunger, 60SPM
 B - 1" Plunger, 60SPM
 C - 3/4" Plunger, 60SPM
 D - 1/2" Plunger, 60SPM

E - 3/8" Plunger, 60SPM
 F - 1/4" Plunger, 60SPM
 G - 1 1/4" Plunger, 30SPM
 H - 1" Plunger, 30SPM

I - 3/4" Plunger, 30SPM
 J - 1/2" Plunger, 30SPM
 K - 3/8" Plunger, 30SPM
 L - 1/4" Plunger, 30SPM