

# BKS1001

## HIGH PRESSURE, BRUSHLESS FUEL PUMP & CONTROLLER KIT



### ALL NEW, NOW WITH PWM CONTROLLABILITY

The BKS1001 is the next generation of our popular BKS1000 high pressure direct-fit fuel pump kit. Now with PWM (pulse-width modulation) control, you'll enjoy a true three-step controller with functions for 100% duty cycle, 50% duty cycle by grounding the command wire, and full PWM command by wiring the input to a 100Hz battery level PWM signal. More customization at the controller level means more power for your ride.

### KIT SPECIFICATIONS:

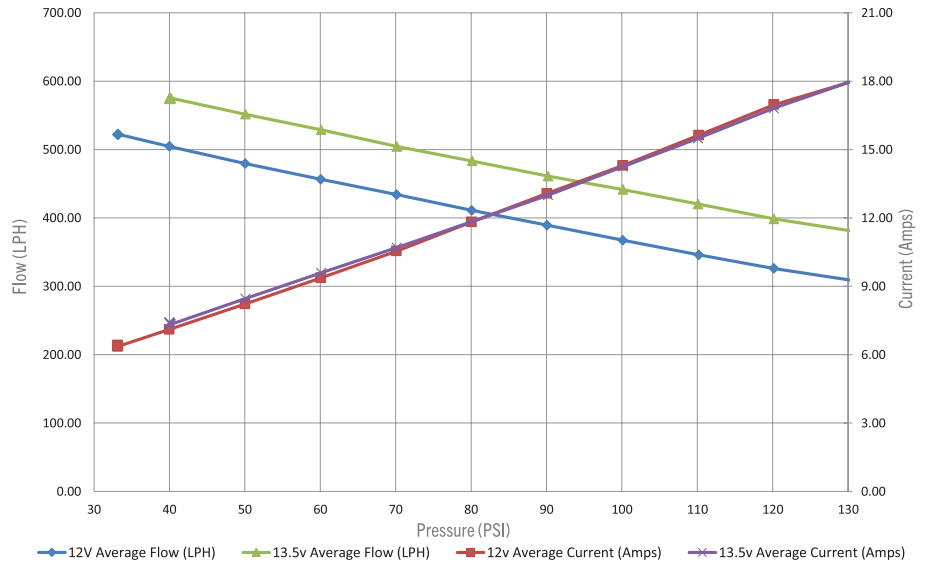
- Direct-fit replacement
- PWM (pulse-width modulation) input command
- Supports 1,000+ horsepower
- High pressure, high flow E5LM brushless screw pump
- Reduced system current draw
- Suitable for naturally aspirated and boosted applications
- Replaces current BKS1000 part number



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BKS1001 GAS FLOW CHART PUMP SET AT 100% DUTY CYCLE



MORE PRESSURE. MORE POWER.

PWM DELIVERS A CALCULATED AMOUNT OF FLOW BASED ON ENGINE DEMAND.

PWM Cmd (% Duty)
Wired to ground
1-4
5-9
10-95
96-99
Unconnected

PWM to Pump (% Duty)
45
0
45
45-100
* linear transfer function through this range
100

PWM Command	PWM to Pump (% Duty)	Flow LPH 13.5v @ 400 kPa	Controller Amps	Pump Amps 13.5v @ 400 kPa
10	45	150	4.58	8.75
15	48	173	4.73	8.47
20	51	195	4.90	8.33
25	55	218	5.10	8.11
30	58	239	5.32	7.94
35	61	258	5.51	7.84
40	64	279	5.70	7.76
45	68	298	5.90	7.72
50	71	320	6.15	7.66
55	74	339	6.38	7.60
60	77	360	6.62	7.57
65	81	376	6.83	7.44
70	84	396	7.10	7.43
75	87	414	7.34	7.50
80	90	434	7.63	7.51
85	94	457	7.98	7.53
90	97	498	8.62	7.62
95	100	513	8.80	7.72



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### WALBRO AUTOMOTIVE FUEL PUMPS ARE NOW TI AUTOMOTIVE

For decades, Walbro fuel pumps were manufactured by TI Automotive. Now, the Walbro name for automotive fuel pumps is TI Automotive. Same performance, quality and reliability that you have come to know and expect.



### ABOUT TI AUTOMOTIVE

TI Automotive manufactures a complete line of fuel pumps, accessories, pump kits and fuel modules for the high-performance aftermarket. Approximately two-thirds of the vehicles produced around the world feature TI Automotive's fluid systems products and technology. TI Automotive's award-winning fuel delivery system technology is featured on some of the world's highest performing production vehicles, such as the Bugatti Veyron, Dodge Challenger SRT Hellcat, Dodge Charger SRT Hellcat, Ford GT and Koenigsegg One:1.