



## FUEL PUMP VOLUMES

The validity of advertised fuel pump volumes is only as accurate as the method used for testing. In other words, a fuel pump will show more volume if it is gravity fed with no outlet restriction than if the pump had to lift the fuel and maintain a constant pressure. This holds especially true with a mechanical fuel pump.

**EXAMPLE:** a mechanical pump may pump 108 gallons per hour at 1 pound of pressure but only 60 gallons per hour if it had to maintain 5 pounds of pressure. We test and flow our pumps in a Real world environment. To simulate racing conditions we lift the fuel 18", pump it through a 1/2" line and maintain race condition fuel pressure.

### BLP FUEL PUMP DRIVEN AT 50% OF ENGINE SPEED WITH A FIXED PRESSURE

#### .400 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 81 GPH  
 3500 Pump RPM at 10 PSI flows 98 GPH  
 4000 Pump RPM at 11 PSI flows 113 GPH

#### .500 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 108 GPH  
 3500 Pump RPM at 10 PSI flows 120 GPH  
 4000 Pump RPM at 11 PSI flows 139 GPH

#### .600 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 120 GPH  
 3500 Pump RPM at 10 PSI flows 148 GPH  
 4000 Pump RPM at 11 PSI flows 170 GPH

#### .700 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 138 GPH  
 3500 Pump RPM at 10 PSI flows 170 GPH  
 4000 Pump RPM at 11 PSI flows 192 GPH

## FUEL PUMP SIZE APPLICATION

We classify our fuel pumps by the gear thickness and we have (4) different gear sizes to choose from. If you compare the BLP fuel pump to a typical fuel injection pump such as a Hilborn or Enderle then use this as a volume comparison.

BLP FUEL PUMP	TYPICAL FUEL INJECTION PUMP
.400 wide gear	No comparison
.500 wide gear	0 Pump
.600 wide gear	½ Pump
.700 wide gear	1 Pump

A BLP .500 wide gear pump will handle most carburetor fuel volume needs. Installing the correct volume fuel pump is very important. **Bigger is not always better** and if the pump has to by-pass too much fuel then you will have problems with fuel spike. Contact BLP for the correct fuel pump application.

## FUEL PUMPS WITH INTERNAL BY-PASS AND ADJUSTABLE FUEL PRESSURE

**NOTE:** RH pumps mount on the passenger side LH pumps mount on the drivers side.

PART NO.	MOUNT	DESCRIPTION
7400-400	RH	.400" wide gear pump
7400-500	RH	.500" wide gear pump
7400-600	RH	.600" wide gear pump
7401-400	LH	.400" wide gear pump
7401-500	LH	.500" wide gear pump
7401-600	LH	.600" wide gear pump

## FUEL PUMPS WITH NO INTERNAL BY-PASS

These pumps have the same internal parts and volume as model 7400 series.

**NOTE:** The same pump can be mounted on either side.

PART NO.	DESCRIPTION
7399-400	.400" wide gear pump
7399-500	.500" wide gear pump
7399-600	.600" wide gear pump
7399-700	.700" wide gear pump

## FUEL PUMP SHUT OFF VALVE



IHRA and NHRA require a fuel shut off valve when using a belt driven fuel pump. The BLP shut off valve is all billet construction with a -8 in and out fitting which can be mounted in the BLP fuel pump between the pump and carburetor outlet side of the pump. It can also be mounted in the line between the pump and carburetor.

PART NO.	DESCRIPTION
7340	2-way shut off valve without fittings
7341	3-way shut off valve without fittings
73401	O-ring kit
73402	Operating arm
73403	Teflon seal
7329	Special bulkhead design fitting that lets you install the valve into a BLP fuel pump and rotate in any position
7323	Outlet fitting, -8AN
7324	Outlet fitting, -10AN
7325	Outlet fitting, -12AN

## TOP-OIL FOR ALCOHOL

A synthetic lubricant that mixes with alcohol to lubricate the rotating parts of the fuel pump and the engine valve guides. Also helps preserve rubber hoses, neoprene hoses and carburetor internal parts. Top-oil comes in handy plastic quart bottles and mixes at a ratio of 1/2 ounce per gallon of fuel. One quart treats 55 gallons

PART NO.	DESCRIPTION
KL107	Top-oil (quart)

**Quantity discount with 10 quart or more purchase.**