



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
 2000 Pump RPM at 12 PSI flows 96 GPH
 2500 Pump RPM at 12 PSI flows 120 GPH
 3000 Pump RPM at 12 PSI flows 144 GPH
 3500 Pump RPM at 12 PSI flows 159 GPH
 4000 Pump RPM at 12 PSI flows 174 GPH

.500 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 108 GPH
 2000 Pump RPM at 12 PSI flows 118 GPH
 2500 Pump RPM at 12 PSI flows 140 GPH
 3000 Pump RPM at 12 PSI flows 168 GPH
 3500 Pump RPM at 12 PSI flows 188 GPH
 4000 Pump RPM at 12 PSI flows 203 GPH

.600 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 120 GPH
 2000 Pump RPM at 12 PSI flows 136 GPH
 2500 Pump RPM at 12 PSI flows 168 GPH
 3000 Pump RPM at 12 PSI flows 196 GPH
 3500 Pump RPM at 12 PSI flows 215 GPH
 4000 Pump RPM at 12 PSI flows 227 GPH

.700 THICK GEAR PUMP

1800 Pump RPM at 50 PSI flows 138 GPH
 2000 Pump RPM at 12 PSI flows 152 GPH
 2500 Pump RPM at 12 PSI flows 191 GPH
 3000 Pump RPM at 12 PSI flows 223 GPH
 3500 Pump RPM at 12 PSI flows 239 GPH
 4000 Pump RPM at 12 PSI flows 247 GPH

FUEL PUMP SIZE APPLICATION

.400 WIDE GEAR PUMPS

- 4 cylinder when using alcohol or gas.
- V-8 and V-6 when using gas only.

.500 WIDE GEAR PUMPS

- Engines using gas up to 850HP.
- Engines using alcohol up to 750HP.
- Tunnel ram set up on gas.
- Marine gas big block.
- Most all circle track and drag application.

.600 WIDE GEAR PUMPS

- High horsepower gas engines 750-900HP.
- Engines using alcohol 700-800 HP.
- Engines using tunnel ram with alcohol.
- Drag cars with rear mounted fuel cells and 60-foot ET times from 1.25-1.30.

.700 WIDE GEAR PUMPS

- Engines using alcohol over 900HP.
- Engines using tunnel ram with alcohol.
- This pump should utilize a return line.
- Drag cars with rear mounted fuel cells and 60-foot ET times from 1.20-1.30.
- **Do not use gasoline with this pump.**

On drag race cars with 60 foot times less than 1.20 we recommend using a front mounted fuel cell.

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 PRESSURE GAUGE

0-15 pound liquid filled fuel pressure gauge. The diameter is 1.600" and the inlet is a 1/8 male pipe thread.

PART NO.	DESCRIPTION
7524	0-15 pound fuel pressure gauge.