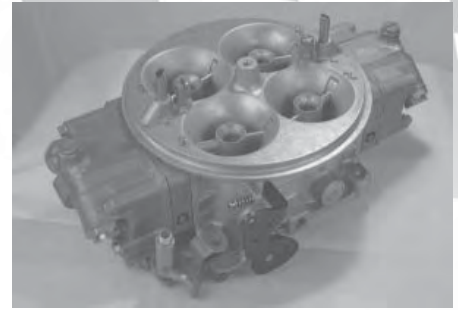


# CARBURETOR FUEL SUPPLY

**ANY PRESSURE AND VOLUME YOU NEED**

**MECHANICAL PUMP ELIMINATES THE NEED FOR A BATTERY AND CHARGING SYSTEM**

**EXTREMELY DEPENDABLE !**



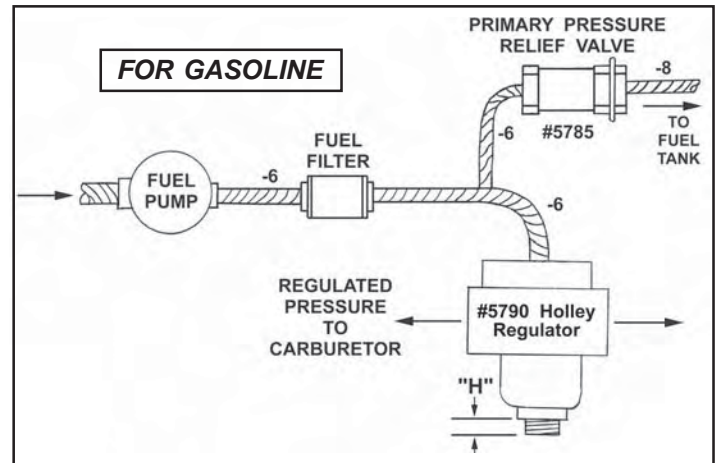
## HOW IT WORKS

Mechanical injection pumps are positive displacement type, so the system must bypass the fuel that the carb doesn't need back to the tank. The primary pressure relief valve does this, and also regulates the pressure at about 15 PSI\* to the inlet of the regulator valve. It is necessary to keep the inlet supply pressure to the carburetor regulator valve at least 1 PSI above the maximum desired regulated pressure, but not more than 20 PSI total to prevent damage to the regulator.

NOTE : the fuel filter is placed before the valves so that it will protect both the relief and regulator valves.

The table gives the final regulated pressure for this system on a small block Chev. If extremely fine pressure regulation is desired, two regulators can be installed in parallel, see table at right. Connect the two inlets together and connect the two outlets together. This should not be needed except on larger gasoline big block engines, or engines that run methanol. There are many regulators; call us; we will recommend the best setup for you.

Kinsler can supply a proper fuel supply system for a carburetor, using a mechanical or electric fuel pump (for information on **ELECTRIC FUEL PUMPS** see [Pages #124-130](#)). Pump drives, fuel filters, and bypass valves are also available.



Engine RPM	Regulated Pressure	
	One Holley Regulator	Two Holley Regulators
1000	8.0	8.0
2000	7.8	7.9
3000	7.7	7.9
5000	7.6	7.8
7000	7.3	7.7
8000	7.2	7.6

Nominal Regulated Pressure	Holley Valve "H" Adjustment
2.0	.310"
3.0	.270"
4.0	.220"
5.0	.170"
6.0	.130"
7.0	.080"
8.0	.040"
9.0	-.010"
10.0	-.050"

- 5790 Holley pressure regulator, 3/8" NPT female inlet x two 3/8" NPT female outlets
- 5750 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x two 6 AN female outlets, 1/8" NPT female pressure gauge port
- 5751 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x 6 AN female outlets, 1/8" NPT female pressure gauge port and boost/vacuum reference barb
- 5752 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x two 8 AN female outlets, 1/8" NPT female pressure gauge port
- 5753 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x two 8 AN female outlets, 1/8" NPT female pressure gauge port and boost/vacuum reference barb
- 5754 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x four 6 AN female outlets, 1/8" NPT female pressure gauge port
- 5755 MagnaFuel pressure regulator, 4-12 PSI, 10 AN female inlet x four 6 AN female outlets, 1/8" NPT female pressure gauge port and boost/vacuum reference barb
- 10748 Weldon pressure regulator, 0-30 PSI, two 10 AN female inlets x 6 AN female return, 1/8" NPT female pressure gauge and boost/vacuum ports

## Adjustable Pressure Regulators



#5790



#5750



#5751



#5752



#5754



#10749

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