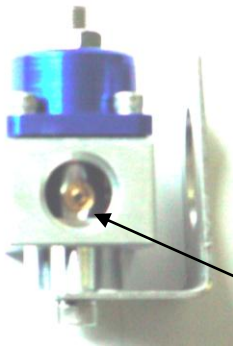




Installation Instructions By-Pass Regulator Part No. 30-1899QFT

Thank you for purchasing a Quick Fuel Technology billet pressure regulator with a by-pass jet. This regulator is intended for use with variable pressure mechanical fuel pumps.

Installation of a by-pass regulator is somewhat different than a conventional “dead head” regulator. As shown below, the fuel inlet is routed from the fuel pump and is attached to the side port of the regulator. The return line to the tank is routed out the bottom of the regulator body.



This regulator also has a by-pass jet feature that allows you to tailor the low speed or low pressure side of your fuel pump. By changing the by-pass jet you can alter the low side fuel pressure to the carburetor. As received your regulator is equipped with a #75 jet. This jet is the same as a conventional gasoline jet for any modular carburetor. The number stamped on the jet is the equivalent to the standard jet number used for gasoline main jets. Increasing the jet size will decrease the fuel pressure while decreasing the jet size will increase the fuel pressure. A jet number as large as 100, will not materially change the volume or the fuel pressure of the high side of the fuel pump.

BY-PASS JET 1/4-32 THREAD

There are two installation options: 1.) Position the regulator in the conventional location, between the fuel pump and carburetor. In this case the regulator will be a flow through configuration. 2.) After the carburetor routing is recommended if at all possible. In this routing the pressure regulator is positioned and act similar to a fuel injection system. The regulator is mounted behind the carburetor, at the end of your fuel line or fuel log. In this routing, the end of the fuel line or fuel log is threaded into the side of the regulator body and return line to the fuel tank exits the bottom of the regulator body. The port opposite the fuel inlet line needs to be plugged. The ports are threaded to accept a #8 A/N thread. You will need to use a #8 A/N male O-Ring fitting into the regulator body.

The regulator body has a 1/8” NPT to accommodate your fuel pressure gage. In addition, there is a brass barb fitting also supplied with your regulator that can be used for changing the fuel pressure for applications that uses boost pressure through the carburetor.

Your regulator is preset to 7 P.S.I. (the high side of the fuel pump output). That is our recommended fuel pressure for most applications, however one of the benefits of a two stage output fuel pump is to run an elevated pressure without suffering flooding problems at low RPMs. It is our recommendation not to exceed 9 P.S.I. Should you need to adjust your fuel pressure loosen the lock nut and turn the adjustment stem with an Allen Wrench. To raise the fuel pressure turn the stem counter-clockwise. To lower the pressure turn the stem clockwise. After adjusting, tighten the locknut to prevent the adjustment stem from moving.

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