

# FloMAX Fuel Nozzle

## Modular Backpressure Sensor

**PATENT NO. 7,588,060**



The *FloMAX* diesel fuel nozzle removable shutoff pressure sensor assembly has been awarded a patent for its unique, innovative and superior design. This sensor assembly allows *FloMAX* nozzles to be some of the longest lasting and most dependable fuel nozzles in the industry.

Both the *FloMAX* FNBL and FN600 diesel fuel nozzles utilize this recently patented shutoff pressure sensor assembly. This assembly is easily removed to allow for cleaning and rebuild. It has several advantages over all other competitor's pressure sensors. The cylinder is nickel-plated steel for greater lubricity and longer wear. The piston is almost twice as long as other pistons and has two Fluorosilicone seals, one at each end. This allows the piston to slide straighter through the cylinder reducing drag and wear. The piston also has a DELRIN bushing that eliminates metal-to-metal contact and wear. The actuation handle pulls the piston back with a sliding pin instead of a fixed linkage. This keeps the piston from being pulled toward one side when actuated.



This sensor assembly can be set to shutoffs ranging from 5.5 PSI to 13.5 PSI by selecting one of 7 available piston springs. Low shutoffs are for smaller tanks with lower flow rates and lower pump pressure. The higher shutoffs are used with larger tanks, higher pressures and flow rate, and when filling tanks that use non-pressure systems.

This patented shutoff pressure sensor is just one of many innovative and industry leading product designs that keep *FloMAX* products setting the standard for fluid transfer and dry-break connectors.