

# Delphi Series 7000 Fuel Module

### ► Description

Fuel modules are designed to provide an uninterrupted flow of fuel to the engine at system pressure. Depending on customer needs, the Delphi Series 7000 Fuel Module can integrate a pump, fuel level sensor, fuel filter, reservoir with active and passive filling mechanisms, and regulator in a compact, modular package that is easy to install. The Delphi Series 7000 Fuel Module also offers an in-tank fuel filter with 10-12  $\mu\text{m}$  filtration.

An active fill mechanism (jet pump) allows all fuel to be sent to the engine before stalling, helping extend the vehicle's driving range. The use of plastic flanges (covers) and nylon fuel lines helps eliminate corrosion of key components.



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### ► Features and Benefits

- Acetal cover can accommodate 116 mm tank opening to permit integrated filter in reservoir
- Single stage turbine pump provides quiet, energy efficient operation
- Active reservoir-fill mechanism (high pressure jet pump) to maintain fuel supply in reservoir
- Passive reservoir fill mechanism helps fill the reservoir at low-fuel volumes
- High capacity filter media helps supply clean fuel to the injection system

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### ▶ Typical Applications

The Delphi Series 7000 Fuel Module is suitable for any gasoline engine passenger car or light-duty truck applications with a returnless fuel system. The fuel pump is flex fuel compatible, so the module can be used with vehicle applications that require ethanol- and gasoline-blend fuels up to 100% ethanol. The Delphi Series 7000 Fuel Module can also be easily tailored for diesel engine applications.

### ▶ Performance Advantages

The Delphi Series 7000 Fuel Module helps reduce emissions due to lower heat/vapor generation. It provides superior low fuel handling and fuel level sensing performance with its enhanced bottom reference design. It also offers reduced noise levels and improved pump durability compared to conventional fuel modules. The simplicity of design also results in lower cost. This module is targeted to meet California ZEV requirements.