

Delphi T-23 Automotive Turbine Fuel Pumps

Delphi T-23 Automotive Turbine Fuel Pumps are a family of in-tank pumps designed to provide uninterrupted flow of fuel for gasoline and flexible fuel engines with 1.5 liter and greater displacements. They provide reliability, high efficiency and excellent hot fuel delivery performance.

▶ Benefits

- Proven in-field performance in global applications
- Flexibility to adjust product features and performance to suit customer needs through selection of armature windings, pump section configuration, and component features
- Carbon commutator technology provides improved durability and robust performance for gasoline and flexible fuel, with blends up to E100

▶ Typical Applications

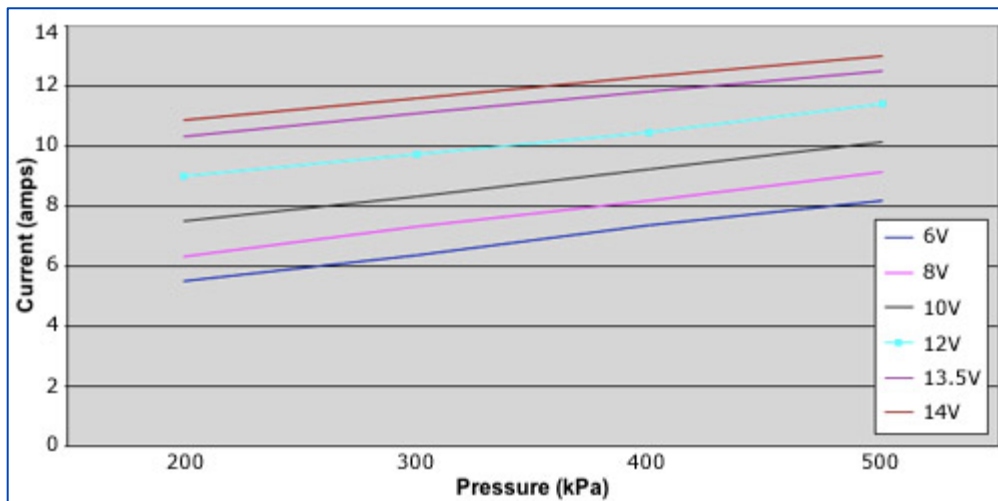
Delphi T-23 Automotive Turbine Fuel Pumps are suitable for in-tank applications for 1.5 liter or larger engines requiring fuel flow ranges up to 200 L/hr at 12 V and 450 kPa. They can be used with gasoline and flexible fuel (up to E100) programs. Low pressure designs for diesel fuel applications are also available.



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▶ Flow Chart

Delphi T-23 Automotive Turbine Fuel Pump Gen 4.5 Performance Curve



This chart shows the performance curve of a Delphi T-23 Automotive Turbine Fuel Pump and demonstrates that it provides high flow at all voltage and pressure. Function testing conducted after 24-hour break-in with average current.

▶ Performance Advantages

Delphi T-23 Automotive Turbine Fuel Pumps provide excellent low-fuel delivery performance for reliable, uninterrupted fuel flow. They help reduce evaporative emissions because they generate low heat and vapors.

Delphi's T-23 Automotive Turbine Fuel Pumps feature:

- Highly integrated design for lower overall cost
- Compact 30 mm diameter that enables excellent packaging flexibility
- Robust durability with "dry run" capability
- Exceptional low voltage startability

▶ The Delphi Advantage

Building on more than 50 years' experience in fuel handling systems, Delphi is dedicated to the development of high quality, cost effective fuel handling technologies for integration with current and new engine designs. Delphi holds numerous fuel handling trade secrets and more than 150 patents for fuel module and fuel pump design. Delphi engineers understand the complex array of issues involved in achieving efficient, reliable fuel handling performance. Delphi fuel handling technologies can help vehicle manufacturers meet current and increasingly stringent future emissions requirements. And, Delphi has full capabilities to support fuel handling systems development, validation and production.

Delphi has a long history of creating complete engine management systems and the company has a global network of engineering and manufacturing sites. Only Delphi offers a complete portfolio of engine management system technologies, including the following:

- Fuel handling systems
- Injection systems
- Ignition systems
- Air and fuel management
- Electronics
- Sensors and actuators
- Valve train systems
- Evaporative emissions systems