

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

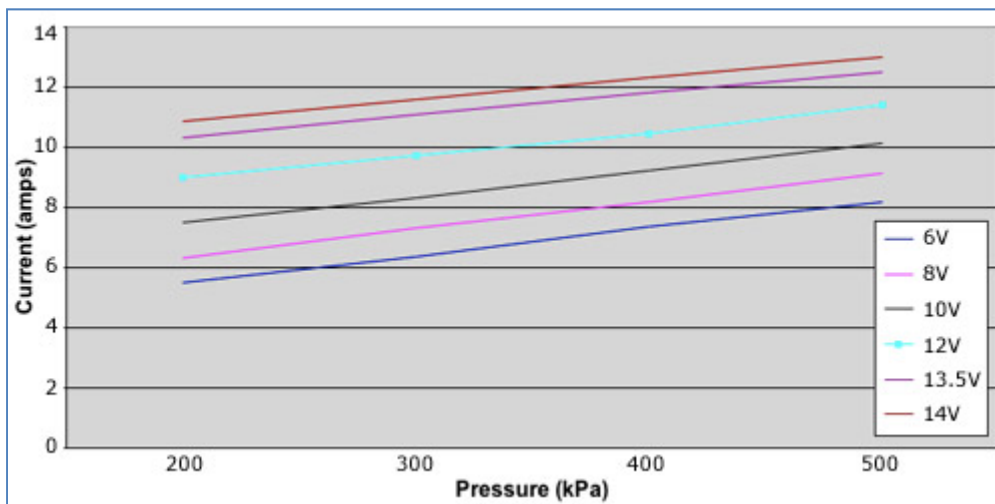
Delphi T-23 Automotive Turbine Fuel Pumps are suitable for in-tank applications of 1.5 liter or larger engines requiring fuel flow ranges up to 200 L/hr at 12 V and 450 kPa. They can be used with gasoline and flexible fuel (up to E100) programs. Low pressure designs for diesel fuel applications are also 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 39 mm diameter that enables excellent packaging flexibility
- Robust durability with "dry run" capability
- Exceptional low voltage startability

▶ The Delphi Advantage

Building on the benefits of 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 engineers hold numerous fuel handling trade secrets and many patents for fuel modules and fuel pump design. Delphi engineers understand the complex array of issues involved in efficient, reliable fuel handling performance. Delphi also has full capabilities to support fuel handling systems development, validation and production.

As a global leader in engine management systems technology, Delphi can help manufacturers around the world meet emissions requirements, improve fuel economy and enhance performance. Delphi is a source for high value solutions and our systems expertise is built into every product. Delphi's flexible engineering approach encourages collaboration. And, Delphi has a thorough understanding of automotive markets around the world and a global network of resources.