

Air/Fuel Management

Injectors-Throttle Body Injection (TBI) Multec Bottom Feed



Features	Benefits
Accurate metering from 40°C to 110°C	Variety of flow rates available to get optimum engine performance
High and low impedance models available	Reliable performance under normal engine operating conditions
Available in a variety of flow rates	Extra filtering protection
High and low fuel pressure applications	Compatible with up to 100% alcohol blends
Flow-thru design with integral fuel filter	Fully atomized spray cone for better performance
6-hole orifice	Improved cold weather starting
Excellent closed valve sealing	Fast engine starting

Description:

The Bottom Feed TBI Injector is a precision device which accurately meters fuel to meet environmental and functional requirements of TBI engines. The Multec TBI is a solenoid operated valve that uses a spherical ended armature along with a conical seat. Metering is controlled by a 6-hole orifice just below the valve. The six streams merge to form a full, finely atomized cone.

Typical Application:

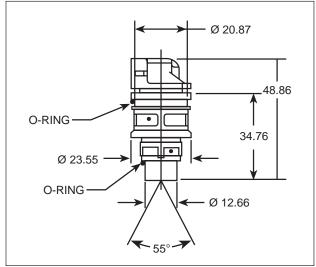
This injector is designed to meet the requirements of Throttle Body Injection engines.

Performance Advantages:

The Bottom Feed TBI Injector provides for accurate metering when energized and excellent sealing when de-energized.

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Performance Specifications:	
Capacity Flows	4.16, 4.54, 5.04, 5.31, 5.82, 6.31, 6.93, 7.46 g/s
Test Fluid Density	0.788 g/cc
Fuel Pressure	75 or 200 kPa
Part-to-Part Flow	+/- 2.0% @ 2.5 ms P.W. /30.0 ms Period
Drive Circuit	4 A/1 A Peak/Hold Circuit
Resistance	1.5 Ω or 1.8 Ω
Pull-In/Drop Out Current	1.1 A/0 .5 A
Linear Flow Range (LFR)	12.0:1 @ 70 kPa 15.0:1 @ 200 kPa
LFR = Max/Min	Max — Min Duty Cycle
Fuel Compatibility	Gasoline – Ethanol: 10%, 20%, 100% Methanol: 15% Alcohol blends require design upgrades



All measurements in millimeters.

Delphi Website: http://www.delphiauto.com



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