Gaseous Fuel Injectors

TECHNICAL SPECIFICATIONS

Type of fuel: CNG (LPG)
Type of injector: closed when de-energised

Hydraulic:
Fuel feeding: side feed
Working pressure (relative): 0.8-3.0bar (11.8-44.12psi)
Proof pressure: 10bar (147psi)

Electrical:
Coil resistance: 1.08 omega
Current control: 4/1 A “peak and hold”
Operating voltage: 6/16V
Maximum frequency: 200Hz
Opening time: 2.0ms
Closing time: 1.4ms

Working Temperature: -40C-120C (-40F-248F)

Flow rate:
Static flow: 2.50g/s @ 1.85bar with CNG (9 kg/hr)
Linearity: +/- 5% for Tinj<=5 msec; +/-2% (For Tinj >5msec)
Repeatability: +/-1.5%
Maximum internal leakage: 6 cubic cm/h

Mechanical:
Endurance: 350million cycles
Dimensions diameter/length: 32mm / 73mm
Weight: 120g (0.264lbs.)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>GPL</td>
<td>CNG</td>
<td>GPL</td>
</tr>
<tr>
<td>1</td>
<td>2.2</td>
<td>1.61</td>
<td>1.51</td>
<td>0.021</td>
</tr>
<tr>
<td>2</td>
<td>2.5</td>
<td>2.09</td>
<td>1.95</td>
<td>0.031</td>
</tr>
<tr>
<td>3</td>
<td>2.8</td>
<td>2.48</td>
<td>2.32</td>
<td>0.044</td>
</tr>
</tbody>
</table>

Technical specifications:
Working temperature: -40 to +120°C (R110)
Maximum working pressure: 3 bar
Power absorbed: 1 W in maintenance
Driving method: Peak and Hold