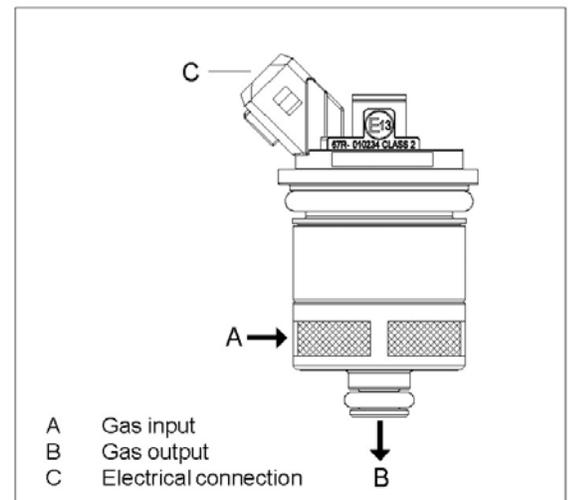


Gaseous Fuel Injectors

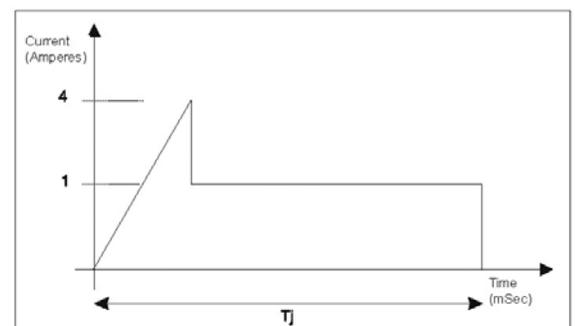
TECHINICAL SPECIFICATIONS

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 $T_{inj} \leq 5$ msec; +/-2% (For $T_{inj} > 5$ msec)
 Repeatability: +/-1.5%
 Maximum internal leakage: 6 cubic cm/h
 Mechanical:
 Endurance: 350million cycles
 Dimensions diameter/length: 32mm / 73mm
 Weight: 120g (0.264lbs.)



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



| Size | Port Size [mm] | Gas Flow Max. [g/s] | | Gas Flow Min. [g/s] | | Power [kW/Cyl] |
|------|----------------|---------------------|------|---------------------|-------|----------------|
| | | GPL | CNG | GPL | CNG | |
| 1 | 2,2 | 1,61 | 1,51 | 0,021 | 0,020 | 22 max. |
| 2 | 2,5 | 2,09 | 1,95 | 0,031 | 0,030 | 30 |
| 3 | 2,8 | 2,48 | 2,32 | 0,044 | 0,040 | 20 - 40 |