HEAVY DUTY PRESSURE REGULATOR FOR CNG APPLICATION WITH INTEGRATED MODULE

Key Features

- High pressure single stage regulator for compressed natural gas with working inlet pressure up to 25MPa is available now with an integrated solenoid lock off, pressure sensor and serviceable inlet fuel filter. Both 12 and 24 Volt solenoid coils are available.

- Proven design with over 30 years of in service history
- Integrated high pressure lock off
- Built-in pressure sensor
- Built-in serviceable fuel filter
- Optional MAP reference
- Certified to ECE R110 and ISO 15500 standards

主要特性

- 高压单级CNG减压器，入口压力最高可达25MPa，集成电磁切断阀、压力传感器以及可维护式入口滤清器，电磁阀支持12V和24V系统。
- 该款产品已经量产30多年，质量可靠;
- 集成高压电磁切断阀;
- 集成压力传感器;
- 入口内置滤芯;
- 可选配歧管压力补偿功能;
- 认证：ECE R110，ISO 15500。
### General Information

**Application**
High pressure single stage regulator

**Design**
Single stage regulator heated by coolant with integrated lock off

**Fuel Type**
High Pressure Natural Gas (Validated with G20 and G25 CNG)

### Performance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working Pressure</strong></td>
<td>26 MPa (3,600 psig)</td>
</tr>
<tr>
<td><strong>Minimum Inlet Pressure</strong></td>
<td>1.17 MPa</td>
</tr>
<tr>
<td><strong>Typical Outlet Pressure</strong></td>
<td>1.1 MPa (factory options available)</td>
</tr>
<tr>
<td><strong>Minimum Operating Voltage</strong></td>
<td>6 V</td>
</tr>
<tr>
<td><strong>Maximum Voltage</strong></td>
<td>14 V</td>
</tr>
<tr>
<td><strong>Nominal Voltage (Constant)</strong></td>
<td>14 V</td>
</tr>
<tr>
<td><strong>Nominal Current Draw</strong></td>
<td>1.29 Amps</td>
</tr>
<tr>
<td><strong>Maximum Voltage (1 MIN)</strong></td>
<td>24 V</td>
</tr>
<tr>
<td><strong>Connector</strong></td>
<td>AMP Super Seal</td>
</tr>
<tr>
<td><strong>Leakage</strong></td>
<td>&lt;0.25 standard cc/min Helium, external (&lt;0.25 standard cc/min Helium, internal)</td>
</tr>
<tr>
<td><strong>Heater Circuit</strong></td>
<td>Water / Ethylene Glycol Mixture</td>
</tr>
<tr>
<td><strong>Flow Direction</strong></td>
<td>Bi directional</td>
</tr>
<tr>
<td><strong>Maximum Pressure</strong></td>
<td>200 kPa</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>ECE R110, ISO 15500-2012</td>
</tr>
</tbody>
</table>

### Controls

- **Map Barb**

### Diagram

- Diagram showing various components:
  - High Pressure Inlet
  - Low Pressure Outlet
  - 3/4"-16 UNF-2A Mounting
  - 1/2"-20 SAE OR PRV
  - 1/4"-18 NPT OR 1/2"-20 SAE OR PRV
  - Optional Barb

**ISO/TS 16949:2009 registered**

**ISO 9001:2008 registered**

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