H-TV-70 Series

HEAVY DUTY 70 MPa CRASHWORTHY INTERNAL SOLENOID TANK VALVE
大流量70MPa 内置式防碰撞电磁瓶口阀

Key Features

700 bar (70 MPa) tank service pressure. Patented solenoid tank valve that mounts the coil and plunger inside the tank protecting it from any external impact and environmental exposure. Temperature sensor mounted inside the tank allows for fuel gauge correction or fuel dispenser feedback system. Tank valve also includes an integrated PRD along with manual shut off.

• Based on GFI’s successful family of internal solenoid tank valves
• The solenoid lock off is located inside the cylinder, providing real crash and environmental protection
• Pipe away T-PRD
• Internal temperature sensor
• Stainless steel body
• 12 V and 24 V solenoid coils available
• 700 Bar service pressure

Engineered to meet International Standards and Regulations
• Including ANSI HGV 3.1/HPRD 1, ECE R134, EC 79/2009, and UN GTR No. 13.

All designs are subjected to rigorous qualification testing
• Including long-term endurance cycling, severe vibration, and accelerated cyclic corrosion.
## H-TV-70 Series

### GENERAL INFORMATION (基本参数)

<table>
<thead>
<tr>
<th>APPLICATION 应用</th>
<th>Hydrogen 70 MPa Tank Valve 70MPa 氢气瓶阀</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESIGN 设计</td>
<td>Automatic valve, internal solenoid 自动, 嵌入式电磁阀</td>
</tr>
<tr>
<td>BODY MATERIAL 机体材料</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>FUEL TYPE 燃气类型</td>
<td>Hydrogen</td>
</tr>
</tbody>
</table>

### PERFORMANCE 性能

<table>
<thead>
<tr>
<th>RESPONSE TIME 反应时间</th>
<th>&lt; 750 ms</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-PRD OPERATION 激活温度</td>
<td>110 +/- 5°C</td>
</tr>
<tr>
<td>SERVICE PRESSURE 工作压力</td>
<td>70 MPa (10,152 psi)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE 工作温度</td>
<td>-40°C to 85°C (-40°F to 185°F)</td>
</tr>
</tbody>
</table>

### ELECTRICAL 电气

(To be confirmed)

<table>
<thead>
<tr>
<th>Coils model 线圈型号</th>
<th>12 V</th>
<th>24 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum opening voltage 最小开启电压</td>
<td>8 V</td>
<td>16 V</td>
</tr>
<tr>
<td>Nominal voltage 额定电压</td>
<td>12 V</td>
<td>24 V</td>
</tr>
<tr>
<td>Nominal current draw 额定电流</td>
<td>0.62 A</td>
<td>0.33 A</td>
</tr>
<tr>
<td>Thermistor R25C 温度传感器电阻</td>
<td>10,000 ohms +/- 2%</td>
<td></td>
</tr>
<tr>
<td>Thermistor Type 电阻类型</td>
<td>NTC</td>
<td></td>
</tr>
</tbody>
</table>

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**Images:** for illustration purposes only, may not reflect configuration provided.