H-PRD-4P2

HIGH PERFORMANCE 2” END PLUG PRESSURE RELIEF DEVICES
2”瓶塞式压力释放阀

Key Features

GFI’s 2” end plug pressure relief devices uses a
design optimized for maximum heat transfer to
create a fast acting high flow PRD. Offered with
a wide range of options these devices can be
configured to meet the needs of all end plug
applications.

• Center positioned vent port
• High flow fast acting design
• Cadmium free eutectic technology
• Nominal working pressure 35 MPa
• Working temperature -40° to +85° C
• Light weight machined aluminum body
• Suitable for use with all cylinder types

主要特性

公司GFI 2”的瓶塞式压力释放阀系列产品设计时最大化了热量交换的速度，所以响应快、流量大。本产品接头规格很全，可以根据客户的要求进行定制。

• PRD导出口居中；
• 流量大，响应快；
• 非镉易融合金技术；
• 最大工作压力35MPa；
• 工作温度范围-40℃ to 85℃；
• 轻量化铝制机体；
• 兼容所有气瓶类型。

Engineered to meet International Standards and Regulations
• Certified to EC79/2009 and HPRD1.

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

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# Specifications

<table>
<thead>
<tr>
<th><strong>General Information</strong></th>
<th><strong>H-PRD-4P2</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Application</strong></td>
<td>Suitable for all cylinder types</td>
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<tr>
<td></td>
<td>Safety Device for 2” neck Type 1 / Type 2 / Type 3 / Type 4 cylinders</td>
</tr>
<tr>
<td><strong>Design</strong></td>
<td>Thermally activated PRD</td>
</tr>
<tr>
<td><strong>Body Material</strong></td>
<td>Extruded Aluminum, anodized</td>
</tr>
<tr>
<td><strong>Fuel Type</strong></td>
<td>Hydrogen</td>
</tr>
<tr>
<td><strong>Nominal Working Pressure</strong></td>
<td>35 MPa (5,076 psig)</td>
</tr>
</tbody>
</table>

## Performance

| **Flow Rate When Activated (CV)** | 0.76 |
| **Working Temperature**          | -40°C to 85°C (40°F to 185°F) |
| **T-PRD Operation**              | 110 ±/−5°C |
| **T-PRD Orifice**                | Up to 5.7 mm equivalent |
| **Burst Disk (Option)**          | Available |

## Connections

| **Cylinder Connection**     | 2”-12 UN |
| **Vent Thread Type**        | 9/16” - 18 UNF |

## Approvals

| **Certifications** | EC79, HPRD1 |

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**Diagram**

- PRD Vent Port: SAE 9/16-18UNF
- Cylinder Connection: 2”-12 UN
- Flow Rate When Activated: 0.76
- Working Temperature: -40°C to 85°C
- T-PRD Operation: 110 ±/−5°C
- T-PRD Orifice: Up to 5.7 mm equivalent
- Burst Disk (Option): Available

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**NATURAL GAS | HYDROGEN**

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