High-Heat Release and Maximum Flexibility

Easy to install and able to reliably light in wet conditions, the John Zink Hamworthy Combustion TruFire™ UltraFlex pilot and burner provides reliable performance as both pilot ignition and a high-heat release option for overall system flexibility. Our innovative high-heat release gives you the ability to fill the gap between burner turndown and typical output of the pilot, providing a better way to fine-tune your system's performance. The TruFire pilot is made with stainless steel to minimize corrosion and its flexible design offers your choice of a fixed or retractable system. In addition, the system allows you to add a sightport or even a scanner directly to the pilot for safe, reliable flame verification.

At A Glance

High-Heat Release and Flexibility
- Wide range of heat release offers flexible operation.
  - Heat release capacity from 200,000 Btu/hr to 13.4 MMBtu/hr
  - Unit startup and shutdown control
  - Refractory dry out applications
  - Self-contained burner

Safety and Flame Verification
- Robust, stable flame ensures burner ignition and flame detection
- Sightport / scanner option available with direct line of sight on the pilot for flame confirmation

Pilot Ignition
- Application of our proven High Energy pilot ignition
  - Uses compressed air for improved stability in high-draft and pressurized applications
  - Safely retractable and removable from the burner even during burner operation (manual or pneumatic retraction)
High Energy Features

- High Energy probe is not affected by moisture and will spark even when completely immersed in water
- Powerful capacitance discharge spark provides more reliable ignition than a conventional spark plug igniter
- A fixed / non-adjustable spark gap ensures proper installation and reliable spark

Specifications and Options

<table>
<thead>
<tr>
<th>Pilot Type</th>
<th>Min. Guide Pipe Size, Sch 80 or 40</th>
<th>Heat Release Btu / hr</th>
<th>Compressed Air Required, ScFM at 10 psig</th>
<th>Retractable with Isolation Valve¹</th>
<th>Scanner Option</th>
<th>Sight Port Option²</th>
</tr>
</thead>
<tbody>
<tr>
<td>TruFire UltraFlex</td>
<td>3”</td>
<td>200,000 - 13,500,000</td>
<td>70³</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

¹ Manual retraction is standard, pneumatic retraction is also available. Isolation valve must be installed to safely remove pilot during pressurized burner operation.
² Sight port must be removed to install a scanner or a flame ionization rod.
³ Not 100% premix.

- Compressed Air Required:
  - 200,000 - 13,500,000 Btu/hr
- Retractable with Isolation Valve: Yes
- Scanner Option: Yes
- Sight Port Option: Yes

For more information about the TruFire UltraFlex pilot and burner, contact: info@johnzink.com

Electrical Specifications

<table>
<thead>
<tr>
<th>Input voltage options:</th>
<th>Amperage requirement:</th>
<th>Spark rate:</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC / 50-60 HZ / Single Phase</td>
<td>0.35 AMPS - AC</td>
<td>2 sparks per second</td>
</tr>
<tr>
<td>240 VAC / 50-60 HZ / Single Phase</td>
<td>2 AMPS - DC</td>
<td></td>
</tr>
<tr>
<td>24 VDC</td>
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</tbody>
</table>

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Global Headquarters

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To locate an office in your region, visit johnzinkhamworthy.com/contacts/office-locator