

## TruFire™ UltraFlex Pilot and Burner

### 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

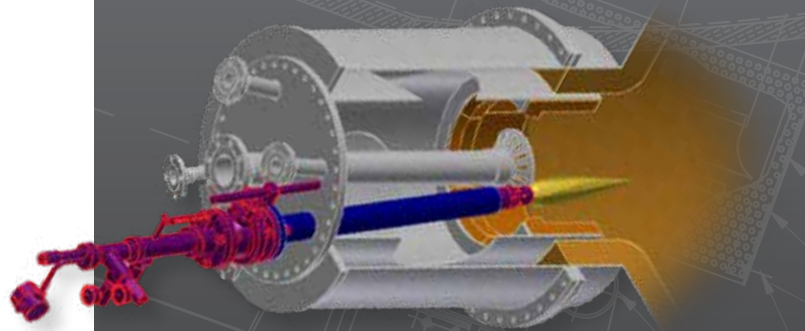
- + Application of our proven High Energy pilot ignition
  - Uses compressed air for improved stability in high-draft and pressurized applications
  - Safely retractable and removable from the burner even during burner operation (manual or pneumatic retraction)



### One Product. Many Applications.

*Due to its flexible heat release option, the TruFire UltraFlex can be used in a wide range of applications, including:*

- Start-up burner
- Refractory cureout burner
- Burner pilot
- Gas / air preheater burner



**TRUFIRESM**  
ULTRAFLEX

## 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

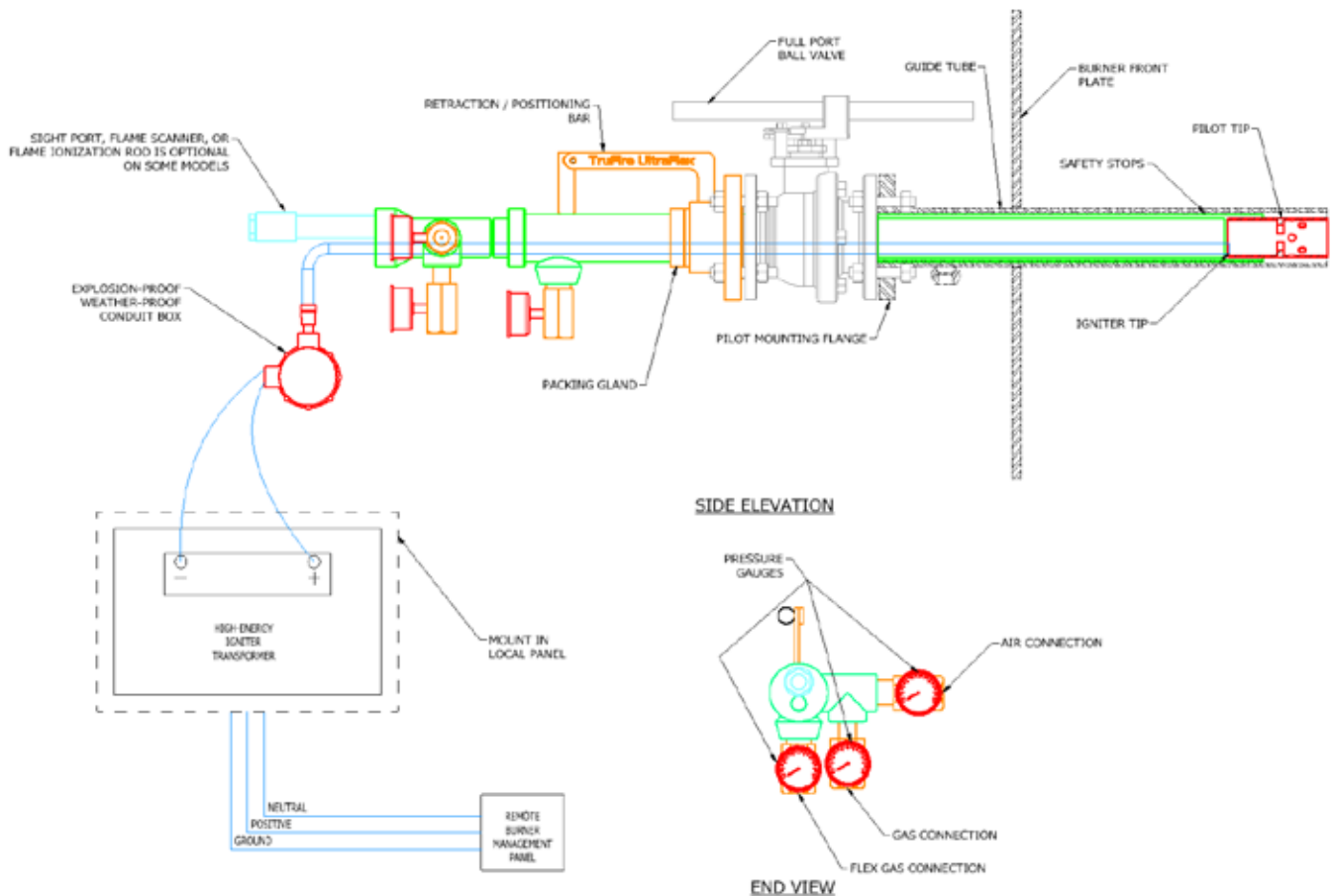
## Specifications and Options

Pilot Type	Min. Guide Pipe Size, Sch 80 or 40	Heat Release Btu / hr	Compressed Air Required, SCFM at 10 psig	Retractable with Isolation Valve <sup>1</sup>	Scanner Option	Sight Port Option <sup>2</sup>
TruFire UltraFlex	3"	200,000 - 13,500,000	70 <sup>3</sup>	Yes	Yes	Yes

<sup>1</sup> Manual retraction is standard, pneumatic retraction is also available. Isolation valve must be installed to safely remove pilot during pressurized burner operation.

<sup>2</sup> Sight port must be removed to install a scanner or a flame ionization rod.

<sup>3</sup> Not 100% premix.



## Electrical Specifications

### Input voltage options:

120 VAC / 50-60 HZ / Single Phase  
 240 VAC / 50-60 HZ / Single Phase  
 24 VDC

### Amperage requirement:

0.35 AMPS - AC  
 2 AMPS - DC

### Spark rate:

2 sparks per second

**For more information**

about the TruFire UltraFlex pilot and burner, contact: [info@johnzink.com](mailto:info@johnzink.com)



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