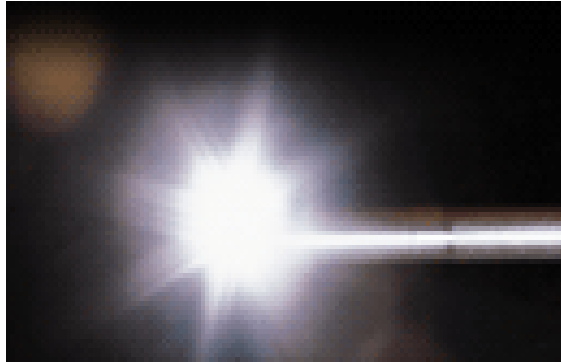


## Ignition Solutions

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### *It All Starts Here!*

- ↑ Increase Reliability
- ↑ Increase Flame Stability
- ↑ Maximize Equipment Life
- ↑ Increase Safety



- ↓ Lower Operating Costs
- ↓ Minimize Maintenance Costs
- ↓ Minimize Start-Up Time
- ↓ Minimize Downtime

- Minimize start-up time, reduce fuel usage
- Over 85 years of experience
- Largest range of products
- Fail-safe flame proving
- Ongoing R&D assures you the most up-to-date technology
- Reduce maintenance expenses
- Increase safety
- Standard or custom-designed ignitors
- Complementary flame scanners, burner management systems, etc.

An ignition system must be reliable, meet safety standards, and perform flawlessly *under all operating conditions*. A Hamworthy Peabody burner ignition system consists of a correctly sized ignitor, best suited for your application, combined with an ignitor control system properly designed, per NFPA recommendations.

#### Typical Supply

- Ignitor with Fuel & Air Hoses
- Spark Rod
- Transformer or HE Exciter
- FP Models: Flame Rod & Flame Relay

#### Applications

- Packaged Boilers
- Wall-Fired, Multi-Burner Boilers
- Process Burners
- Kilns

#### Hamworthy Peabody Combustion services Related to this Product

- Flow and CFD Modeling
- Installation
- Startup Service
- Operator Training
- Preventive Maintenance


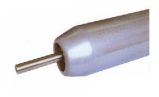



***Protect your investment & employees by using only Hamworthy Peabody Combustion engineered products***

# Ignition Solutions

NFPA Class*	Application	Ignition Fuel	Main Fuel	Capacity**	HPC Model
1	Continuous: Start-Up, Warm-Up, Flame Stabilization, Turn-down	Oil	All Fuels	Up to 30	OE-HE
		Gas	All Fuels	Up to 30	HE-GE
2	Intermittent: Start-up, flame stabilization	Gas	All Fuels	Up to 2	HE-GH
		Gas	Gases, Oils	Up to 5	FP-HE
		Gas	Gases, Oils	Up to 5	FPM-HE
3	Start-Up	Gas	Gases, Oils	Up to 5	FP
		Gas	Gases, Oils	Up to 5	FPM
3-Special		None	Gases, Oils	N/A	HE

\* Classes are typical only and applicable class is dependant upon actual application.

\*\* (MM BTU/Hr) Larger capacities available; consult Hamworthy Peabody Combustion.

	OE-HE: Oil-Electric ignitor/pilot to ignite all types of main burner fuels; can replace aux. warm-up guns, increase turn-down, stabilize flames. A variety of arrangements are available. Can also be equipped with gas firing capability.
	HE-GE: Gas-Electric ignitor/pilot with similar applications as OE-HE, above.
	HE-GH: Gas-Electric ignitor suitable for start-up of boilers or furnaces; also used for furnace warm-up of non-boiler furnaces. Suitable for dirty furnace conditions (kilns, dryers, etc.).
	FP-HE: Gas-Electric Ignitor suitable for extended firing. Includes flame-proving capability. Suitable for dirty or high-moisture furnace applications.
	FPM-HE: Same as FP-HE except without flame-proven capability.
	FP: Same as FP-HE except with high-tension spark rather than High Energy (HE) spark.
	FPM: Same as FPM-HE except with high-tension spark rather than High Energy (HE) spark.
	HE: Direct Spark, High-Energy Ignition: extremely reliable, self-cleaning, and available in a variety of configurations including flexible rods for Tangentially-fired boilers and similar applications.

For further information on combustion equipment, please contact:

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