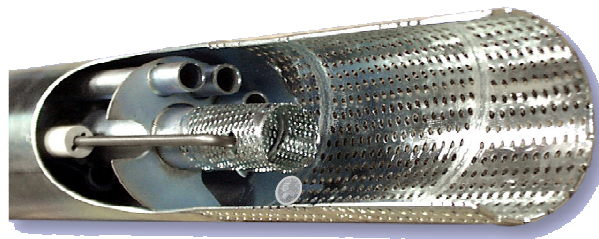


DATASHEET



FP™ /FPM™ Series Ignitors



Key Features

- Flame Retention Tip
- Flame Rod (FP Models)
- Direct Spark Ignition of Pilot Flame
- Air Seal

Benefits

- Extremely Stable Flame/Reliable Operation
- Flame Proven/Excellent Discrimination from Main or Adjacent Flames
- Resist Fouling, Reliable. –HE Models offer Self-Cleaning, High-Humidity Operation
- Allows for Removal of Oil Unit while Boiler is on-line; holds back furnace gases

Typical Standard Supply

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

Optional Equipment

- Fuel Valve Train

Applications

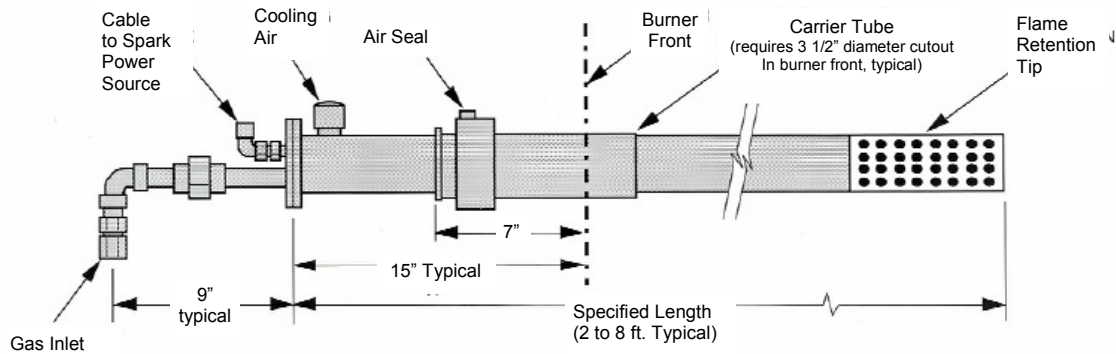
- Packaged Boilers
- Wall-Fired, Multi-Burner Boilers
- Kilns

Hamworthy Peabody Combustion services Related to this Product

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

Variations

- **FPM:** Gas-Electric Ignitor with High-Tension (10,000 VAC) Transformer and Spark Rod
- **FPM-RD:** Gas-Electric Ignitor with High Tension (10,000 VAC) Transformer & Spark Rod; Reduced (1 7/8") Diameter for smaller burner applications
- **FP:** Gas Electric Ignitor with High-Tension (10,000 VAC) Transformer and Spark Rod, Ionization Flame Rod & Flame Relay for Ignition Flame Proving
- **FPM-HE:** Gas-Electric Ignitor with High-Energy (12 Joule) Exciter & Spark Rod
- **FP-HE:** Gas-Electric Ignitor with High-Energy (12 Joule) Exciter & Spark Rod, Ionization Flame Rd & Flame Relay for Ignition Flame Proving.
- **Special Variations:** to Meet Specific Application Requirements also Available—Consult Factory.



FPM Ignitor

(FP Series has Additional Connection for Flame Rod to Flame Relay)

SPECIFICATIONS

Ignitor Fuels:	Natural Gas, Propane, Coke Oven Gas, Semi-Clean Waste Gases
Firing Rate:	Up to 5 MM BTU/Hr (Contact Factory for Higher Capacities)
Gas Pressure:	Up to 6 psig (Typical)
Main Fuels to be Ignited:	All Liquid & Gaseous Fuels, Solid Fuels, etc.
Electrical Requirements:	110 VAC/50-60 cycles/1 phase
Air Seal Requirements:	75 SCFM at 25 psig (only when removing ignitor)
NFPA Classes:	2 or 3

For further information on combustion equipment, please contact:

Hamworthy Peabody Combustion, Inc.
 70 Shelton Technology Center
 Shelton, CT 06484
 Tel: 203-922-1199
 Fax: 203-922-9413
 Email: sales@hamworthy-peabody.com
 Website: <http://www.hamworthy-peabody.com>

