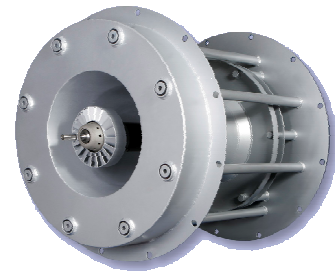
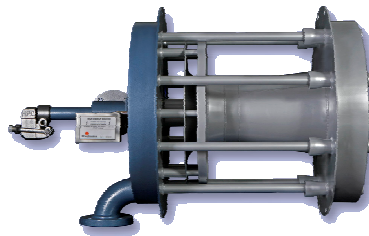
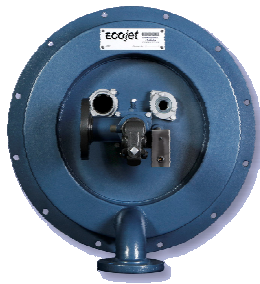


DATASHEET

ECOjet[®] Ultra Low NOx Burner



Key Features

- SMARTflow™ Design Technology
- Staged Fuel Design
- Burner Ramp Rates Not Limited by Speed
- Low & Ultra-Low NOx
- Less FGR required

- Multi-Fuel Capability

Benefits

- Extremely Stable Flames
- High Turndown
- Reduce Boiler Maintenance and Damage
- <30 ppm without FGR; <10 ppm with FGR
- Increased Efficiency, Lower Installation & Operating Costs
- Ability to utilize “opportunity fuels” such as landfill gas, waste gases and liquids, etc. in addition to conventional gases and oils to reduce costs and reduce wastes

Typical Standard Supply

- Burner Assembly
- Ignitor
- Peephole
- Scanner Port

Optional Equipment

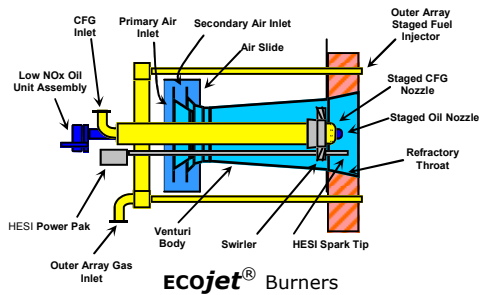
- Windbox Assembly
- Ignitor Options
- Burner Management System
- Combustion Control System
- Fuel & Atomizing Valve Trains

Applications

- Packaged Boilers
- Wall-Fired, Multi-Burner Boilers
- Tangentially-Fired Boilers
- Air Heaters, Dryers, Incinerators

Hamworthy Peabody Combustion services Related to this Product

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



SPECIFICATIONS

Throat Diameter:	10 to 42 inches
Firing Rate:	20-400 MM BTU/HR
NO _x ECOjet [®] :	<30 ppm w/o FGR firing Natural Gas or Refinery Gas
NO _x ECOjet [®] - SLN :	<10 ppm firing Natural Gas or Refinery Gas <70 ppm firing No. 2 Fuel Oil
CO:	<100 ppm
Excess Air Operation:	15% or less typical
Ignitor:	High Energy Direct Spark standard (Dual-Fuel or Gas-Only) Gas (Propane or Nat. Gas)-Electric (Oil-Only firing)
Fuel Pressure:	Oil, 150 psig typical Gas, 10 psig typical
Combustion Air Temp:	Ambient to 650°F
Oil Atomization:	Steam, Air, or Mechanical
Auxiliary Ports:	Flame Scanner, Sight Port
Turndown Ratio:	10:1 Natural Gas, 8:1 Oil (Typical)

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
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