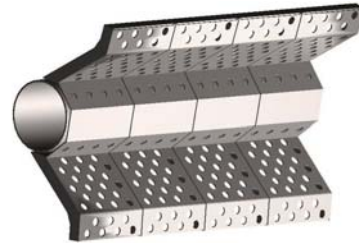
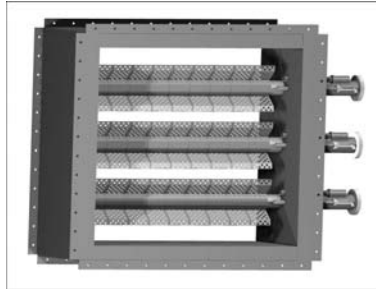


ECOgen™ Duct Burner



- Stabilizer design incorporating over 30 years of duct burner experience.
 - Unique aeration pattern for improved performance.
 - Precise control of fuel/air mixing in the flame base.
 - Optimized combustion staging minimizing flame temperature (lower NOx) without increase in CO or unburned hydrocarbons.
 - High turndown.
 - Minimized flame lengths.
 - Easily adapted to a wide range of operating conditions and fuels, including wide duct burner cross sections, low oxygen exhaust streams, high water content gases, etc.
- Each ECOgen™ duct burner is designed using Hamworthy Peabody Combustion's **SMARTflow™** technology and Hamworthy Combustion's world-leading Advanced Technology Centre, assuring performance and minimizing problems.
 - Minimized need for baffles for velocity control.
 - Multiple nozzle and manifold drillings.
 - Flexible Aeration Stabilizer.
 - Each HPC ECOgen™ Duct Burner is designed to meet the performance requirements specific to the application.
 - Ability to fire a wide variety of gaseous fuels (including "opportunity fuels" such as waste gases) while maintaining emissions requirements.

Typical Supply

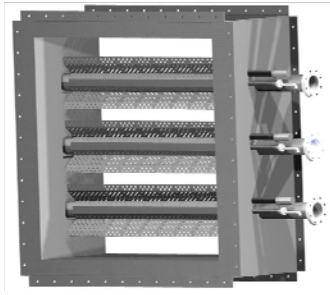
- Duct Burner Assembly
- Ignitor
- Burner Management System
- Fuel Valve Trains
- Control System

Applications

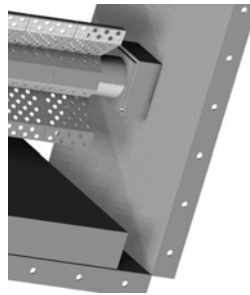
- Heat Recovery Steam Generators (HRSG)
- Fluid Bed Boilers

Hamworthy Peabody Combustion services Related to this Product

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



3-Element ECOgen™ Duct Burner Assembly



Single Burner Row Detail



Single Burner Row Detail

SPECIFICATIONS

Capacity:	6 - 1,000 MM BTU/HR (typical)
Duct Sizes:	6' X 6' to 36' X 60' (no height limitation)
Heat Input:	3 MM BTU/HR per Linear Foot
Turndown:	15:1 or greater
Pressure Drop:	0.1" to 1" W.C.
Temperature Distribution:	±100 Deg. F with ±15% RMS
NOx:	0.05 - 0.08 LB/MM BTU (benchmark)
Ignitor:	High Energy Direct Spark or FPM Gas-Electric
Fuel Manifold Size:	2" - 8"
Fuel Gas Pressure	10 psig (typical)
Material:	309 SS (Stabilizers); 304 SS (Manifolds)
Unsupported Length:	Up to 36'
Stabilizer Configurations:	14

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>