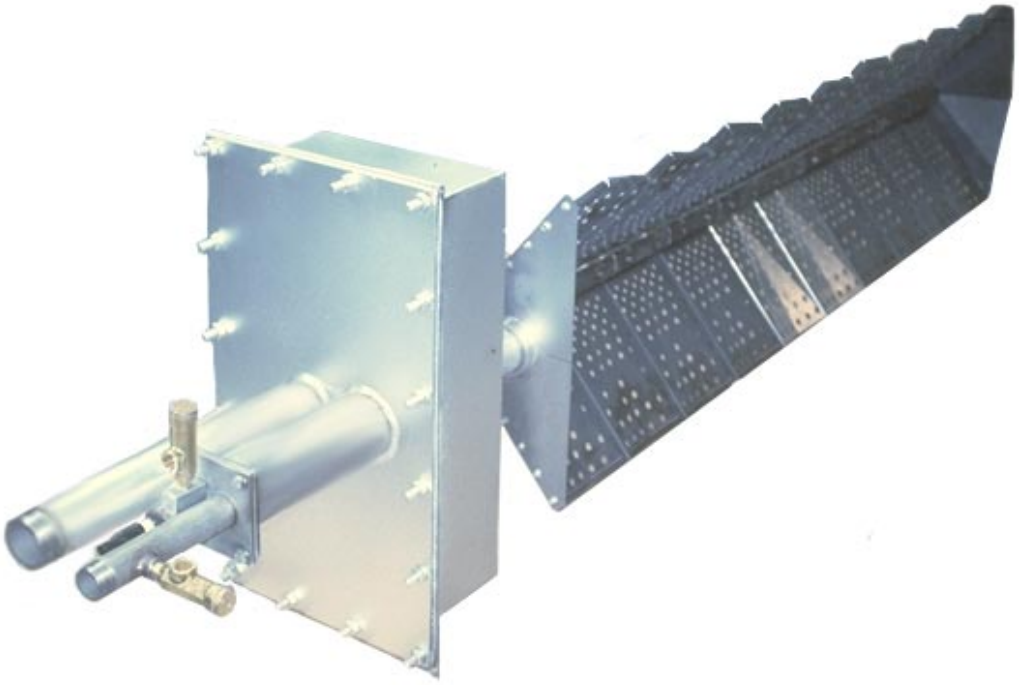
# Maxon “HC” AIRFLO® Gas Burners



- **High heat release** per unit of burner length
- **Process pressure drops across the burner** as low as 0.2" w.c. (0.5 mbar)
- **Operates on low $O_2$ levels** in process streams such as turbine exhaust gases
- **Short flame length** allows use of short combustion chambers
- **Extremely clean and odor-free combustion** with low NOx and CO production levels

MAXON®
CORPORATION
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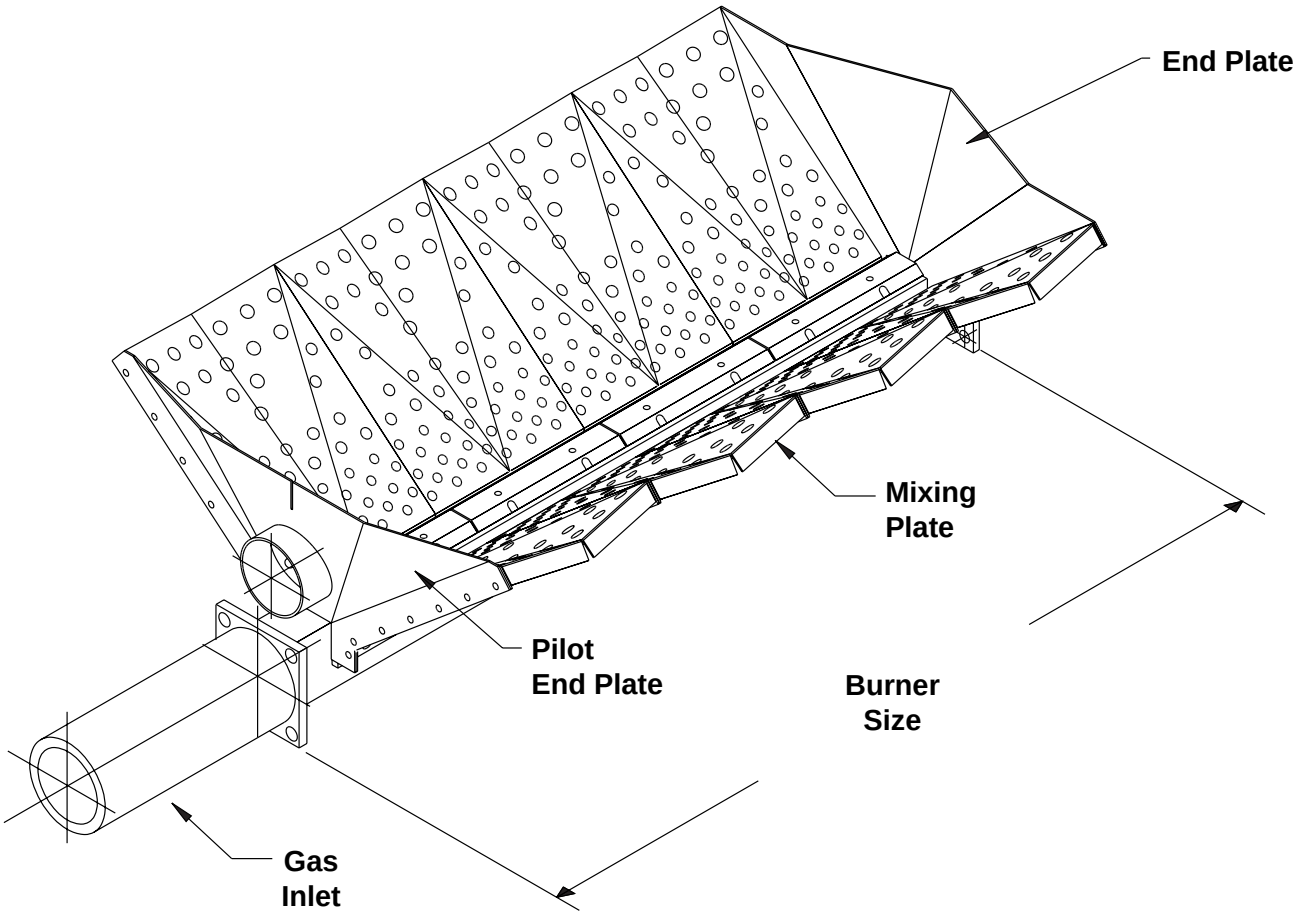
Maxon Series “HC” AIRFLO® Line Burners are designed for fresh and recirculating air heating applications. It is possible to operate Series “HC” AIRFLO® Burners in a process air stream with 12% or less $O_2$ content, provided adequate inlet temperature. The design ensures that requirements of space, capacity and low pressure drops of any application are met.

## Principle of Operation

Part of the air stream to be heated is forced through the burner mixing plates and is used as combustion air. Carefully controlled aeration patterns give progressive mixing, superior cross-ignition, flame retention and clean combustion.

## Applications

- Turbine exhaust reheat applications, with afterburners where low pressure drops are required. Start-up burners for fluidized bed combustion.
- Processes where recirculating air has to be reheated and where oxygen levels may be down to 12%, but also depending on other parameters.
- Fresh air heating.



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