

Process Heater MACT Compliance Solutions for Major Sources

Unmatched Experience and Expertise to Get You Ready.

As the leading combustion technology and equipment provider, John Zink Hamworthy Combustion is uniquely qualified to help you comply with your MACT rule requirements. Our certified energy assessors, factory trained engineers, and expert technicians can leverage the experience of thousands of installations worldwide to develop and implement effective solutions for your facility.

Let us provide a comprehensive energy assessment of your facility and identify opportunities for energy savings and operating cost reductions. With an energy assessment that meets EPA Major Source rule requirements and a review of your heater emissions, we can develop and implement a cost-effective compliance strategy specific to your facility and performance goals.

As required in the standard, we can inspect your burners and flame patterns, help you optimize your CO emissions, and provide tune-up documentation. We can also provide valuable services beyond MACT compliance issues to optimize your equipment performance and operating costs.

- + Troubleshooting for heater problems
- + Upgrade of combustion equipment
- + Modifications to control emissions
- + Operating procedure optimization
- + Energy efficient improvements
- + Ongoing preventative maintenance
- + Installation and support for effective emissions-reduction solutions including:
 - + Low and Ultra-low NOx burners
 - + O₂ trim systems
 - + Burner Management Systems (BMS)



The EPA's Major Source Process Heater MACT Rule: Your Deadline is Approaching.

Enforcement of the new rule started January of 2013 or upon startup for new installations that began operation on or after June 2010. All existing units must be in compliance by January 31, 2016.

John Zink Hamworthy Combustion can provide services to meet work practice standards listed in Process Heater MACT compliance requirements:

- + Energy Assessment
- + Inspection and tune-up

**24-Hour Parts
and Service Hotline**
1.800.755.4252

Process Burner Parts
+1.918.234.2755



The John Zink Hamworthy Combustion Research, Development and Test Centers make up the largest and most advanced testing complex in the industry. These exclusive resources help ensure our parts and equipment are always designed to deliver superior performance.

Turnaround Pre-Inspection

Our experts perform thorough inspection – or combustion survey – prior to shutdown, providing concise reports that clearly identify parts that need to be replaced and any other services needed for optimum system performance. By scheduling this inspection at least 3 months to a year in advance of a planned turnaround, you will ensure the availability of the components needed to maintain the function of your equipment. You will also be able to more accurately report the timing and budget of your turnaround.

On-Site Training

Thousands of professionals have attended the John Zink InstituteSM to learn from the industry leaders. But you don't have to travel. We can bring a customized course to your facility. Our instructors will tailor the curriculum to your actual operating conditions and equipment – providing focused study for practical implementation of our improvement suggestions.

Spare Parts Supply and Identification

By using genuine John Zink Hamworthy Combustion parts, you are guaranteed interchangeability, and the permanent availability of the parts you need. We offer a vast inventory of spares and replacement parts ready for immediate shipment, and our clear, convenient packing means you won't waste time trying to identify parts.



Contact us today at burnerparts@johnzink.com to learn how our comprehensive parts and service solutions can improve the ongoing performance of your systems and meet work practice standards listed in Process Heater MACT compliance requirements.



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Emissions+, the FREE emissions and conversions calculator by John Zink Hamworthy Combustion. Available in the iTunes App store and on Google Play.