

Fired heater parts and aftermarket services

OEM parts and modules

Wood supplies replacement components for most types of fired heaters.

Whatever the age or location of your fired heater, we can provide replacement parts or modules and support your operational, maintenance and upgrading goals

With the assistance of our highly-qualified engineering specialists, most items we supply are custom designed and of specialty construction to address our clients' concerns.

We recognise the importance of responding quickly, pricing competitiveness and on-time delivery. Additionally, all our replacement parts are designed, tested, and inspected prior to shipment to meet our high OEM standards and supplied with full technical and quality control documentation package to our clients for future reference.

Should your requirements include upgraded metallurgy or other modifications, we can incorporate these changes for ease of replacement into your existing fired heater. Our full spectrum of highly specialised services connected to any replacement parts ensures the long-time reliability of your heaters.

Fired heater studies and services

We work closely with our clients to address unique needs or concerns for equipment operation, development of studies, site services, consultations, training and turnaround planning.

Our experienced staff can provide an audit of the current operation for correct mechanical installation, burner operation and general fired heater operations. Through this audit, we assist in identifying all essential needs for turnarounds to ensure the maximum effectiveness of the planned outages.

We also train operators to adjust burners for proper heater operation or propose energy recovery options to reduce fuel use.

Our site services are valued for the in-depth assessment of the heater operation status. We can offer a variety of studies, comprehensive plans for upgrades and revamps options based on the current equipment conditions.

Wood and Amec Foster Wheeler

In 2017, Wood Group and Amec Foster Wheeler merged together to create Wood, a global leader in engineering and technical services to energy and industrial markets.

Decades of performance

For over 100 years, Wood has supported the operation, maintenance and parts requests for fired heaters. Many of our fired heaters are still performing well beyond their original design life, which means quality parts are critical for keeping these units operational.

Our experts provide the right materials and services to return your fired heaters to OEM condition or upgrade them to current/future operations and requirements.

As the OEM of fired heaters, we offer continuous improvements to existing units and assist clients in extending the life of their heater.

Visit woodplc.com/fired-heaters for more info.



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Revamps and upgrades

Many of our design improvements can provide the benefits of lower maintenance costs, higher availability, better operating limits, lower NOx or improved fuel efficiency.

- Low-NOx burner selection, floor modification and furnace balancing
- SCR addition including any additional heat recovery modifications
- Convection section partial retubing or complete replacement
- Radiant coil replacement with state-of-the-art metallurgy for higher operating limits
- Emergency replacement part supply and advisory services
- Air preheat addition for improved fuel efficiency
- Capacity increase to maximise the installed equipment
- Change the process service on installed equipment
- Metallurgy upgrades, crude slate changes or metallurgy issues
- Stack replacements

Your partner of choice

Wood has a large installation base of fired heaters that have provided decades of reliable service that now may need upgrading or maintenance that we can provide.

We offer a variety of replacement parts, from smaller scale emergency orders to restore critical operations to complex long-term SPIR (spare parts interchangeability report) projects, all while upholding the standards and integrity of an OEM. Our high-skilled engineering advisory services, full spectrum technical support, quick response times and excellent client service makes us the partner of choice for any project.

When enquiring

If available, include the Wood contract number or furnace serial number (located on the nameplate) to ensure a prompt response to your enquiry. If your enquiry concerns other manufacturers, please provide appropriate drawings or descriptions.

We look forward to connecting with you and assisting you with your next fired heater replacement parts project.

For more information and quotations, contact us at:
woodplc.com/fired-heaters or
fired.heaters@woodplc.com

Available replacements parts include:

Sight doors

- Sight doors – tight sealing
- Sight doors – glass enclosed
- Sight door surrounds

Tube supports

- Wall and arch cast hangers
- Tube 'keepers'
- End tube sheets
- Intermediate cast tube supports

Tubes and extended surface

- Hairpin assemblies
- Finned and studded tubes
- Flanges and other fittings
- Tubeskin thermocouples

Plug headers

- Standard plugs
- Contoured-piggable plugs

Convection section

- Modular replacement
- Header box replacement
- Penetration seals

Burners

- Burner tips
- Pilots
- Tiles
- Plenums, air registers

Auxiliary equipment

- Air preheaters
- ID and FD fans
- Dampers and actuators
- SCR and catalyst
- Ducts and plenums

Spring supports and hardware