

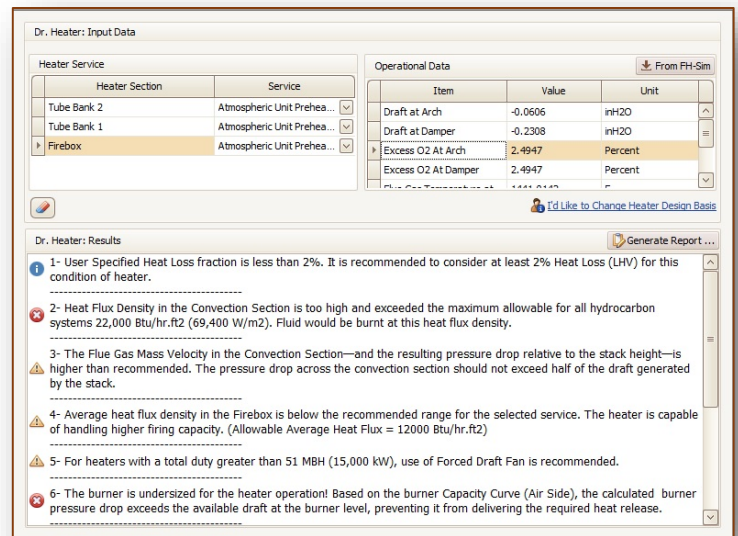
Dr. Heater® is a proprietary, high-speed diagnostic module within FHinfinity®, designed for process and design engineers who demand precision and speed. Unlike any other software on the market, it provides instant technical validation by cross-referencing simulation results against a comprehensive, built-in database of global standards.

Unmatched Standard Compliance Database

Dr. Heater's core strength is its extensive knowledge base, which includes:

- API Standards: API 560, API 530, API 535
- ASME Codes: For mechanical integrity
- OEM Guidelines: Proprietary limits from major burner and heater manufacturers

This multi-layered validation ensures that your design is not just theoretically sound, but compliant with the strictest industry benchmarks.



Dual-Purpose Engineering Tool

Dr. Heater is unique in the market—no other software offers this level of integrated diagnostic capability. It serves two critical functions:

Design Verification (Pre-Commissioning): Validate new designs against thermal, hydraulic, and mechanical limits before fabrication. Identify risks like excessive flux density or erosion early.

Operational Troubleshooting & Optimization (Post-Commissioning): Diagnose root causes of field issues—tube failures, slug flow vibration, combustion inefficiency, or draft imbalances.... Optimize performance and extend asset life.

Seamless Workflow

- **Auto-Load:** Simulation results are imported instantly after convergence
- **Define Service:** Select service types for each tube bank (e.g., VDU, Steam Superheating). Multi-service support included
- **Input Data:** Enter operational parameters (draft, excess O₂, ambient conditions)
- **Analyze:** Run thousands of checks in seconds. Results are categorized by severity: Alarms, Cautions, and Notes.