



## CONDENSING BOILER TECHNOLOGY

*Bringing firetube hydronic boilers and control technologies to unprecedented levels of performance.*





FlexCore Symmetrical Firetube boilers bring hydronic heating products to unprecedented levels of operating efficiency.

FlexCore was designed, developed and engineered by the experts at RBI.

Engineered for performance and longevity, FlexCore utilizes a perfectly temperature-balanced heat exchanger that provides not only the highest efficiencies but also a durability beyond that of any competitive firetube boiler on the market.



### Features and Benefits

- 1000 - 6000 MBH
- 96.8% AHRI Certified\*
- Symmetrical Firetube Heat Exchanger
- Primary/Secondary, Full Flow and Variable Flow Systems
- Full Modulation (10:1, 1000-3000/5:1, 3500-6000)
- O2 Monitoring
- Patented "Turbo Pilot" 8,000 BTU/h Ignition
- HeatNet 3.0 Integrated Control Platform
- Touchscreen Programming & Diagnostics
- Modbus, LonWorks, BACnet BMS Integration
- Low NOx & CO
- Modern Jacket Design
- Premium Efficiency
- Superior Durability
- Easy Installation & Maintenance
- Versatile Footprint Fits Through 36" Door (ALL SIZES)
- PVC/CPVC & Polypropylene (PP) Vent
- Sika Vortex Flow Sensor

\*Efficiencies and turndown vary by size.



Scan or Click



All "firtube" boilers are designed to do the same thing: Heat water in an efficient manner.

That is where the comparison ends!

*The RBI difference...*

FlexCore Symmetrical Firtube boilers are designed for the long haul with no tradeoffs in efficiencies. In order to operate at premium condensing efficiencies many factors come into play that can affect the design, performance and, as importantly, the durability.

FlexCore is engineered to provide perfect temperature symmetry around an ultra-high efficient core. Flue gas temperatures are even and a consistent temperature rise across all the tubes results in a unrivaled <math><5^\circ</math> temperature difference across the heat exchanger with NO intra-tubular stresses as seen in many of today's competitive designs.

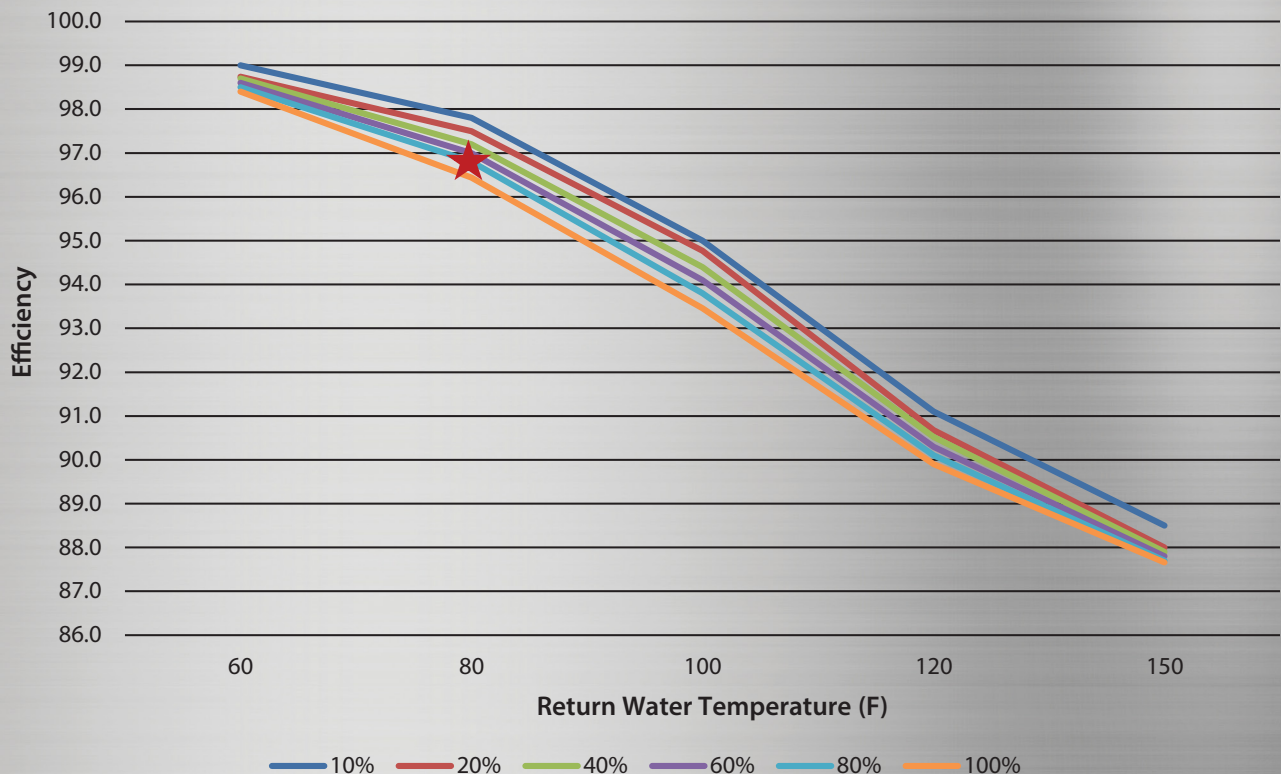
RBI "flexes" its strength by design. At its core is a piston-like heat exchanger engineered to eliminate the expansion and contraction stresses seen in today's boilers by creating a temperature balanced symmetrical upper tube sheet reminiscent of a diaphragm that absorbs the stresses from this piston-like motion at any water temperature delta.

Condensate is removed through FlexCore's linear design resulting in ultra-high efficiencies in a compact design with minimal corrosive effects.

FlexCore scrubs every last bit of heat from the combustion gases keeping stresses low and efficiencies high at all modulation rates, making FlexCore the most efficient boiler on the market today.



Flexcore Series Efficiency



★ 96.8% AHRI Certified Product Performance Thermal Efficiency (CK3000)



**HEATNET<sub>3.0</sub>**  
**VIRTUOSO<sub>2</sub>**  
 ADVANCED HIGH TURNDOWN CONTROLS **2** - High Turndown

FlexCore boilers (1000-3000) are available with our **NEW Virtuoso<sub>2</sub>** high turndown system. Working off the legendary Tru-Flow air/fuel coupling system; the engineers at RBI have developed an air shutter driven system expanding the turndown ratio to 10:1.

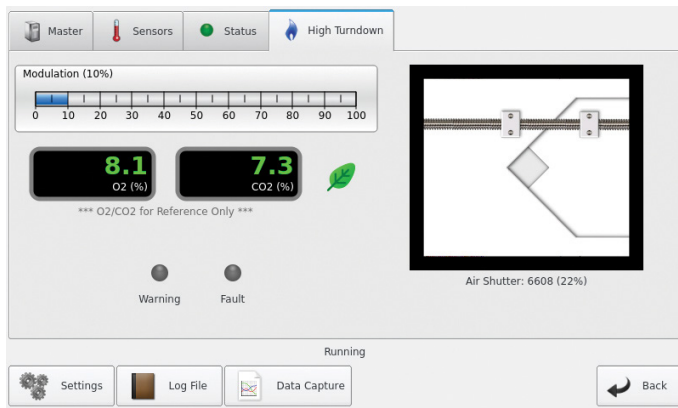
The uniquely designed air shutter system is positioned between the venturi and the blower inlet. The air shutter opens and closes electronically depending on the firing rate. The air shutter and blower design protect against intake and flue pressure fluctuations by maintaining blower RPM; providing complete combustion stability across the firing rate without sacrificing performance and reliability at any turndown ratio.

**O<sub>2</sub> Monitoring:**

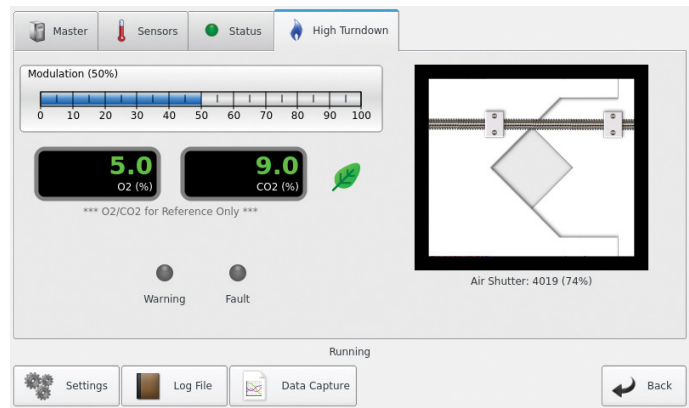
Temperatures and air density changes can effect boiler combustion. O<sub>2</sub> sensors measure oxygen levels in the exhaust. The Virtuoso<sub>2</sub> control platform incorporates a proven Bosch O<sub>2</sub> sensor for real-time monitoring that can be instantly accessed by operators and technicians for instant adjustments for improved efficiencies and lower emissions.

- Improved Efficiencies
- Lower Emissions
- Better Burner Distribution
- Precision Firing-rate Control
- Less Cycling
- No Restrictions on Water Temp
- Improved Comfort & Overall Performance
- Matched Input Across all Firing Rates
- No Nuisance Lockouts - Less Maintenance
- No Environmental Fluctuations (wind)

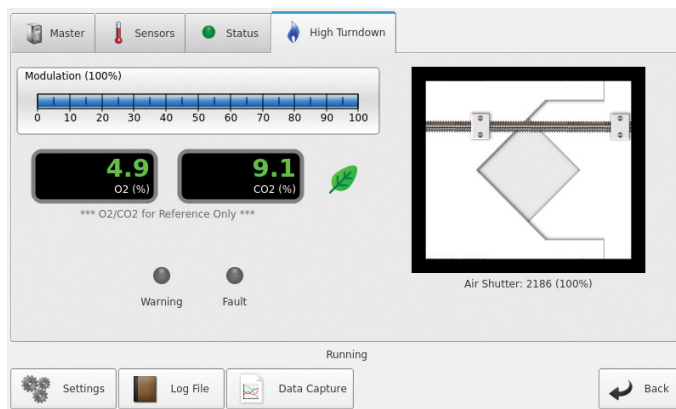
**10% Turndown**



**50% Turndown**



**100% Full Fire**

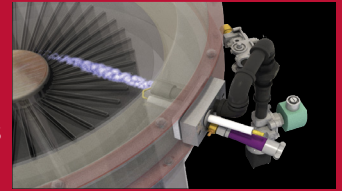




## The Turbo Pilot®, Rugged & Reliable

Another investment in the reliable performance that's built into the FlexCore is its patented Turbo Pilot system. RBI's Turbo Pilot is a industry proven ignition system with 1000's of units installed globally.

A robust 8,000 BTU/h ignition system, Turbo Pilot is far more reliable and durable than any hot surface ignition and direct spark system. The Turbo Pilot gives burner ignition a surefire, powerful ignition source even in applications with fluctuating gas pressures.

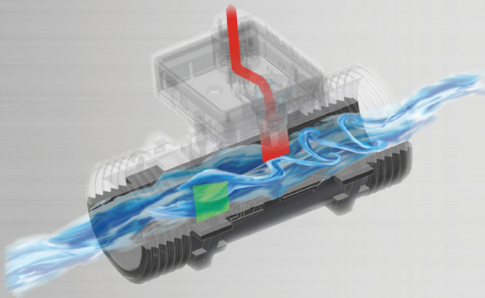


Patented Turbo Pilot 8,000 BTU/h Surefire Ignition System

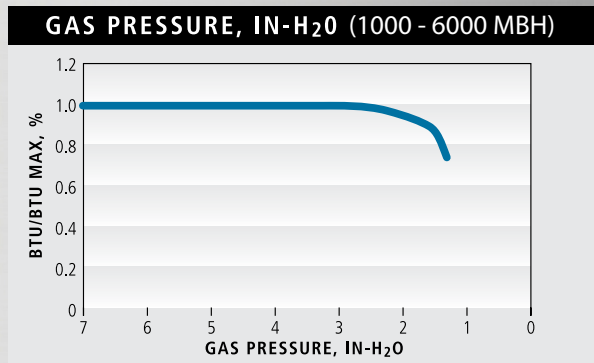
UV detection keeps system diagnostics informed about performance; a technician can also use the observation port to confirm spark/flame without removing the pilot or burner assembly.

## Increase Efficiency Without Compromise

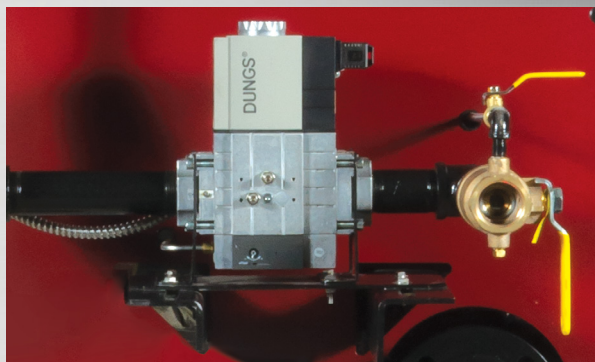
RBI's state-of-the-art air/fuel coupling combustion control system is instantly responsive and completely adaptable. This unique boiler combustion control system is designed to keep the FlexCore running safe, clean and efficient. The system reacts to changes in air and instantly compensates fuel supply by adjusting input to maintain a constant air/fuel mixture across the modulation range. The unique design of the air/fuel mixing system ensures a complete and consistent air/fuel mixture to the burner which increase combustion efficiency and repeatability all while maintaining low emissions.



All FlexCore Firetube Series boilers include a SIKA vortex flow sensor mounted in a by-pass configuration and mapped to indicate the boiler flow in (gpm). The SIKA flow sensor utilizes vortex technology which is then converted to an electrical signal sent directly to the HeatNet Boiler Management System for real time flow annunciation. The SIKA flow sensor is fully adjustable throughout the boiler model operating range.



FlexCore units are capable of full-fire output at a minimum of 3" wc.

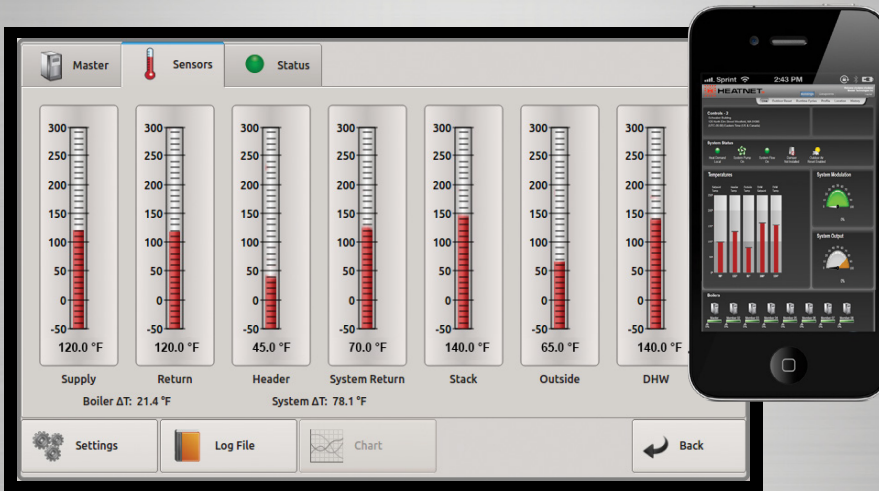


Advanced gas train design monitors and regulates gas input based on combustion air pressure, which in turn provides highly repeatable air/fuel ratio throughout the operating range.



Every premium efficiency boiler manufactured by the Mestek Boiler Group is integrated with HeatNet 3.0® – an innovative, digital Boiler Management System that provides consistency and feedback through digital communication. By continuously monitoring several system characteristics, HeatNet 3.0 modulates boiler firing rates to maximize turndown ratios and maintain peak efficiency – no matter the load.

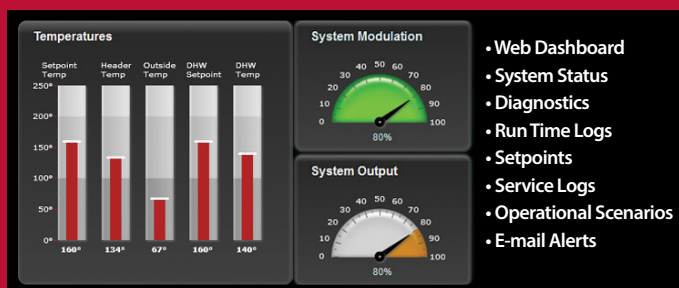
HeatNet 3.0 doesn't just benefit stand-alone boilers; it is a valuable and cost-saving tool in operating a multi-boiler Master/Member network of up to 16 boilers, including mixed-size units. By functioning as a boiler management system, HeatNet 3.0 can incorporate a mixture of condensing boilers and non-condensing boilers to eliminate costly third-party, wall-mounted boiler control platforms.



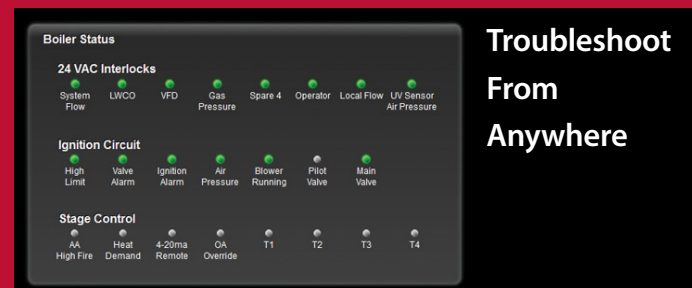
- Digital Touch Screen Programming
- Lead/Lag Cascade (16 Units)
- Mixed-Size Unit Communication
- Adaptive Modulation
- Circular Pump/VFD/Valve Control
- BMS Integration
- Freeze Protection & Delta T Monitoring
- Hybrid/base Load Capability
- Priority Boiler Control
- Domestic Hot Water Communication
- Web-Based Remote Monitoring/Dashboard
- Diagnostics and Troubleshooting
- Set Points
- Exclusive Remote Monitoring Capability with HeatNet Online

## HeatNet Online: Remote Monitoring, Boiler Performance Control & System Protection

HeatNet Online allows for real-time remote monitoring of boiler temperatures, limit circuit inputs, diagnostics and overall system performance.



- Web Dashboard
- System Status
- Diagnostics
- Run Time Logs
- Setpoints
- Service Logs
- Operational Scenarios
- E-mail Alerts



**Troubleshoot From Anywhere**

### Building Dashboard

- Supports Multiple Systems
- "Live" Data Updated Every 60 Seconds
- Setpoint, Header, DHW Set, DHW (if enabled) Stack (if detected)
- System Modulation, System Output
- Visual Cues for Firing Boilers

### System History

- Visual Trending
  - Header Temp
  - Modulation
  - DHW Temp
  - Setpoints (Operating, DHW)
- "Zoom" Charting Scales from Hour to Minute Interval
- Log Entries
  - Full Log Event
  - Event Description
  - System Detail
  - No 1000 Log Limit

### Service Log History

- Individual Entries Can Be Stand Alone or Attached to Warnings, Faults
- File Upload
  - Allows Technicians to Upload Pictures From Phone
- Dynamic Link
  - Links to Product Specific Support Literature



|  | CK1000      | CK1500      | CK2000      | CK2500      | CK3000      | CK3500    | CK4000    | CK4500    | CK5000    | CK6000    |
|--|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|
| <b>Boiler Ratings and Capacities</b>       |             |             |             |             |             |           |           |           |           |           |
| Input MBH                                  | 1,000       | 1,500       | 1,999       | 2,500       | 3,000       | 3,499     | 3,998     | 4,500     | 5,000     | 6,000     |
| Output MBH (High Fire)                     | 955         | 1,426       | 1,901       | 2,397       | 2,904       | 3,327     | 3,802     | 4,329     | 4,795     | 5,808     |
| AHRI Thermal Efficiency (%)                | 95.5        | 95.1        | 95.1        | 95.9        | 96.8        | 95.1      | 95.1      | 96.2      | 95.9      | 96.8      |
| Turn Down                                  | 10:1        | 10:1        | 10:1        | 10:1        | 10:1        | 5:1       | 5:1       | 5:1       | 5:1       | 5:1       |
| Boiler HP                                  | 28.5        | 42.6        | 56.8        | 71.6        | 86.8        | 99.4      | 113.6     | 129.3     | 143.2     | 173.5     |
| Fuel Type                                  | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas   | Nat Gas   | Nat Gas   | Nat Gas   | Nat Gas   |
| Category                                   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV | CAT II/IV | CAT II/IV | CAT II/IV | CAT II/IV |
| Water Volume (gal)                         | 42          | 40          | 62          | 58          | 56          | 102       | 124       | 96        | 116       | 112       |
| Design Data - (Max working Press)          | 160 psig    | 160 psig    | 160 psig    | 160 psig    | 160 psig    | 160 psig  | 160 psig  | 160 psig  | 160 psig  | 160 psig  |
| ASME Sect IV Fireside Htg Surface (sq-ft)  | 82          | 124         | 168         | 202         | 235         | 292       | 336       | 359       | 404       | 470       |
| ASME Sect IV Waterside Htg Surface (sq-ft) | 85          | 132         | 174         | 211         | 244         | 306       | 348       | 376       | 422       | 488       |
| Cv GPM (1PSIG)                             | 87          | 85          | 93          | 100         | 132         | 165       | 168       | 155       | 166       | 178       |
| Electrical (Standard)                      | 120V-1ph    | 230V-1ph    | 230V-1ph    | 230V-3ph    | 230V-3ph    | 230V-3ph  | 230V-3ph  | 230V-3ph  | 230V-3ph  | 230V-3ph  |
| Electrical (Optional - 3ph)                | N/A         | 208-575V    | 208-575V    | 208-575V    | 208-575V    | 208-575V  | 208-575V  | 208-575V  | 208-575V  | 208-575V  |
| Boiler FLA (amps)                          | 17.6        | 13.0        | 13.0        | 11.0        | 11.0        | 20.6      | 20.6      | 20.6      | 20.6      | 20.6      |
| Min. Gas Pressure (w.c.)                   | 3           | 3           | 3           | 3           | 3           | 3         | 3         | 3         | 3         | 3         |
| Max. Gas Pressure (w.c.)                   | 14          | 14          | 14          | 14          | 14          | 14        | 14        | 14        | 14        | 14        |
| <b>Boiler Temp Rise/Press Drop</b>         |             |             |             |             |             |           |           |           |           |           |
| Max. Flow Rate (gpm) @ 20 delta t (f)      | 95.5        | 142.7       | 190.2       | 239.8       | 290.5       | 332.9     | 380.4     | 433.1     | 479.7     | 581       |
| Min. Flow Rate (gpm) @ 100 delta t (f)     | 19.1        | 28.5        | 38          | 48          | 58.1        | 66.6      | 76.1      | 86.6      | 95.9      | 116.2     |
| 40°F - delta t (Flow Rate, gpm)            | 47.8        | 71.4        | 95.1        | 119.9       | 145.3       | 166.4     | 190.2     | 216.5     | 239.8     | 290.5     |
| Pressure drop (ft-hd)                      | 0.7         | 1.6         | 2.4         | 3.3         | 2.8         | 2.3       | 3.0       | 4.5       | 4.8       | 6.1       |
| 60°F - delta t (Flow Rate, gpm)            | 31.8        | 47.6        | 63.4        | 79.9        | 96.8        | 111       | 126.8     | 144.4     | 159.9     | 193.7     |
| Pressure drop (ft-hd)                      | 0.3         | 0.7         | 1.1         | 1.5         | 1.2         | 1.0       | 1.3       | 2.0       | 2.1       | 2.7       |
| 80°F - delta t (Flow Rate, gpm)            | 23.9        | 35.7        | 47.5        | 60          | 72.6        | 83.2      | 95.1      | 108.3     | 119.9     | 145.3     |
| Pressure drop (ft-hd)                      | 0.2         | 0.4         | 0.6         | 0.8         | 0.7         | 0.6       | 0.7       | 1.1       | 1.2       | 1.5       |
| Max Vent (Equiv. ft)                       | 100         | 100         | 100         | 100         | 100         | 100       | 100       | 100       | 100       | 100       |
| Max Combustion Air (Equiv. ft)             | 100         | 100         | 100         | 100         | 100         | 100       | 100       | 100       | 100       | 100       |
| <b>Boiler Trim</b>                         |             |             |             |             |             |           |           |           |           |           |
| Number of Relief Valves                    | 1           | 1           | 1           | 1           | 1           | 2         | 2         | 2         | 2         | 2         |
| Relief Valve Pressure Rating (PSI)         | 50          | 50          | 50          | 50          | 50          | 50        | 50        | 50        | 50        | 50        |
| Inlet Water Connection (in)                | 3           | 3           | 3           | 3           | 3           | 4         | 4         | 4         | 4         | 4         |
| Outlet Water Connection (in)               | 3           | 3           | 3           | 3           | 3           | 4         | 4         | 4         | 4         | 4         |
| Gas Connection (in)                        | 1           | 1-1/2       | 1-1/2       | 1-1/2       | 1-1/2       | 2-1/2     | 2-1/2     | 2-1/2     | 2-1/2     | 2-1/2     |
| Vent Outlet Connection (in)                | 5           | 6           | 6           | 8           | 8           | 10        | 10        | 10        | 12        | 12        |
| Standard Vent Material                     | SS          | SS          | SS          | SS          | SS          | SS        | SS        | SS        | SS        | SS        |
| Optional Non Metallic Vent Material        | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PP        | PP        | PP        | PP        | PP        |
| Combustion Air Connection                  | 6           | 8           | 8           | 8           | 8           | 10        | 10        | 10        | 12        | 12        |
| <b>Dimensions</b>                          |             |             |             |             |             |           |           |           |           |           |
| Height (in)                                | 80          | 80          | 80          | 80          | 80          | 80        | 80        | 80        | 80        | 80        |
| Width (in)                                 | 32          | 32          | 32          | 32          | 32          | 34        | 34        | 34        | 34        | 34        |
| Depth (in)                                 | 70          | 70          | 72.4        | 72.4        | 72.4        | 109.4     | 109.4     | 109.4     | 109.4     | 109.4     |
| Operating Weight (lbs.)                    | 1725        | 1780        | 2290        | 2340        | 2425        | 4070      | 4580      | 4200      | 4685      | 4885      |
| Shipping Weight (lbs.)                     | 1515        | 1555        | 1880        | 1955        | 2055        | 3420      | 3745      | 3600      | 3920      | 4150      |
| <b>Clearance Service/Combustible</b>       |             |             |             |             |             |           |           |           |           |           |
| Front (in)                                 | 36/6        | 36/6        | 36/6        | 36/6        | 36/6        | 36/6      | 36/6      | 36/6      | 36/6      | 36/6      |
| Rear (in)                                  | 24/6        | 24/6        | 24/6        | 24/6        | 24/6        | 24/6      | 24/6      | 24/6      | 24/6      | 24/6      |
| Right Side (in)                            | 24/6        | 24/6        | 24/6        | 24/6        | 24/6        | 24/6      | 24/6      | 24/6      | 24/6      | 24/6      |
| Left Side (in)                             | 24/6        | 24/6        | 24/6        | 24/6        | 24/6        | 24/6      | 24/6      | 24/6      | 24/6      | 24/6      |
| Top (in)                                   | 30/6        | 30/6        | 30/6        | 30/6        | 30/6        | 30/6      | 30/6      | 30/6      | 30/6      | 30/6      |





**FLEXCORE**<sup>®</sup>  
SYMMETRICAL FIRETUBE

# Boiler Product Specifications - Metric CK1000-CK6000

|  | CK1000      | CK1500      | CK2000      | CK2500      | CK3000      | CK3500    | CK4000    | CK4500    | CK5000    | CK6000    |
|--|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|
| <b>Boiler Ratings and Capacities</b>       |             |             |             |             |             |           |           |           |           |           |
| Input kW                                   | 293         | 440         | 586         | 733         | 879         | 1,025     | 1,172     | 1,319     | 1,465     | 1,758     |
| Output kW (High Fire)                      | 280         | 418         | 557         | 703         | 851         | 975       | 1,114     | 1,269     | 1,405     | 1,702     |
| AHRI Thermal Efficiency (%)                | 95.5        | 95.1        | 95.1        | 95.9        | 96.8        | 95.1      | 95.1      | 96.2      | 95.9      | 96.8      |
| Turn Down                                  | 10:1        | 10:1        | 10:1        | 10:1        | 10:1        | 5:1       | 5:1       | 5:1       | 5:1       | 5:1       |
| Boiler HP                                  | 28.5        | 42.6        | 56.8        | 71.6        | 86.8        | 99.4      | 113.6     | 129.3     | 143.2     | 173.5     |
| Fuel Type                                  | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas     | Nat Gas   | Nat Gas   | Nat Gas   | Nat Gas   | Nat Gas   |
| Category                                   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV   | CAT II/IV | CAT II/IV | CAT II/IV | CAT II/IV | CAT II/IV |
| Water Volume (lit)                         | 160         | 151         | 234         | 219         | 210         | 385       | 468       | 363       | 438       | 424       |
| Design Data - (Max working Press)          | 160 psig    | 160 psig    | 160 psig    | 160 psig    | 160 psig    | 160 psig  | 160 psig  | 160 psig  | 160 psig  | 160 psig  |
| ASME Sect IV Fireside Htg Surface (sq-mt)  | 7.62        | 11.5        | 15.6        | 18.8        | 21.8        | 21.7      | 31.2      | 33.3      | 37.6      | 43.6      |
| ASME Sect IV Waterside Htg Surface (sq-mt) | 7.9         | 12.3        | 16.2        | 19.6        | 22.6        | 28.5      | 32.4      | 34.9      | 39.2      | 45.2      |
| Cv GPM (1PSIG)                             | 87          | 85          | 93          | 100         | 132         | 165       | 168       | 155       | 166       | 178       |
| Electrical (Standard)                      | 120V-1ph    | 230V-1ph    | 230V - 1ph  | 230V-3ph    | 230V-3ph    | 230V-3ph  | 230V-3ph  | 230V-3ph  | 230V-3ph  | 230V-3ph  |
| Electrical (Optional - 3ph)                | N/A         | 208V-575V   | 208-575V    | 208-575V    | 208-575V    | 208-575V  | 208-575V  | 208-575V  | 208-575V  | 208-575V  |
| Boiler FLA (amps)                          | 17.6        | 13.0        | 13.0        | 11.0        | 11.0        | 20.6      | 20.6      | 20.6      | 20.6      | 20.6      |
| Min. Gas Pressure (w.c.)                   | 3           | 3           | 3           | 3           | 3           | 3         | 3         | 3         | 3         | 3         |
| Max. Gas Pressure (w.c.)                   | 14          | 14          | 14          | 14          | 14          | 14        | 14        | 14        | 14        | 14        |
| <b>Boiler Temp Rise/Press Drop</b>         |             |             |             |             |             |           |           |           |           |           |
| Max. Flow Rate (L/s) @ 20 delta-t (c)      | 6.0         | 9.0         | 12.0        | 15.1        | 18.3        | 21.0      | 24.0      | 27.3      | 30.3      | 36.7      |
| Min. Flow Rate (L/s) @ 100 delta-t (c)     | 1.2         | 1.8         | 2.4         | 3.0         | 3.6         | 4.2       | 4.8       | 5.5       | 6.1       | 7.3       |
| 40 deg c - delta t (Flow Rate, L/s)        | 3.0         | 4.5         | 6.0         | 7.6         | 9.1         | 1.5       | 12.0      | 13.7      | 15.1      | 18.3      |
| Pressure drop (kPa)                        | 2.1         | 4.8         | 7.2         | 9.9         | 8.4         | 7.0       | 8.8       | 13.5      | 14.4      | 18.4      |
| 60 deg c - delta t (Flow Rate, L/s)        | 2.0         | 3.0         | 4.0         | 5.0         | 6.1         | 7.0       | 8.0       | 9.1       | 10.1      | 12.2      |
| Pressure drop (kPa)                        | 0.9         | 2.1         | 3.2         | 4.4         | 3.5         | 3.1       | 3.9       | 6.0       | 6.4       | 8.2       |
| 80 deg c - delta t (Flow Rate, L/s)        | 1.5         | 2.2         | 3.0         | 3.8         | 4.5         | 5.3       | 6.0       | 6.8       | 7.6       | 9.2       |
| Pressure drop (kPa)                        | 0.5         | 1.2         | 1.8         | 2.5         | 2.0         | 1.8       | 2.2       | 3.4       | 3.6       | 4.6       |
| Max Vent (Equiv. ft)                       | 100         | 100         | 100         | 100         | 100         | 100       | 100       | 100       | 100       | 100       |
| Max Combustion Air (Equiv. ft)             | 100         | 100         | 100         | 100         | 100         | 100       | 100       | 100       | 100       | 100       |
| <b>Boiler Trim</b>                         |             |             |             |             |             |           |           |           |           |           |
| Number of Relief Valves                    | 1           | 1           | 1           | 1           | 1           | 2         | 2         | 2         | 2         | 2         |
| Relief Valve Pressure Rating (PSI)         | 50          | 50          | 50          | 50          | 50          | 50        | 50        | 50        | 50        | 50        |
| Inlet Water Connection (in)                | 3           | 3           | 3           | 3           | 3           | 4         | 4         | 4         | 4         | 4         |
| Outlet Water Connection (in)               | 3           | 3           | 3           | 3           | 3           | 4         | 4         | 4         | 4         | 4         |
| Gas Connection (in)                        | 1           | 1-1/2       | 1-1/2       | 1-1/2       | 1-1/2       | 2-1/2     | 2-1/2     | 2-1/2     | 2-1/2     | 2-1/2     |
| Vent Outlet Connection (in)                | 5           | 6           | 6           | 8           | 8           | 10        | 10        | 10        | 12        | 12        |
| Standard Vent Material                     | SS          | SS          | SS          | SS          | SS          | SS        | SS        | SS        | SS        | SS        |
| Optional Non Metallic Vent Material        | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PVC/CPVC/PP | PP        | PP        | PP        | PP        | PP        |
| Combustion Air Connection                  | 6           | 8           | 8           | 8           | 8           | 10        | 10        | 10        | 12        | 12        |
| <b>Dimensions</b>                          |             |             |             |             |             |           |           |           |           |           |
| Height (mm)                                | 2031.9      | 2031.9      | 2031.9      | 2031.9      | 2031.9      | 2031.9    | 2031.9    | 2031.9    | 2031.9    | 2031.9    |
| Width (mm)                                 | 812.8       | 812.8       | 812.8       | 812.8       | 812.8       | 863.6     | 863.6     | 863.6     | 863.6     | 863.6     |
| Depth (mm)                                 | 1778        | 1778        | 1838.3      | 1838.3      | 1838.3      | 2770.7    | 2770.7    | 2770.7    | 2770.7    | 2770.7    |
| Operating Weight (kgs.)                    | 782         | 807         | 1039        | 1061        | 1100        | 1846      | 2077      | 1905      | 2125      | 2216      |
| Shipping Weight (kgs.)                     | 687         | 705         | 853         | 887         | 932         | 1551      | 1699      | 1633      | 1778      | 1882      |
| <b>Clearance Service/Combustible</b>       |             |             |             |             |             |           |           |           |           |           |
| Front (mm)                                 | 914/153     | 914/153     | 914/153     | 914/153     | 914/153     | 914/153   | 914/153   | 914/153   | 914/153   | 914/153   |
| Rear (mm)                                  | 610/153     | 610/153     | 610/153     | 610/153     | 610/153     | 610/153   | 610/153   | 610/153   | 610/153   | 610/153   |
| Right Side (mm)                            | 610/153     | 610/153     | 610/153     | 610/153     | 610/153     | 610/153   | 610/153   | 610/153   | 610/153   | 610/153   |
| Left Side (mm)                             | 610/153     | 610/153     | 610/153     | 610/153     | 610/153     | 610/153   | 610/153   | 610/153   | 610/153   | 610/153   |
| Top (mm)                                   | 762/153     | 762/153     | 762/153     | 762/153     | 762/153     | 762/153   | 762/153   | 762/153   | 762/153   | 762/153   |



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