AERCO
A WATTS Brand

CFR BOILER STARTUP FORM

*Please complete **ONE (1) form for each SITE** and return to AERCO for warranty validation within 30 days of start-up. After completion, e-mail this form to **Startup@AERCO.COM.***

Completed By: _____ **Date:** _____

Site Location

Installation Name: _____ Company: _____

Street Address: _____ Phone #: _____

City, State, Zip: _____

AERCO Sales Rep: _____ Startup Tech: _____

Startup Tech is: ☐ ATT Technician   ☐ AMT Technician   ☐ Non-AERCO Trained Technician

Unit Serial #: _____

Equipment Classification

Unit Type: ☐ CFR 1500   ☐ CFR 3000

Number at Site: _____   _____

NOTE: For proper oxygen (O_2) and combustion calibration settings, consult OMM-0164.

CFR 1500

Combustion air temperature during calibration: _____ °F

Gas Pressure downstream of the SSOV at 100% valve position: _____ inches W.C.

Natural Gas Final Valve Positions (CFR 1500)			
Valve Position	**O2 %**	**NOx**	**CO**
90%	5.5% ± 0.5%	≤20 ppm	<100 ppm
80%	5.5% ± 0.5%	≤20 ppm	<100 ppm
70%	5.5% ± 0.5%	≤20 ppm	<50 ppm
60%	5.5% ± 0.5%	≤20 ppm	<50 ppm
40%	5.5% ± 0.5%	≤20 ppm	<50 ppm
30%	5.5% ± 0.5%	≤20 ppm	<50 ppm
25%	5.5% ± 0.5%	≤20 ppm	<50 ppm

Vacuum at Blower Proof Switch at 25% valve position:_____

CFR 3000

Combustion air temperature during calibration: _____ °F

Gas Pressure downstream of the SSOV at 100% valve position: _____ inches W.C.

Natural Gas Final Valve Positions (CFR 3000)			
Valve Position	**O2 %**	**NOx**	**CO**
85%	5.0% ± 0.2%	≤ 20 ppm	<100 ppm
70%	5.0% ± 0.2%	≤ 20 ppm	<50 ppm
50%	5.5% ± 0.2%	≤ 20 ppm	<50 ppm
40%	5.5% ± 0.2%	≤ 20 ppm	<50 ppm
30%	5.5% ± 0.2%	≤ 20 ppm	<50 ppm
25%	5.5% ± 0.2%	≤ 20 ppm	<50 ppm

Vacuum at Blower Proof Switch at 25% valve position:_____

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Gateway Configuration

Name: _____   Gateway Model:

Phone: _____   ☐ ProtoNode (Serial)

Email: _____   ☐ ProtoNode (Lon)

Job Name: _____

Input wiring termination to the Gateway translation device (check one):
   ☐ EIA-485 (2 wire)   ☐ EIA-485 (4 wire)   ☐ EIA-232

Building Automation System (BAS) protocol (check one):
   ☐ BACNet IP   ☐ BACNet MS/TP
   ☐ Johnson Controls – N2   ☐ LonWorks   ☐ Modbus – IP

Baud Rate: ☐ 156,000   ☐ 19,200   ☐ 76,800   ☐ 9,600   ☐ 38,400   ☐ Other: _____

BAS Device Adress #'s:

N2 Device Node ID: _____

   OR

BACnet Device Instance #'s: _____

BACnet Network Number: _____

BACnet IP Address: _____

   OR

LonWorks Program ID: _____

Notes