

EMXGO Series STEEL WATER BOILER
GAS/OIL-FIRED • VERTICAL FIRETUBE, MODERATE MASS DESIGN

STANDARD FEATURES AND EQUIPMENT

- 82% efficiency per ANSI Z21.13
- ETL listed as a burner/boiler package to U.S. test standards, for Canadian installations, consult factory.
- FM compliant
- CSD-1 compliant components include manual reset electronic low water cut off and Hi/Lo gas pressure switches (> 400 MBH)
- Constructed and stamped in accordance with ASME code, Section IV for 125 psi design pressure
- National Board registered
- Moderate mass, vertical fire tube design
- Carbon steel vessel and fire tubes with beaded and welded tube sheet joints
- Over-temperature protection on furnace tube sheet
- Handhole cleanout
- Steel skids
- Heavy-duty fiberglass tank insulation
- Steel jacket with industrial finish
- Combination gas and pressure atomizing oil burner with electronic flame safeguard and pre-purge (conform to UL296 & UL795)
- Two-stage oil pump, oil solenoid valve and oil strainer
- Pressure regulator and dual main gas valves
- Combustion view port
- Combustion status indicating lights
- Operating thermostat (adjustable from 100 to 240° F)
- Manual-reset, high-limit temperature control (240° F maximum)
- Manual-reset, electronic low-water cutoff (auto-reset on power loss)
- 50 psi ASME-rated safety relief valve
- Barometric damper / draft regulator (field installed)
- Bottom blowdown valve
- Dial temperature and pressure gauges
- Terminals for remote on/off control and for remote monitoring of call for heat
- Single-point electrical connection
- 120-volt electrical requirement
- Illuminated power switch with fuse
- "Service Advantage Plan" covering parts, materials, freight and labor on any repair or replacement for the first year of operation
- Ten-year pressure vessel workmanship, materials, and thermal shock warranty *

FACTORY INSTALLED OPTIONS

- Extended "Service Advantage Plan" covers freight and labor on a vessel replacement for 10 years *
- _____ psi safety relief valve (options include 30, 75, 100, or 125)
- Terminals for combustion air safety interlock (for combustion air louver or power venter applications)
- Float-type low-water cutoff with blowdown
- High-water-pressure safety switch, auto-reset (adjustable from 10 to 125 psi)
- Low-water-pressure safety switch, auto-reset (adjustable from 5 to 50 psi)
- Hi-lo gas pressure switches (std over 400 MBtu/h)
- Alarm bell with silencing switch
- Terminals for remote notification of alarm condition
- Oil pressure gauge
- Outdoor reset control
- High gas pressure regulator
- Alternate code or agency controls _____ (consult factory)
- _____ voltage blower motor (options include 208V/3Ø, 230V/1Ø, 460V/3Ø)
- 3-phase to 120V transformer for control circuit (required for 3-phase power)
- L.P. gas operation (consult factory)
- FIELD INSTALLED OPTIONS**
- Water flow switch
- Lead - Lag control
- Nighttime setback control
- Main electrical disconnect switch
- Combustion air intake adapter for power burner (connects to ductwork supplied by others)

* see warranty or service policy for details