

EMXO SERIES • STEEL WATER BOILER
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 manual reset temperature device (>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
- Power combustion burner
- Electronic flame safeguard with direct spark ignition and pre-purge
- Two-stage combustion with 50% turndown (720 MBH to 1400 MBH)
- Two-stage oil pump, oil solenoid valve and oil strainer
- Combustion view port
- Combustion status indicating lights (540 to 1400 MBH)
- 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)
- Alarm bell with silencing switch
- Terminals for remote notification of alarm condition
- Oil pressure gauge
- Outdoor reset control
- Alternate code or agency controls _____ (consult factory)
- _____ voltage blower motor (options include 208V/1Ø, 208V/3Ø, 230V/1Ø, 230V/3Ø, 460/3Ø)
- 3-phase to 120V transformer for control circuit (required for 3-phase power)

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