

EMX SERIES • STEEL WATER BOILER
GAS-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. and Canadian test standards
- 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
- Power combustion burner with spark ignition
- Electronic flame safeguard with pre-purge
- UL-compliant gas train includes gas cock, pressure regulator, and solenoid gas valve on both pilot and main (400 MBH uses combination valve)
- Second main gas valve (540 to 1400 MBH)
- 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)
- Hi-lo gas pressure switches (std over 400 MBH)
- Motorized main gas valve with proof of closure
- Alarm bell with silencing switch
- Terminals for remote notification of alarm condition
- Outdoor reset control
- High gas pressure regulator
- LP gas operation
- Alternate code or agency controls _____ (consult factory)
- _____ voltage blower motor (options include 208V/1Ø, 208V/3Ø, 230V/1Ø, 230V/3Ø, 460/3Ø) for inputs > 400 MBtu/h
- 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