



MZ Boiler

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FCX Oil Fired Condensing Boiler

Since 1987, thousands of installations worldwide have proven the FCX boiler to be most reliable and efficient. These fourteen years of successful applications have provided a track record for quality, reliability and value.

The FCX features a steel, primary, non-condensing heat exchanger coupled to a condensing, stainless secondary heat exchanger making it ideal for year-round domestic hot water when paired with our BS line of indirect hot water tanks. Its built-in three-way mixing valve permits all-season comfort at maximum efficiency.

Since the gas temperature only ranges from 170° to 185° and the unit has extremely low emission flue gas, this oil-fired burner is able to use a plastic flue piping system (no chimney necessary). And since it uses sealed-combustion, taking air from outside via a concentric vent, it effectively eliminates annoying cold air drafts.

The FCX also features a dual temperature circuit capability, which makes combining low and high-temperature applications, in the same structure, quick and easy. And because of its patented design (approved by Intertek Testing Services for zero clearance to combustibles), almost silent operation, simplified cleaning procedure and nice and clean finish, it can be installed almost anywhere in the home.



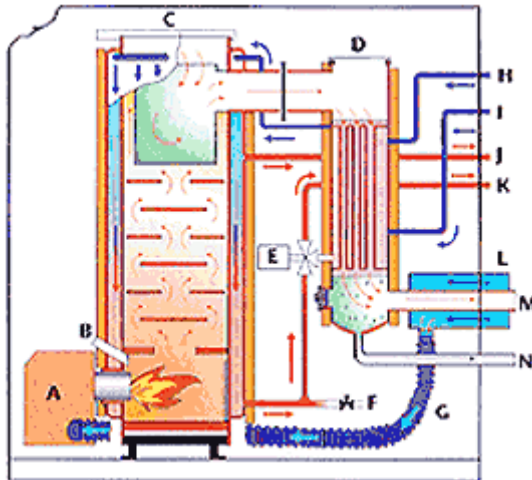
The FCX comes with:

- Circulating pump.
- Expansion tank.
- Safety relief valve.
- Control panel assembly and all electrical controls for normal operation.
- Gun type oil burner with combustion fan, integral oil pump, oil heater and primary control.
- Thick-shelled primary boiler with removable baffles.
- An enameled steel cabinet with soundproofing insulation.

Technical Specifications


BTU out	76,100
Return and Supply	1"
Boiler Drain	3/4"
Air Vent	3/8"
Water Capacity	Nominal 4 Gal.
Dry Weight	267 lbs.
Dimensions (approx.)	33.5" H x 23" W x 24.5" D

Concentric Vent OD	Nominal 6"
Concentric Vent Length	9' & 2 elbows
Chimney Venting (approx.)	60'
Application Efficiency	95%



- A. Burner
- B. Sight glass
- C. Primary, non-condensing heat exchanger
- D. Secondary, condensing heat exchanger
- E. Mixing valve
- F. Boiler drain
- G. Combustion air tube
- H. Return from optional high-temp circuit
- I. Return from low-temp circuit
- J. High temp supply circuit
- K. Low temp supply circuit
- L. Combustion-air in
- M. Flue gas out
- N. Condensate out

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Downloads in PDF Format	
FCX Manual (MAC / PC)	 Get WinZip
FCX Wiring Diagram (MAC / PC)	
FCX Troubleshooting Guide (PDF)	
Pioneer Burner Servicing for FCX (MAC / PC)	

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