

Elevator FlashFire Dewax System

Simple Economical Design

Manufactured by Pacific Kiln & Insulations Co. Inc., the Elevator FlashFire Dewax System has a simple economical design, is rated to 1800°F (982°C) continuous firing temperature and has several available options.

Simple – Fast – Repeatable

The Elevator FlashFire Dewax System is the solution for the budget-minded foundry that wants, or needs, to enter into a higher level of process control in dewax, burnout and preheat. The Elevator FlashFire Dewax System does it all and with the utmost concern for safety, and most of all results. Incorporating all the patented benefits of the Standard FlashFire Dewax System, the Elevator FlashFire Dewax System was designed with a focus on flexibility and simplicity. While the furnace is holding your set point temperature, put your molds anywhere on the load grate, push the button and within seconds your shells are entered into the furnace and can begin to dewax. When the dewax/burnout process is complete, push the button and the bed lowers for shell removal and reloading for another cycle.



The patented Elevator FlashFire Dewax System is a great value for any foundry, offering many benefits to your operation, including:

- Dewax, burnout and preheat in one process.
- Eliminate the autoclave and boiler system.
- Wax is recovered without moisture, virtually ready to be reused.
- Inert gas and automated system design provide maximum operator safety and repeatable results.

Design Features

The Elevator FlashFire Dewax System's design features include:

- Rugged steel construction that will hold up to every day, all day use, for a long life.
- High temperature, ceramic fiber insulation for fast heat up and maximum energy efficiency.
- Rated to 1800°F (982°C) operation.
- PKI Power Burner system with Fireeye Flame Safety and ignition for safe reliable lighting, every time.
- Honeywell digital temperature control for accurate and repeatable firing temperatures.
- Heavy duty hearth lift mechanism automatically raises and lowers with the touch of a button.
- Hearth grate is made of replaceable heavy stainless steel bars.
- Wax drains into an extinguishing chamber, precharged with inert gas to prevent wax fire. The wax then drains outside into a holding pan for reuse.
- PKI control panel may be mounted where convenient or on an optional stand. All electronic controls are housed in this panel.
- Complete operator and maintenance manual, plus electrical schematic included.
- Simple assembly and installation (instructions included).



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PRODUCT DATA SHEET

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Elevator FlashFire Dewax System



Model	Load Area Dimensions			Burner Heat Input (BTU/HR)	Min. Gas Press. (PSIG)
	Width	Length	Height		
E-FFDWS-303030	30"	30"	30"	500,000	1 lb (28" WC)
E-FFDWS-363636	36"	36"	36"	500,000	1 lb (28" WC)
E-FFDWS-424236	42"	42"	36"	500,000	1 lb (28" WC)
E-FFDWS-484836	48"	48"	36"	500,000	1 lb (28" WC)

Available Options

The Elevator FlashFire Dewax System's available options include:

- Afterburner system to control smoke emissions from burnout process.
- Control panel stand (or panel can be wall mounted).
- Single or multi program temperature controllers.
- Independent high limit temperature controller.
- FM or IRI safety fuel trains (normally an insurance requirement).
- Oxygen analyzer (hand held or control panel mount).
- Automatic furnace pressure control damper.



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