

# U.S. Cremation Equipment

## US-Classic-PRO Features and Benefits Detail

### **No Cool-Down Required between Cremations:**

**Feature:** Our equipment is designed and constructed to allow for continuous, un-interrupted operation. You can process one-case-after-another without the need to cool-down between the cases.

**Benefits:** This feature results in lower operational costs, reduced hours for your operating staff, and faster turn-around time. Additionally, this feature is also an indication of the quality of the materials and components used, as well as the unique operational design and high level of craftsmanship that goes into each and every cremator.

### **Powder Coat Finish:**

**Feature:** Superior to painting, the powder coating process bonds the colors to the metal through a heat treating process, rather than simply covering the metal as painting does.

**Benefits:** Tougher and more durable than painted finishes. Powder coating also provides a much smoother finish which is highly resistant to “heat transfer” stains that are common with painted surfaces.

### **Dual Piston Hydraulically Actuated Door:**

**Feature:** We use two hydraulic pistons (one on each side of the door) to actuate the up and down movement of the door. Other manufacturers use a single chain-n-sprocket assembly to maneuver the door.

**Benefits:** Our dual-piston design guides the door steadily and smoothly into the desired position and it is extremely safe for your operators ... there is no possibility for a chain to break, allowing the door to slam down on anything that may be under it at the time of failure.

### **Mechanically Sealed Loading Door:**

**Feature:** Our unique door-track system, working in concert with the dual-pistons, mechanically presses our door against the steel bulk-head, resulting in a tight 360° seal. With the chain-n-sprocket doors that other manufacturers use, gravity is the sole force that is relied upon to seal the door closed.

**Benefit:** When the door is closed, this design assures that no smoke or odor will penetrate the seal. With the gravity based systems that others provide, fugitive emissions can leak from around the door.

### **Two Year Warranty:**

**Feature:** Each of our crematories carries a two year warranty, which is twice as long as the standard warranty that other manufacturers offer.

**Benefits:** Provides you peace-of-mind to know that your equipment is properly designed and soundly constructed with only premium components and materials used.

### **Low Profile Exhaust Stack:**

**Feature:** Our machine only requires 8 ft. of exhaust stack to operate properly.

**Benefits:** Helpful in neighborhoods where a tall protruding stack may not be allowed by zoning, or is aesthetically unappealing, or could be offensive to neighbors.

### **Monolithically Cast Refractory Chambers:**

**Feature:** Our entire machine (primary & secondary chambers and exhaust stack) is constructed completely with a cast monolithic pour of high-temperature refractory material.

**Benefits:** Extremely durable fabrication technique, leading to the extended useful life of the equipment and less down-time, improved fuel efficiency, as well as lower maintenance costs.

### **Removable External Side-Skins:**

**Feature:** We take the time to hand tap & thread the external side skins to the frame of cremator. Other manufacturers simply weld their skins to the frame.

**Benefits:** Our external skins are easily removed should you ever need to access the internal workings for inspection or repair. When the skins are welded in-place, you would need to hire a welder to cut the panels out, and then weld them back into position, at considerable expense and scarring to the machine.

### **Rear-Mounted Panel and Components:**

**Feature:** Our electrical panel and other major components are mounted at the rear of the cremator, in contrast to other manufacturers who place those components on the top of the cremator.

**Benefits:** Protects components from the excessive heat that radiates from the top of the machine, reducing component failure and extending the useful life of the cremator. It also makes it easy to access these components for inspection or maintenance purposes (climbing on top of a hot cremator is not fun or safe).

### **Refractory Lined Draft Inducer:**

**Feature:** The refractory lined draft inducer provides two primary functions. First, it creates a negative pressure (suction) inside the machine and secondly, it cools the exhaust before being released to the atmosphere. We have developed a draft inducer that is protected from the high operational temperatures (typically 1600°F-1800°F) inside the cremator, and thus it allows for the “No Cool-Down Operation” described above.

**Benefits:** This device allows your staff to safely open the loading door at any time during the cremation process. It also allows you to “hot-load” your cases, reducing your time to complete your daily work-load. Finally, it increases your fuel economy, since you are not required to use more fuel to reheat the chambers (after the cool-down period required with other manufacture’s models).

### **Stainless Steel Anchors:**

**Feature:** We embed steel anchors into the brick sidewalls of the primary chamber. No other manufacturers go the extra mile to do this.

**Benefit:** Restricts the dramatic movement of the walls (from expansion/contraction), extending the useful life of the chamber, reducing your down-time and lowering maintenance costs.

### **Underwriters Laboratories (UL) Certifications:**

**Feature:** Our entire cremator (not just component parts or electrical panels) has been independently tested by UL and has received their coveted “Listed” status.

**Benefits:** You can be assured that the equipment meets the rigorous safety requirements of this international safety standards organization. The UL listing will help with your insurance coverage, as the equipment is perfectly safe to operate within your facility, regardless of the construction materials used (wood-frame, steel, block, etc.).

### **Our Commitment to the Customer Service Experience**

We are dedicated to giving you more than you expect and everything you deserve when procuring, operating and servicing your new crematory!