



Matthews University



Elder Davis

“Did You Know”™ Educational Series



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CREMATOR FLUID PROBLEMS AND HOT HEARTH

Body fluid accumulation or runoff in cremation equipment can be attributed to two primary areas, equipment design and unusual operating circumstances.

- Operating Conditions that could lead to body fluid accumulation or runoff will vary. Primarily it is the cremation of exceptionally large bodies. With older makes and models, low usage of the equipment can also contribute to run off. Cremating large bodies should be carefully done according to the manufacturer's instructions.
- Equipment Designs that incorporate the hot hearth cremation chamber floor eliminate the potential for fluid problems even with adverse operating conditions as described above. The primary design feature to consider is the type of cremation chamber hearth of which there are two basic types: Hot hearths and cold hearths.
- Hot Hearth Floors are heated on both the top side then under the hearth. On the top side heat is provided by the cremation burner and cremation itself. The bottom side is heated by the recirculation of the hot combustion gases in the secondary combustion chamber before their discharge to atmosphere.
- Cold Hearth Floors are only heated on the top side and are less effective in fluid control as evidenced by the use of “U” tiles or fluid troughs built into the floors.

Matthews Cremation introduced the use of hot hearths in our cremation equipment over 30 years ago and utilizes the “Energy Miser Hearth System” in all our current cremation equipment designs. The “Energy Miser Hearth” is constructed of vibrated refractory making it the most durable and longest lasting hearth available.

In summary, careful attention to operating procedures will reduce the potential for fluid problems in cremation equipment, however, proper equipment design will not only eliminate fluid problems but will also reduce cremation time and fuel consumption on each cremation performed.

For service, sales or assistance please call (800) 327-2831

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