



HYDROCREMATION™ PROCESSING SYSTEM

MODEL: HC-80™

APPLICATION: Pet Aftercare

CAPACITY: 80 lbs (36kg)

PROCESS: Alkaline Hydrolysis

The HC-80™ is a next-generation immersion-based hydrocremation system purpose-built for pet aftercare operations. Combining automated process control, ergonomic loading and unloading, integrated agitation and circulation technology, and simplified maintenance access, the HC-80 delivers a safer, more consistent, and more efficient hydrocremation solution for small- to medium-volume aftercare providers.

KEY FEATURES

- Automated Water Fill & Level Management
- Recipe-Driven Automated Processing
- Automated Chemical Dosing Capability
- Pneumatic Clamshell Lid System
- Automated Platform Lift & Agitation
- Integrated Circulation & Turbulation System
- Automated Evacuation & Cleaning Functions
- Touchscreen PLC/HMI Controls
- Process Monitoring & Data Logging
- Remote Monitoring & Diagnostic Capability
- Industrial 304 Stainless Steel Construction



HydroCremation HC-80™



TECHNICAL SPECIFICATIONS

HC-80™ Hydrocremation Processing System

OPERATOR BENEFITS

- **Improved Ergonomics**
Reduces manual handling through automated loading, agitation, and unloading functions, improving operator safety while minimizing physical strain during daily operation.
- **Consistent Results**
Programmable PLC-controlled process recipes deliver repeatable cycle parameters, ensuring reliable, consistent hydrocremation performance from one process to the next.
- **Simplified Maintenance**
Service-accessible mechanical and electrical components provide convenient access for routine inspection, preventive maintenance, and faster troubleshooting when required.
- **Future Ready**
Modern PLC/HMI architecture supports remote monitoring, process reporting, software updates, and future feature enhancements as operational requirements evolve.

TECHNICAL SPECIFICATIONS

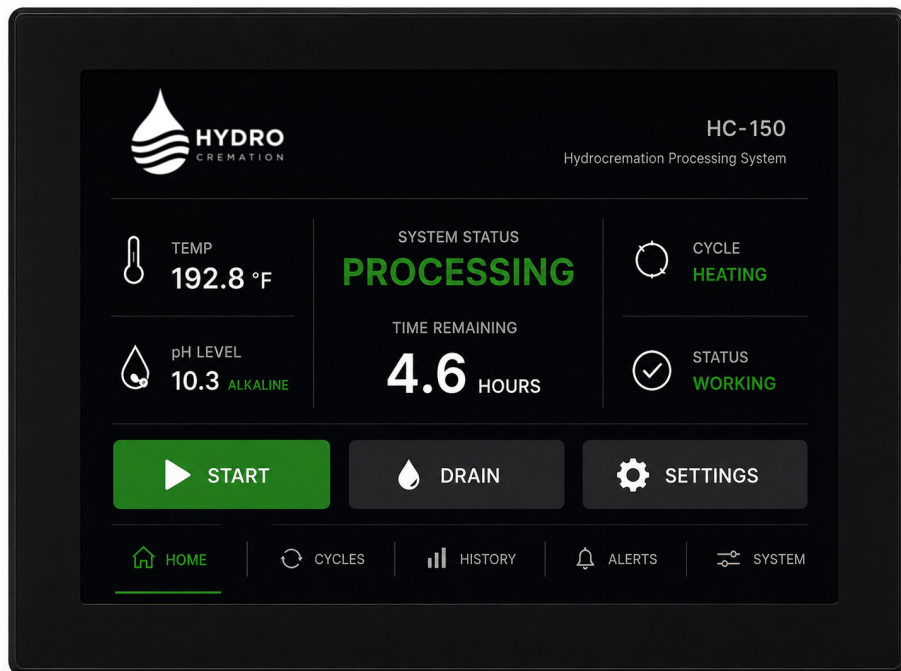
Construction	304 Stainless Steel
Usable Processing Area	30"L x 15"W x 18"D (762 x 381 x 457mm)
Tank Size	80-100 Gallons (303-379 L)
Load Capacity	80 lbs (36 kg), including carrier
Heating System	18 kW Electric Heating
Pump System	.75 HP Stainless Steel Process Pump
Controls	PLC Automation with Touchscreen HMI
Electrical Requirements	240V / Single-Phase / 60 Hz
Utilities Required	Water, Electricity, Compressed Air, Ventilation, Sewer Connection

MODERN OPERATOR INTERFACE

Industrial equipment shouldn't require an engineering degree to operate.

The HC-80™ touchscreen PLC/HMI has been designed around modern user experience (UX) principles, presenting operators with a clean, intuitive interface that simplifies daily operation while providing immediate access to system status, process controls, diagnostics, and maintenance functions.

By reducing complexity and presenting only the information needed at the appropriate time, the HC-80™ helps shorten training, improve operational consistency, and increase user confidence. As new capabilities are introduced, the software platform is designed to evolve through future enhancements and expanded functionality.



Touchscreen PLC/HMI Interface