

EQUIPMENT

COMPOSITE REPAIR CLAVE



The patented HCS3100 RepairClave is a custom built semi-portable pressure vessel. This vessel is designed to provide controlled temperature, vacuum, and pressure during composite and metal bond repair processes.

The positive internal pressure applied to the repair enables operators to achieve the higher pressure when required by aircraft manufacturer repair manuals. Heat is applied only where required using silicone rubber heat blankets.

This method results in reduced operational costs and fewer problems due to temperature induced part damage.

US Patent - 7,137,799
Canadian Patent: 2,534,014

***The Most
Dependable Equipment
in the
Composite Repair Industry!***

Typical Applications:

- **Helicopter Blades**
- **Ailerons**
- **Winglets**
- **Elevators**
- **Rudders**
- **Spoilers**
- **Slats**
- **Wedges**



Dimensions:

- Standard lengths start at 3ft (36in), *progressing in 3ft increments*, up to 30ft (360in)
- Inside diameter: 3ft - 6ft (36in - 48in)
- Length and diameter are customizable upon request

Recommended Power Requirements:

- 120-240V 1-Phase to 480V 3-Phase
- Amperage will depend on customer configuration requirements
- Other Voltages, Multiple Zones, and Phase Configurations Available

Operating Pressure:

- ASME certified pressure vessel rated at 150 psi maximum pressure at 400°F
- Nominal operating pressure is 100 psi
- Certified Pressure Relief Valve built in, per ASME to ensure vessel safety

Construction:

- Vessel: Constructed from certified rolled plate steel material (SA516-70)
- Vessel stamped with final ASME Hydrostatic Test on permanently affixed data plate
- Closures: Hinged Closure - various mechanical locking devices
- Fixed (Closed) End - Welded Domed Tank Head
- Locking Casters and Floor Jacks for mobility and stabilization
- Additional Auxiliary Ports for future expansion

Calibration:

- 1 year Intervals recommended by HEATCON Composite Systems

Re-Certification:

- No annual certification required

PLEASE CHECK LOCAL GOVERNMENT DIRECTIVES WHICH MAY SUPERCEDE THIS REQUIREMENT.

Specifications



Optimized Interior Space

Internal Connectors for ease of use



Built-in Vacuum System

Customized Control Panels



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