



Hotpack Stability Chambers

Over 100 Years of Expertise in Controlled Testing Environments

Building on SP Hotpack's reputation for reliability and customer satisfaction, these stability chambers represent the ultimate in quality craftsmanship. High quality, corrosion resistant design allows for continuous use without fear of failure or downtime. Temperature and humidity are precisely controlled to meet ICH and other testing standards.

- Fully ICH compatible
- Portable and self-contained
- Durable painted stainless steel exterior
- Stainless steel interior, exterior, and shelves withstand the corrosive environment of high humidity testing



Reach-in Stability Chambers

SP Hotpack chambers are quality engineered to ensure long life and reliable performance

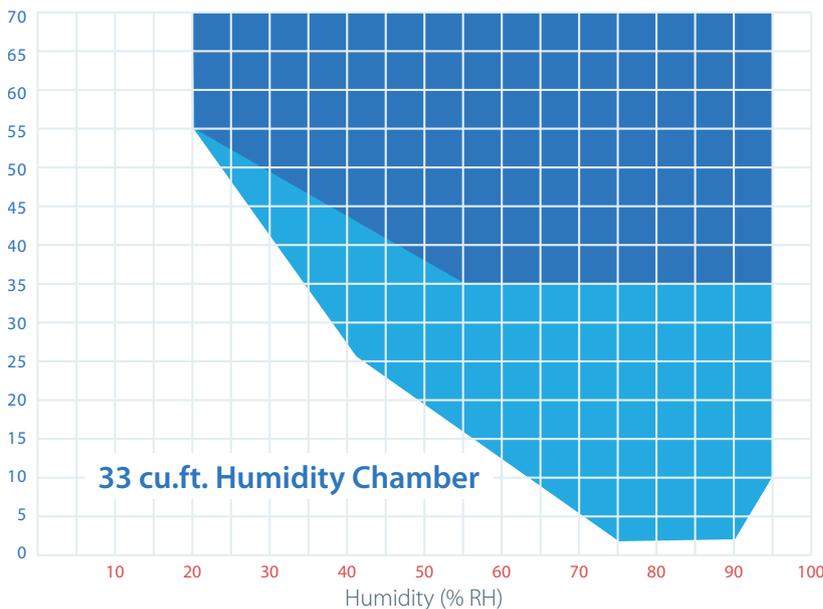
- Corrosion resistant stainless steel construction
- Heliarc-welded chamber seams
- Fireproof, non-hygroscopic glass wool insulation, which is impervious to corrosive vapors and fumes

Robust controls ensure precise temperature and humidity control inside the chamber.

Typical Applications

- ICH stability testing
- Industrial and laboratory testing
- Environmental testing
- Material testing
- MIL-SPEC applications
- Shelf life testing
- Long-term storage





Achievable humidity settings are closely dependent on ambient conditions. Lower humidity may be achieved with accessory compressed air dehumidification system.

Model: 33HA

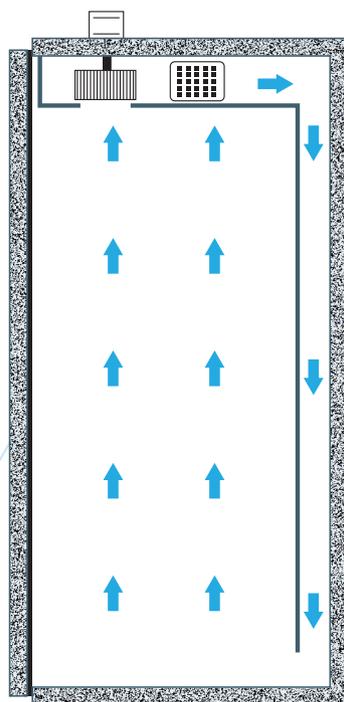
Ambient conditions 25° C/50% RH

No Refrigeration

Model: 33HR

Ambient conditions 25° C/50% RH

with Refrigeration



Quadraflow™ Rear Plenum Airflow Design

33 Cubic Foot Chambers

- Unique Quadraflow™ convection system for temperature control and uniformity
- Rear wall plenum design ensures all areas are refreshed constantly allowing rapid recovery after door openings
- Vapor generator heater (humidifier) located outside of the chamber to prevent corrosion
- 4 adjustable shelves included (holds up to 19 shelves)
- Castors standard

Site Requirements and Specifications

- Electrical requirements: 230v-1ph-60Hz
- Humidification system requires a drain and DI water source (resistivity 50k to 1 MΩ, pH > 6.5, silica < 10ppm)
- If only tap water is available, SP Hotpack offers an accessory wall-mounted DI water assembly
- Exterior dimensions (W x D x H): 40" x 34" x 92"
- Interior useable chamber dimensions: (W x D x H): 36" x 26" x 65"

SP Hotpack Chamber Models

| Model Number | Temperature Range | Humidity Range* | Stainless Steel Grade |
|--------------|-------------------|-----------------|-----------------------|
| HP-33TA | 35 - 70 °C | n/a | 304 |
| HP-33TR | 2 - 70 °C | n/a | 304 |
| HP-33HA | 35 - 70 °C | 20 - 96% RH | 304 |
| HP-33HR | 2 - 70 °C | 20 - 96% RH | 304 |
| HP-33FT | 35 - 70 °C | 20 - 96% RH | 316L |

* See Temperature/Humidity charts for details on achievable set points

Please note: Models HP-33TA, HP-33HA, and HP-33FT available in 115V version upon request

Chamber Accessories

| Part Number | Description |
|-------------|---|
| 9133210 | Additional stainless steel solid shelf |
| 300205 | Single pen 10" electronic chart recorder |
| 300204 | Two-pen 10" electronic chart recorder |
| PORT2 | Access Port, 2" O.D. |
| 300086 | Interior 115V vapor proof duplex outlet - maximum 3 amps |
| 9330211 | Wall-mounted DI water assembly (includes 2 replaceable resin packs & 2 regeneration coupons) |
| 438599 | Compressed air dehumidifier for operating at lower RH levels (10% RH max low) |
| 333501 | Retransmit control upgrade |
| 300810 | RS485 control upgrade |

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