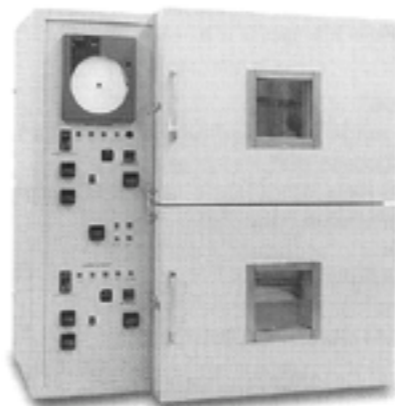




**ASSOCIATED
ENVIRONMENTAL SYSTEMS**

PRODUCT LIST

In 1959 we started manufacturing environmental testing equipment. Today, our name Associated Environmental Systems, has become synonymous with quality environmental simulation equipment. Over the years we've learned that there is no substitute for quality, service, and dependability. All of our chambers are designed to meet the testing needs of diverse industries and to comply with the military's standards for both testing and quality. At Associated Environmental Systems, we've designed and manufactured our chambers to fulfill your needs, whatever they may be. That's why we're proud to offer you the broadest standard line of environmental testing chambers offered by any manufacturer, anywhere. Our engineers and technicians are anxious to assist you.



THERMAL SHOCK CHAMBERS

SM-2100 D TWO STATION SERIES

Working Volume: 2, 5, 8 ft³
 Temperature Range: Top Station (Hot) above ambient to +392°F (+200°C) Bottom Station (Cold) to -85°F (-65°C)
 Maximum Carriage Transfer Time: 5 minutes
 Air Recovery Time: 5 minutes, optional recovery times available

Features*

- Two stage air cooled cascade refrigeration system
- Individual cold and hot chamber doors
- Automatic carriage power interrupt when doors are open
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Casters
- Type 304 Stainless Steel interior
- Compact vertical transfer design to floor space requirements

*Optional extras available



ECONOMY LINE HUMIDITY CHAMBERS

LH SERIES

Working Volume: 1.5, 5.8, 10 ft.³
 Temperature Range: Standard: +32°F to +200°F (0°C to +94°C)
 Optional: -4°F to +200°F (-20°C to +94°C)
 Humidity Range: 20% to 98% ±2% RH as limited by a +2°C dew point

Features*

- Fully proportional manual digital set-digital indicating controller
- Stainless steel shelf - two positions
 - Vapor tight welded stainless steel interior
 - Forced air circulation
 - 2" Access port/plug in left wall
 - Environmentally safe non-ozone depleting refrigerant
 - Self contained refrigeration system
 - Steam generator humidity system
 - Modern pleasing paint color

*Optional extras available



CONTROLLED ENVIRONMENTAL ROOMS

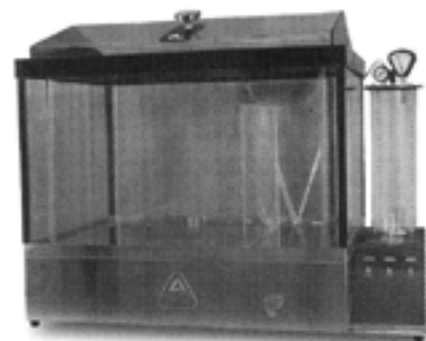
Working Volume: Various Sizes Available
 Temperature Range: Various Ranges can be provided including fast rate changes with your product load.
 Humidity Range: Standard ranges are 20% to 95% ±5% RH. Optional 10% to 98% ±2% RH available.

Features*

- Modular construction
- Doors
- Safety devices
- Programmable controller

*Optional extras available

Since each end user has unique applications please consult us with your specifications.



SALT SPRAY/FOG CHAMBERS

MX 9200-SERIES

Working Volume: 4, 8, 16, 32 ft.³
 Temperature is maintained at 95°F.
 Meets military and federal test standards.
 Continuous operation for 72 hours.

Features*

- Lucite construction
- Stainless Steel base
- Bench - top styling
- Optional long term testing

*Optional extras available



TEMPERATURE/HUMIDITY CHAMBERS

BHD SERIES (Bench Top Models)

Working Volume: 3, 5, 8, ft³
Temperature Range: 400 Series: 0°F to +350°F
(-17°C to +177°C)

500 Series: -40°F to +350°F (-40°C to +177°C)
200 Series: -100°F to +350°F (-73°C to +177°C)
Humidity Range: 20% to 98% ±2% RH limited by +2°C dew point.

Features*

- 2" dia access port and plug
- Internal high temperature fail-safe (Factory Set)
- Window
- Internal light
- Programmable controller
- Type 304 Stainless Steel
- Heliarc welded interior

*Optional extras available

HD-400 SERIES (Floor Models)

Working Volume: 8, 27, 32, 64 ft³
Temperature Range: 0°F to +350°F
(-17°C to +177°C)

Humidity Range: 20% to 97% ±3% RH limited by +2°C dew point. Optional lower humidities available.

Features*

- Single stage air cooled refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Type 304 Stainless Steel
- Heliarc welded interior
- Window
- Internal light
- Casters

*Optional extras available

HD-500 SERIES (Floor Models)

Working Volume: 8, 16, 32, 64 ft³
Temperature Range: -40°F to +350°F
(-40°C to +177°C)

Humidity Range: 20% to 97% ±3% RH limited by +2°C dew point. Optional lower humidities available.

Features*

- Single stage air cooled refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Vapor generator fail-safe
- Programmable controller
- Type 304 Stainless Steel
- Heliarc welded interior
- Window
- Internal light
- Casters

*Optional extras available

HD-200 SERIES (Floor Models)

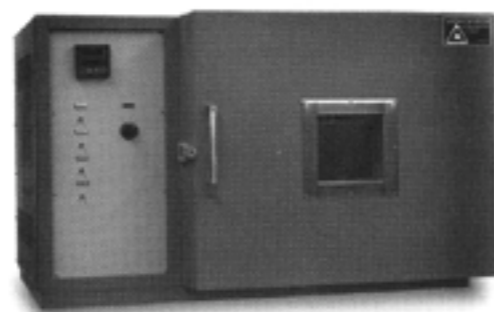
Working Volume: 8, 16, 32, 64 ft³
Temperature Range: -100°F to +350°F
(-73°C to +177°C)

Humidity Range: 20% to 97% ±3% RH limited by +2°C dew point. Optional lower humidities available.

Features*

- Two stage air cooled cascade refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Type 304 Stainless Steel
- Heliarc welded interior
- Window
- Internal light
- Casters

*Optional extras available



MECHANICAL REFRIGERATION CHAMBERS

SD-500 SERIES (Bench Top Models)

Working Volume: 1, 2, 5, 8 ft³
Temperature Range: -35°F to +350°F
(-37°C to +177°C)

Feature*

- Single stage air cooled refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Window
- Internal light
- Type 304 Stainless Steel interior

*Optional extras available

SD-300 SERIES (Bench Top Models)

Working Volume: 1, 2, 5, 8 ft³
Temperature Range: -100°F to +350°F
(-73°C to +177°C)

Feature*

- Two stage air cooled cascade refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Window
- Internal light
- Type 304 Stainless Steel interior

*Optional extras available

FD-400 SERIES (Floor Models)

Working Volume: 8, 27, 32, 64 ft³
Temperature Range: 0°F to +350°F
(-17°C to +177°C)

Features*

- Single stage air cooled refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Window
- Internal light
- Casters
- Type 304 Stainless Steel interior

*Optional extras available

FD-500 SERIES (Floor Models)

Working Volume: 8, 27, 32, 64 ft³
Temperature Range: -40°F to +350°F
(-40°C to +177°C)

Feature*

- Single stage air cooled refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Window
- Internal light
- Casters
- Type 304 Stainless Steel interior

*Optional extras available

FD-200 SERIES (Floor Models)

Working Volume: 8, 27, 32, 64 ft³
Temperature Range: -100°F to +350°F
(-73°C to +177°C)

Feature*

- Two stage air cooled cascade refrigeration system
- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Programmable controller
- Window
- Internal light
- Casters
- Type 304 Stainless Steel interior

*Optional extras available



LIQUID CO₂ OR LN₂ COOLED CHAMBERS & LABORATORY OVENS

BD-100 SERIES (Bench Top Models)

Working Volume: .5, 1, 2, 4, 8, 27, 64 ft³
Temperature Range: -100°F to +425°F
(-73°C to +220°C)

Features*

- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- CO₂ Scrubber with replaceable cartridge
- Solid state RFI free digital set digital readout controller
- Forced air circulation to maintain precise temperatures
- Type 304 Stainless Steel interior

*Optional extras available

SD-600 SERIES (Bench Top Models)

Working Volume: 1, 4, 8 ft³
Temperature Range: -100°F to +1000°F
(-73°C to +538°C)

Features*

- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- CO₂ Scrubber with replaceable cartridge
- Solid state RFI free digital set digital readout controller
- Forced air circulation to maintain precise temperatures
- Type 304 Stainless Steel interior

BD-900 SERIES (Bench Top Oven Models)

Working Volume: .5, 1, 2, 4, 8, 27 ft³
Temperature Range: +100°F to +425°F
(+38°C to +220°C)

Features*

- 2" dia access port and plug
- Internal high temperature fail-safe (Factory set)
- Solid state RFI free digital set digital readout controller
- Forced air circulation to maintain precise temperatures
- Type 304 Stainless Steel interior

*Optional extras available



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