Reach-In Chambers

Reach-In for Easy Access!

- Microprocessor-based main temperature controller
- Temperature control of ±0.5°C
- Available in two sizes
- Humidity uniformity ±5%

Standard Features

- Interior fluorescent work light
- 1 - 2" access port
- 1 - Duplex outlet
- RS232 Outputs
- 12.5" square viewing window
- Locking casters
- "C" - 7 day circular chart recorder

Options Available

- Choose from solid doors for light sensitive applications or glass doors for better viewing
- 24-step programmable controller capable of 4 programs containing 6 steps each
- Uniformity packages for validating equipment
- IQ/OQ procedures
- Digital recorder with RS485

Product Description

- Precise digital temperature set point with LED readout.
- Two sizes: 19 cu. ft. and 29 cu. ft.
- Zero-switching, microprocessor-based main temperature controller with multi-range, auto tuning PID control for fast control response with minimal overshooting.
- Sturdy 20 gauge galvanized steel exterior with grey powder coated finish.
- Six adjustable heavy-gauge perforated stainless steel shelves come as standard equipment, to facilitate various sample sizes.
- Environmentally safe, CFC-free foam insulation and refrigerant.
- Corrosion resistant stainless steel interior.
- Key lock standard for sample security.
- Heated door eliminates condensation.

Operation

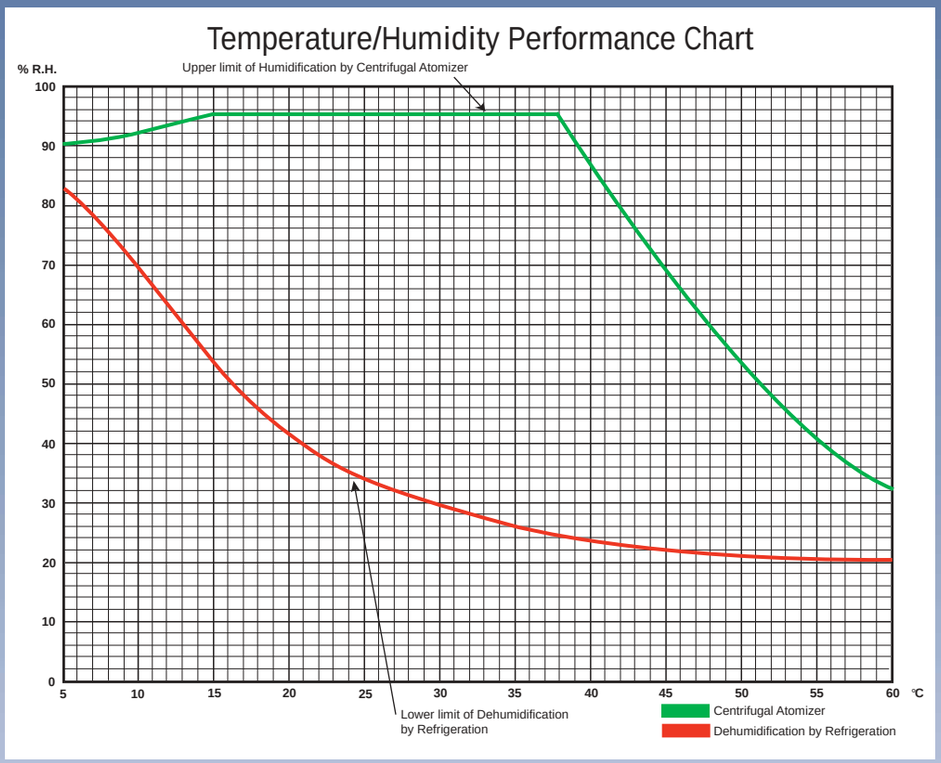
- Available with two temperature ranges: Ambient +10°C to 60°C or 0°C to 60°C.
- All models have a temperature control of ±0.5°C.
- Humidity dependent on temperature, (refer to chart on next page.)

Applications

- Versatile chambers designed to provide control and uniformity across a wide variety of applications including: drug stability testing, genetic studies, shelf life testing, chromatography tests, tissue culture studies, growth chamber studies and more.

Performance Chart

This chart shows the temperature/humidity set points which can be achieved by chambers with temperature and humidity control. To use the chart, locate the desired temperature set point along the horizontal axis, and the desired humidity set point along the vertical axis. Follow the line of the temperature set point upward until it intersects the humidity set point line. The area between the red and green lines indicates temperature and humidity parameters that are attainable by the reach-in chambers.



Ordering Information

(120v/60hz Models)

Model #	Temperature Control Only	
19 Cubic Foot		
E20060	19 cu. ft. 0° - 60°C	Includes refrigeration
EC20060	19 cu. ft., 0° - 60°C	Includes refrigeration and chart recorder
E21060	19 cu. ft., Ambient +10°C - 60°C	Heat only
EC21060	19 cu. ft., Ambient +10° - 60°C	Heat and chart recorder
Temperature and Humidity Control (See Temperature/Humidity Performance Chart for specific parameters).		
E22560	19 cu. ft., 0° - 60°C with humidity control	Includes refrigeration and humidity control
EC22560	19 cu. ft., 0° - 60°C with humidity control	Includes refrigeration, humidity control and chart recorder
E24075	19 cu. ft., Ambient +10° - 60°C, with humidity control	Heat and humidity control
EC24075	19 cu. ft., Ambient +10° - 60°C, with humidity control	Heat, humidity control and chart recorder
29 Cubic Foot		
E30060	29 cu. ft., 0° - 60°C	Includes refrigeration
EC30060	29 cu. ft., 0° - 60°C	Includes refrigeration and chart recorder
E31060	29 cu. ft., Ambient +10° - 60°C	Heat only
EC31060	29 cu. ft., Ambient +10° - 60°C	Includes heat and chart recorder
Temperature and Humidity Control (See Temperature/Humidity Performance Chart for specific parameters).		
E32560	29 cu. ft., 0° - 60°C with humidity control	Includes refrigeration
EC32560	29 cu. ft., 0° - 60°C with humidity control	Includes refrigeration, humidity control and chart recorder
E34075	29 cu. ft., Ambient +10° - 60°C, with humidity control	Heat and humidity control
EC34075	29 cu. ft., Ambient +10° - 60°C, with humidity control	Heat, humidity control and chart recorder

**220/50 Hz and 240V/60 Hz units available. Add -1 to model number for 240V/60 Hz. Add -2 to model number for 220V/50 Hz. Example: E20060-1 would be a 240V/60 Hz unit.*

**All models must be hard wired. 240V models - 4 wires: 2 hots, 1 neutral and 1 ground. 120V models - 3 wires: 1 hot, 1 neutral and 1 ground.*

US List Price

For a quotation, please refer to the Environmental Chamber Questionnaire following the Chamber section on page 48.

Refer to pg. 46 for drawings and dimensions.

Walk-In Environette®

Control Panel

Our Largest Environmental Chambers!

- Microprocessor-based main temperature controller
- Ideal for pharmaceutical stability tests, sample storage and shelf life testing
- Available in three sizes and two temperature ranges

Product Description

- Two temperature ranges: Ambient +10° to 60 °C or 0°C to 60°C (Models with “A”).
- Temperature control and uniformity of ±0.5°C.
- Zero-switching, microprocessor-based main temperature controller with multi-range, auto tuning PID control for fast control response with minimal overshooting.
- Modular panel construction with 4" of foamed-in-place polyurethane insulation for optimum performance.
- Fluorescent work light housed in a vapor-proof fixture included.
- Corrosion resistant stainless steel interior.

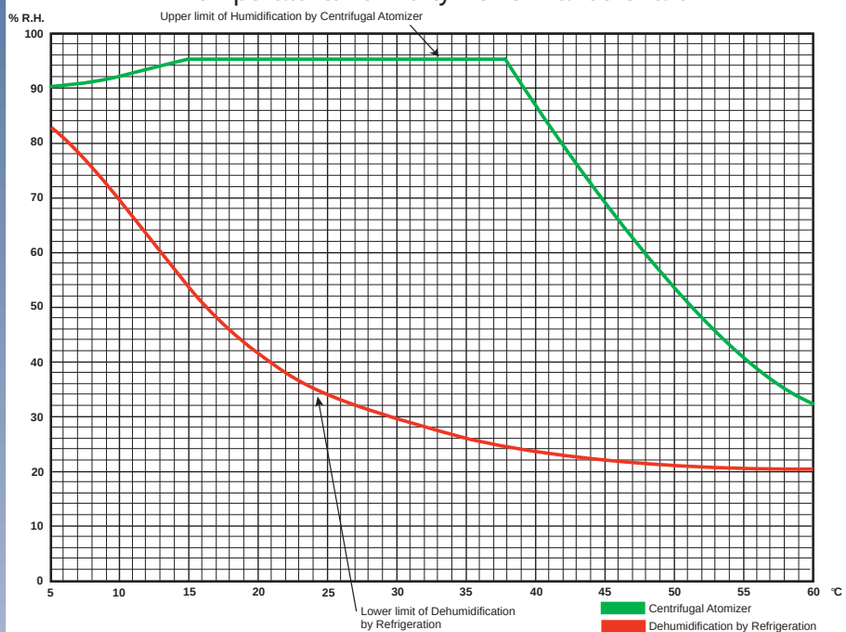
R26—chart recorder option

Lab-Line

Environmental Chambers

This chart shows the temperature/humidity set points which can be achieved by chambers with temperature and humidity control. To use the chart, locate the desired temperature set point along the horizontal axis, and the desired humidity set point along the vertical axis. Follow the line of the temperature set point upward until it intersects the humidity set point line. The area between the red and green lines indicates temperature and humidity parameters that are attainable by the reach-in chambers.

Temperature/Humidity Performance Chart



Ordering Information

Model #	Chamber Size Inches (cm)	Volts	Electrical Hz	Watts	Operating Temp Range °C
704S	48 (122) x 48 (122)	240	60	1600	Ambient +10° to 60°C
704S-2	48 (122) x 48 (122)	220	50	1600	Ambient +10° to 60°C
704AS	48 (122) x 48 (122)	240	60	3400	0° to 60°C
704AS-2	48 (122) x 48 (122)	240	50	3400	0° to 60°C
706S	48 (122) x 72 (183)	240	60	1600	Ambient +10° to 60°C
706S-2	48 (122) x 72 (183)	220	50	1600	Ambient +10° to 60°C
706AS	48 (122) x 72 (183)	240	60	3400	0° to 60°C
706AS-2	48 (122) x 72 (183)	240	50	3400	0° to 60°C
708S	48 (122) x 96 (244)	220	60	1600	Ambient +10° to 60°C
708S-2	48 (122) x 96 (244)	220	50	1600	Ambient +10° to 60°C
708AS	48 (122) x 96 (244)	220	60	3400	°0 to 60°C
708AS-2	48 (122) x 96 (244)	220	50	3400	°0 to 60°C

208V also available. Contact Customer Service.

US List Price

For a quotation, please refer to the Environmental Chamber Questionnaire following the Chamber section on page 48.

Accessories

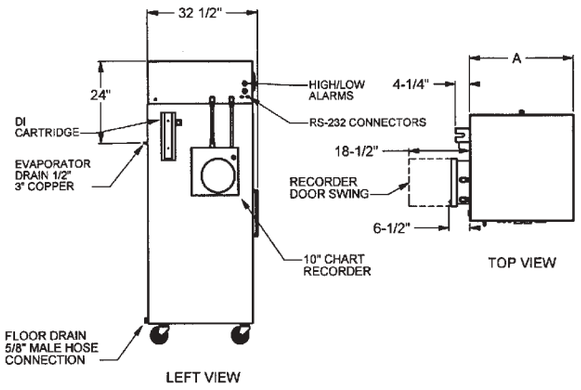
Model #	Description
A	Refrigeration System—For applications requiring 0°-60°C.
H	Humidification by Centrifugal Atomizer—Standard method for providing humidity. Atomizer is located at top of chamber, sends heated vapor mist into ceiling air plenum. Includes a deionization cartridge assembly. Please refer to performance chart for achievable temperature and humidity parameters.
D	Dehumidification by Refrigeration for controlled humidity at ambient and lower temperatures
V	Vapor Proof Duplex outlet
P	Access port, 2"
W	Remote Alarm Junction

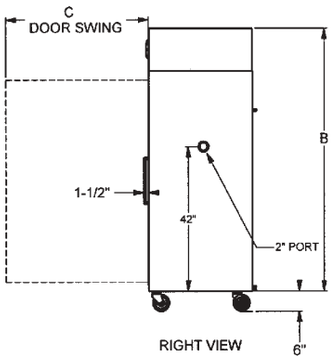
Refer to pg. 47 for drawings and dimensions.

Model #	Description
R27	1-pen, 10" (25cm) Chart Recorder, 7 day temperature only, 120/240V, 50/60 Hz
R26	2-pen, 10" (25cm) Chart Recorder, 7 day temperature and humidity, 120/240V, 50/60 Hz
R31	Digital recorder with RS485 capabilities, 1-pen temperature.
R32	Digital recorder with RS485, 2-pen temperature and humidity
C1	RS232 for temperature
C2	RS232 for temperature and humidity
M	Microprocessor Controller with Ramping Capability for temperature
585-036-00	Replacement deionization cartridge (1 supplied with "H" option)

IQ/OQ, installation and uniformity packages are also available. For more information, please contact Customer Service.

Reach-In Environette®





DIMENSIONS

	E2	E3
A	31"	40-3/4"
B	76-1/4"	74"
C	23-1/2"	34-1/2"

NOTES: 1. IT IS RECOMMENDED TO ALLOW 20" ON DRAIN & RECORDER SIDE IF UNIT FOR ACCESS AND SERVICEABLITY.

2. HUMIDITY ROOMS WATER SUPPLY OF 40PSI MAX IS REQUIRED. THE SUPPLY MUST HAVE A SHUTOFF.

Models Recommended for Stability Testing of Drugs and Pharmaceuticals

Long Term Tests (25°C—60% RH) Chambers with heat and refrigeration	Accelerated Tests (40°C—75% RH) Chambers with heat only
E(C)22560	E(C)24075
E(C)32560	E(C)34075

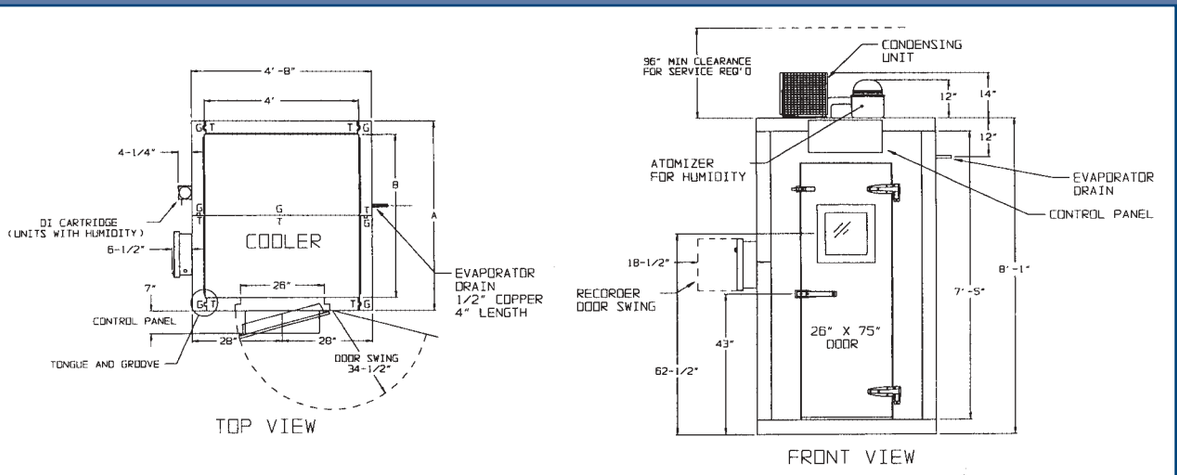
Product Specifications

Capacity	Exterior Dimensions Inches (cm) W	H	D	Chamber Dimensions Inches (cm) W	H	D	Weight Lb. (kg)
29 cu. ft. (821 l)	40.75 (104)	80 (203)	32.5 (84)	36.75 (93.3)	52.75 (135)	26 (66)	600 (272)
19 cu. ft. (538 l)	31 (79)	82 (208)	32.5 (84)	26.75 (67.9)	52.75 (135)	26 (66)	450 (204)

Ordering Information and Accessories

Model #		US List Price
810-123-02	Extra Shelf, 36" W x 23.2" D (29 cu. ft. models)	*For a quotation, please refer to the Environmental Chamber Questionnaire following the Chamber section on p. 48.*
810-390-02	Extra Shelf, 25.5" W x 23.2" D (19 cu. ft. models)	
585-036-00	Replacement deionization cartridge (1 supplied with humidity units)	

Walk-In Environette®



NOTES:
1. IT IS RECOMMENDED TO ALLOW 24" ON RECORDER SIDE AND 20" ON DRAIN SIDE OF UNIT FOR ACCESS AND SERVICEABILITY.
2. REFER TO SPECIFICATION SHEET FOR POWER AND INSTALLATION REQUIREMENTS.

DIMENSIONS

	704	706	708
A	4'-8"	6'-9"	8'-8"
B	4'-0"	6'-1"	8'-0"

Product Specifications

Model #	Chamber Dimensions Inches (cm) W	H	D	Exterior Dimensions Inches (cm) W	H	D	Shelf Area sq. ft. (sq. m)	Linear Shelf Space ft. (m)	Temperature Stability	Shipping Weight Lb. (kg)
704S, 704S-2	48 (122)	82 (208)	50 (127)	56 (142)	107 (272)	58 (147)	56.5 (5)	46 (14)	±0.5°C	1200 (544)
704AS, 704A5-2	48 (122)	82 (208)	50 (127)	56 (142)	107(272)	58 (147)	56.5 (5)	46 (14)	±0.5°C	1550 (703)
706S, 706S-2	48 (122)	82 (208)	73 (185)	56 (142)	107 (272)	81 (205)	75.5 (7)	70 (21)	±0.5°C	1740 (789)
706AS, 706AS-2	48 (122)	82 (208)	73 (185)	56 (142)	107 (272)	81 (205)	75.5 (7)	70 (21)	±0.5°C	2000 (907)
708S, 708S-2	48 (122)	82 (208)	96 (244)	56 (142)	107 (272)	104 (264)	94.5 (8.7)	94 (28.6)	±0.5°C	2200 (998)
708AS, 708AS-2	48 (122)	82 (208)	96 (244)	56 (142)	107 (272)	104 (264)	94.5 (8.7)	94 (28.6)	±0.5°C	2200 (998)

Ordering Information and Accessories

US List Price

For a quotation, please refer to the Environmental Chamber Questionnaire following the Chamber section on p. 48.