

# Lunaire Stability/ Shelf Life Test Chambers

**Steady State and  
Food & Drug  
Stability  
Chambers**



Lunaire Environmental's Temperature / Humidity chambers are available in five convenient sizes. With workspace sizes of 10, 17, 32, 41, and 58 ft<sup>3</sup> and a variety of temperature and humidity combinations, these chambers provide the flexibility for a wide range of uses. Applications include ICH general stability conditions for room temperature storage; intermediate storage; accelerated shelf life studies; steady state, reliability, and stability testing; burn-in; curing; controlled temperature storage; clean room and bio-medical research testing; and production processes.

## Features

- Design features required for present and future ICH (International Committee for Harmonization) guidelines for stability testing conditions
- Vapor-tight interiors made of 18-gauge stainless steel that is continuously welded under inert gas
- Solid, stainless steel shelves are capable of holding up to 135 lbs. and are easily removed for cleaning
- Horizontal recirculation conditioning system allows flexibility in shelf-loading patterns
- Temperature is measured by a highly reliable platinum RTD sensor
- A Waltow controller provides automatic or manual chamber control with digital selection and indication of actual conditions



**Lunaire**

## Lunaire CEO Chamber Specifications

Overall dimensions in inches/centimeters

Model	Non-Humidified	CEO 910-1	CEO 910-2			CEO 917-1	CEO 917-2			CEO 932-1	CEO 932-2			CEO 941-1	CEO 941-2			CEO 958-1	CEO 958-2			
	Humidified			CEO 910-3	CEO 910-4			CEO 917-3	CEO 917-4			CEO 932-3	CEO 932-4			CEO 941-3	CEO 941-4			CEO 958-3	CEO 958-4	
Workspace	W	28/71				22.5/57				33/84				43/109				60/152				
	D	25/64				26/66				28/71				28/71				28/71				
	H	24/61				51/130				60/152				60/152				60/152				
Exterior	W	34/86				28.5/72				39/99				50/127				70/178				
	D	29/74				31/79				32/81				32/81				32/81				
	H	49.5/126				79/201				88/224	91/231	88/224	91/231	88/224	91/231	88/224	91/231	88/224	91/231	88/224	91/231	88/224
No. of Shelves		2				4				4				4				8				
No. of Shelf Guides		7				16				19				19				38				

Note: Casters add 3" to exterior height

## Temperature Range

Low	C°	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0	10° above ambient	0
High	C°	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99	+99

## Utilities, etc.

Refrigeration (HP)		—	1/3	—	1/3	—	1/3	—	1/3	—	1/2	—	1/2	—	1/2	—	1/2	—	3/4	—	3/4
Heater Capacity		1.5 KW				1.5 KW				2 KW				3 KW				6 KW			
Humidifier	KW	—		1.5		—		1.5		—		1.5		—		1.5		—		3	
	GPH	0.5																1.0			
AMPS @ 115V, 1Ø		16.5	—			21	—			21	—			—				—			
AMPS @ 208/230 4-WIRE, 1Ø-60Hz		—	17	24	29	—	20	26	32	—	20	26	24	18	24	30	37	36	43	49	56
AMPS Breaker <small>Over current production recommended</small>		20	20	30	40	30	30	40	40	30	30	40	30	30	30	40	50	50	60	60	70
Unit Weight	LBS	350	475	400	550	550	675	600	750	1000	1300	1150	1350	1300	1600	1450	1650	1550	1850	1700	1900

Humidity capability: above ambient to 96% RH on -3 models; 20% to 96% RH on -4 models. Based on ambient conditions of 22°C and 50% RH, limited by a 5°C dewpoint temperature. Control tolerance: ±0.3°C and ±2% after stabilization.



Specifications and Product Information is subject to change without notice.