

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 ft³ 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 pounds 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

Overall dimensions in inches/centimeters

Model	Non-Humidified	CEO	CEO			CEO	CEO			CEO	CEO			CEO	CEO			CEO	CEO		
		910-1	910-2			917-1	917-2			932-1	932-2			941-1	941-2			958-1	958-2		
	Humidified			CEO	CEO			CEO	CEO			CEO	CEO			CEO	CEO			CEO	CEO
				910-3	910-4			917-3	917-4			932-3	932-4			941-3	941-4			958-3	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
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)		-	a	-	a	-	a	-	a	-	2	-	2	-	2	-	2	-	:	-	:
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	32	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	40	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.



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