

Blue M

Stability and Shelf Life Chambers

Steady State Food & Drug Stability Chambers

Blue M's Steady State chambers are available in four convenient sizes. With work-space sizes of 8, 16, 32 and 58 cubic feet and a variety of temperature and humidity combinations, these chambers provide the flexibility for a wide range of uses. Watlow F4 Controller allows remote and unattended operation in setting up programs and setpoints. The F4 also allows easy control over both temperature and humidity settings in one controller. Common design elements of the chambers allow shelves to be interchanged between different models. Streamlined design allows TPS to ship chambers customized to the customer's needs in far less time than previous product lines. Customers with several CEO chambers, even if different sizes, now have consistent controls, utility requirements, and heat output, so plant management issues are greatly reduced.

► Applications Include:

- International Committee of Harmonization (ICH) applications
- Accelerated shelf life studies
- Steady state testing
- Stability testing
- Burn-in
- Curing
- Controlled temperature storage
- Clean room processes
- Bio-medical research

► Features:

- Remote and unattended operation in setting up programs and setpoints
- Easy control over both temperature and humidity settings
- Non-ramping, manual mode
- Serial communications capabilities via the EIA-232 and EIA-485 standards
- Modbus RTU protocol
- Direct printing to a serial printer
- Direct connection to a PLC, or computer workstation
- High definition, LCD display with four digital input lines
- 2 alarm outputs and eight digital event outputs
- Installation has also been improved with the addition of new combination casters/leveling legs.



Model	Non-humidified	CEO 908-2	CEO 908-4	CEO 916-2	CEO 916-4	CEO 932-2	CEO 932-4	CEO 958-2	CEO 958-4
	Humidified								
Work Space inches/ cm	W	33/84		33/84		33/84		60/152	
	D	28/71		28/71		28/71		28/71	
	H	15/38		30/76		60/152		60/152	
Exterior inches/ cm	W	39/99		39/99		39/99		70/178	
	D	32/81		32/81		32/81		32/81	
	H	46/117		61/155		91/231		91/231	
No. of Shelves		1		2		4		8	
No. of Shelf Guides		4		9		19		38	
Note: Casters add 2.5" to exterior height									
Temperature Range									
Low		0							
High		99°C							
Utilities									
Refrigeration (HP)		1/2						3/4	
Heater Capacity		2 kW						6 kW	
Humidifier	KW	1.5						3	
	GPH	0.5						1	
AMPS @ 208/230, 3-WIRE, 1Ph-60Hz		20	24	20	24	20	24	43	56
AMPS Breaker Overcurrent protection recommended		30	30	30	30	30	30	60	70
Unit Weight	LBS	375	400	425	450	524	550	1850	1900

Humidity capability: above ambient to 20% to 96% RH on -4 models. Based on ambient conditions of 22°C and 50% RH, limited by a 5°C dew-point temperature. Control tolerance: $\pm 0.3^\circ\text{C}$ and $\pm 2\%$ after stabilization.

Specifications & Product Information is subject to change without notice.

Images for reference only. Options and accessories may not be included with all models.



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