



Stability and Shelf Life Chambers

## Steady State Food & Drug Stability Chambers

Blue M's Steady State chambers are available in four convenient sizes. With workspace 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

*New and Improved!  
Watlow F4 Controller*



Model	Non-humidified	CEO 908-2		CEO 916-2		CEO 932-2		CEO 958-2		
	Humidified	CEO 908-4		CEO 916-4		CEO 932-4		CEO 958-4		
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			
<i>Note: Casters add 2.5" to exterior height</i>										
Temperature Range										
Low										
High										
Utilities										
Refrigeration (HP)										
Heater Capacity										
Humidifier										
KW										
GPH										
AMPS @ 208/230, 3-WIRE, 1Ph-60Hz		20	24	20	24	20	24	40	55	
AMPS Breaker		30	30	30	30	30	30	50	70	
Overcurrent protection recommended										
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 dewpoint temperature. Control tolerance: ±0.3°C and ±2% after stabilization.

All specifications are subject to change without notice.



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