

Venticell EVO IL Easy

Class 7 Dry Heat Sterilization Ovens
Patented Forced Air Convection



Temperature:

Ambient + 10°C up to 250°C (300°C max temp. option available)

Chamber:

- AISI 304 stainless steel (AISI 316 option available).
- Double wall, seamless main chamber with removable inner chamber.
- Patented 4-point door locking system securely seals the door to the chamber.
- Clean room 2-door pass-through models available.

Electrical:

115V 50/60Hz: 55, 111, 222
208-3P 50/60Hz: 707
230V 50/60Hz: 222, 404

Optional Equipment:

- Stainless steel exterior: AISI 304 or 316.
- Clean room / pass-through models (p. 5).
- 1" (25mm) / 2" (50mm) / 4" (100mm) access port.
- Flexible PT 100 temperature sensor.
- Heavy load chamber.
- Ethernet communication port
- Automatic key and door lock.
- Door sensor and alarm.
- Interior electrical socket: 230V.
- Rolling cart for 55, 111, 222.
- BMS contacts (24V, 1A).
- IQ/OQ protocols with 9pt. or 27pt. temperature mapping.
- USB drive, 30-day data logging: 22, 55, 111.
- Warmcomm software:
 - 4.0B - data monitoring.
 - 4.0P - data monitoring and control.
 - 4.0F - FDA 21 CFR part 11 compliance.

The Venticell EVO IL Easy is designed for dry heat sterilization of empty glass containers, metal materials, and thermally stable pharmaceutical products at temperatures up to 250°C.

The patented forced air convection system delivers rapid heating and cooling times with even temperature uniformity. Separate control panels are included with pass-through models for wall mounting on the load and unload side.

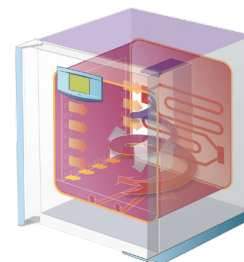
Key Benefits:

- Pharmaceutical-grade stainless steel chamber for easier cleaning and sterilization.
- Patented forced air convection system with simultaneous vertical and horizontal airflow for precise temperature uniformity and rapid heating times.
- * 2-door pass-through models meet clean room requirements according to ISO 14644-1.
- * Input HEPA inlet filter H13, meeting the purity standards for ISO class 7.



EVO Controller:

- 5.7" LCD touch display.
- Remotely installed on both the load and unload side.
- Fuzzy Logic algorithm constantly monitors chamber conditions and continuously optimizes parameters.
- (100) programs with (100) segments each for varying loads and parameters.
- Real-time programming and cycling with settings for temperature ramping.
- Fan adjustments in 1% increments.
- Programmable audible & visual alarms - temperature and time.
- Service programs for quick error diagnostics.
- USB device, RS232 & optional Ethernet port.
- Integrated SD card 30-day data logger & multi-level secure user authentication.
- Optional FDA CFR 21 part 11 compliance.



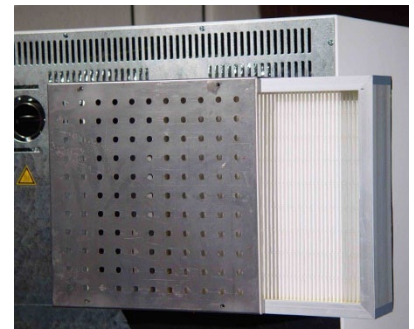
Patented Forced Air Convection System:

Our patented forced air convection system provides simultaneous vertical and horizontal airflow for precise temperature uniformity and fast heating and cooling times. The process of heating from the bottom of the chamber to the top mimics natural airflow, allowing for a more accurate simulation of climate conditions.

Venticell EVO IL Easy Technical Data		Model	55	111	222	404	707
Interior Dimensions	Volume	ft ³	1.9	3.9	7.8	14.3	25
		liters	55	111	222	404	707
	Width	inches	15.7	21.3	21.3	21.3	37
		mm	400	540	540	540	940
	Depth	inches	15.4	15.4	21.3	21.3	21.3
		mm	390	390	540	540	540
Height	inches	13.8	20.9	29.9	55.5	55.5	
	mm	350	530	760	1410	1410	
Exterior Dimensions (Including door and handle)	Width	inches	24.4	29.9	29.9	29.9	45.7
		mm	620	760	760	760	1160
	Depth	inches	25.2	25.2	31.1	31.1	31.1
		mm	640	640	790	790	790
	Height (Legs L, Casters C)	inches	26.8	33.9	42.9	75.2	75.2
		mm	680L	860L	1090L	1910C	1910C
Shipping Dimensions	Width	inches	28	33.5	33.5	33.5	49.2
		mm	710	850	850	850	1250
	Depth	inches	28.7	28.7	33.9	33.9	35.9
		mm	730	730	860	860	860
	Height	inches	35.4	42.5	52	84.7	84.7
		mm	900	1080	1320	2150	2150
Shelves: Stainless Steel	Capacity: # of shelf guides in chamber side walls	maximum #	4	7	10	19	19
		# included	2	2	2	2	2
Shelf Distance	Min. distance between trays	inches	2.8	2.8	2.8	2.8	2.8
		mm	70	70	70	70	70
Useable Shelf Area	Width x Depth	inches	15x13.2	20.5x13.2	20.5x19.1	20.5x19.1	36.2x19.1
		mm	380x335	520x335	520x485	520x485	920x485
Maximum Shelf Load	Per shelf	lbs	44.1	44.1	66.1	66.1	110.2
		kg	20	20	30	30	50
	Total Per Unit	lbs	110.2	110.2	154.3	220.5	286.6
		kg	50	50	70	100	130
Doors	No.	1	1	1	1	2	
Operation Temperature	From 5°C above ambient	up to °C	250 (300)	250 (300)	250 (300)	250 (300)	250 (300)
Temperature Deviation from Operation Temperature	Temperature Distribution	± % temp.	1	1	1	1.5	2.5
		± °C	0.4	0.4	0.4	0.4	0.4
Time to Reach Temperature of 250°C with closed air flap and 230V Power		minutes	49	53	70	58	64
Number of Air Exchanges @ 250°C		per hour	45	49	24	18	12
Heat Emission @ 250°C		W	590	760	990	1940	2550
Noise Level of Complete Device		dB	<55	<55	<55	<58	<58
Electrical Data	Max Consumption 50/60Hz	kW	1.3	1.9	1.8	3.7	4.9
		W (standby mode)	5	5	5	5	5
		A	11.3	16.5	16.5	19	28
		V	115	115	230	230	208-3P
IP Code			IP20	IP20	IP20	IP20	IP20
Weight	Net	lbs	121.3	165.3	220.5	330.7	474
		kg	55	75	100	150	215
	Gross	lbs	134.5	185	258	364	514
		kg	61	84	117	165	233



Venticell EVO IL Easy 707
Clean room 2-door pass-through chamber



Input HEPA Inlet Filter H13
Meets the purity standards for ISO class 7