



## Design Features

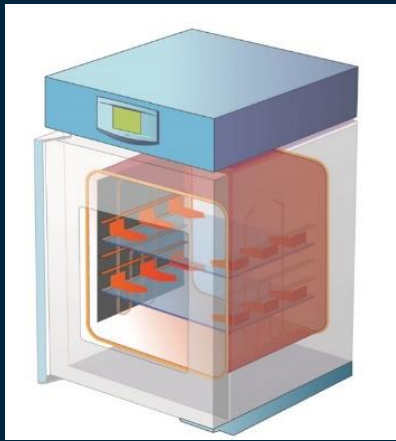
# VacuCell *Eco + Evo*



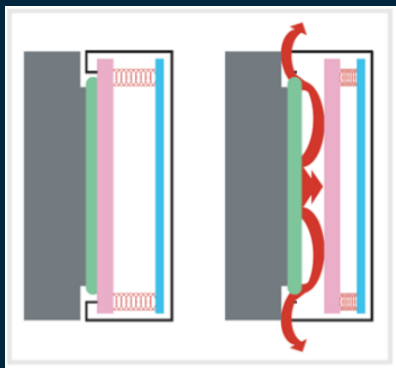
## Vacuum Ovens



Chamber Shelves & Brackets



Chamber Heating System



Ventiflex Glass Door



Vacuum & Power Connections

### Chamber

The EVO and ECO can achieve a deep vacuum to 0.005 mbar 0.00375 Torr

### Heating System #1

ServoTherm Patented system of heat transfer by direct conductive Heating. The shelf bracket design along with the shelf creates quick and uniform heating, transferring heat directly from the shelf to the sample.

Simultaneously it is easy to dismantle the shelf system for cleaning.

### Heating System #2

The 316 AISI polished stainless-steel chamber is heated by powerful heating elements, fixed to the external surface of the chamber.

The heat passes through the chamber material and heats the complete inner surface.

### Heating System #3

Another key element is the holistic chamber heating, to avoid residual steam condensation on chamber walls.

Precisely milled aluminum shelves placed on the inner wall shelf bracket system make strong contact with the chamber surface and so they absorb significant portion of heat.

The shelf distributes the heat to the entire surface, passing heat to samples chamber.

### Ventiflex - Safety door system

The Ventiflex system eliminates risk, while low, if there is combustion in the chamber pressure is directed away so the door cannot become a projectile.

### Fuzzy Logic enabled Controller Processor

Constant monitoring of the heating process for precise control and performance

### Precise vacuum regulation

Precise control of vacuum decreases and increase due to the high-quality and automatically controlled Danfoss pressure valves.

### Chamber construction

EVO & ECO chambers are made of AISI 316 stainless steel.

### Four-Point Door Latching

Securely and uniformly supports and seals the door to the chamber gasket.

### 5-Layers of Insulation

Chamber insulation for long-term stability of temperature parameters in the chamber

### Vacustation

Unique solution to house the vacuum pump & elevates the VacuCell for convenient use.

### Warmcomm Software

Warmcomm software versions for data capture, device control and FDA compliance

### Vacuum Access Port

DIN 40 mm for placement of standardized electric or mechanical access ports chamber