

# SalvisLab CO<sub>2</sub> Incubators

## SalvisLab Direct Heat fan less CO<sub>2</sub> Incubators vs. Fan-Driven Air-Jacketed Systems

### THE PROBLEM:

**Traditional fan-driven CO<sub>2</sub> incubated systems force warm air rapidly over T-flasks and cultures creating dynamic changes in cells over short periods of time.** These rapid changes can result in diminished and sporadic cell growth and alterations in expression performance. In addition, fan-driven systems create a temperature gradient where the cultures closest to the fan will experience a much different environment than those towards the bottom of the chamber, sometimes causing more severe desiccation in those samples closest to the fan. The fan and fixtures also require a tremendous amount of space inside the chamber, space better utilized for cell culture. Finally, the fan housing is a traditional source of contamination in cell culture and an infected fan housing effectively renders the CO<sub>2</sub> incubator useless.

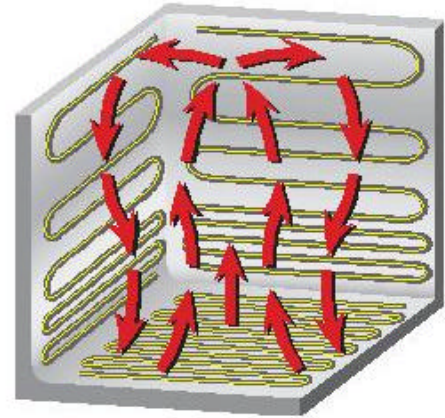
### YOUR SOLUTION:

#### Gentle Treatment for Your Cells

SalvisLab Biocenter BC175 fan less Direct Heat CO<sub>2</sub> Incubators utilize a unique six-sided differential heating profile that uses natural convection to bathe the cells in atmosphere. This method allows the cells to be gently brought up to temperature and CO<sub>2</sub>, buffering against the detrimental rapid changes seen in a fan-driven system.

#### More Usable Space

BC175 fan less Design allows for more usable space in the chamber. Not only is there no bulky fan inside the unit taking up space, but the whole chamber can be utilized, with samples experiencing consistent, uniform conditions throughout the chamber.



SalvisLab six-sided direct heating profile produces a very gentle convection circulation of chamber atmosphere for exceptionally uniform temperature and incubator environment.

#### Contamination Source Eliminated

Removing the fan housing eliminates a potential source of contamination and allows for a seamless, weldless chamber that makes cleaning effortless. There are no nooks or housings to reach into to ensure sterility.

SalvisLab CO<sub>2</sub> Incubators with Direct Heat are the choice to meet the demanding requirements of today's labs.

SalvisLab Biocenter... Heating Technology with Swiss Precision.