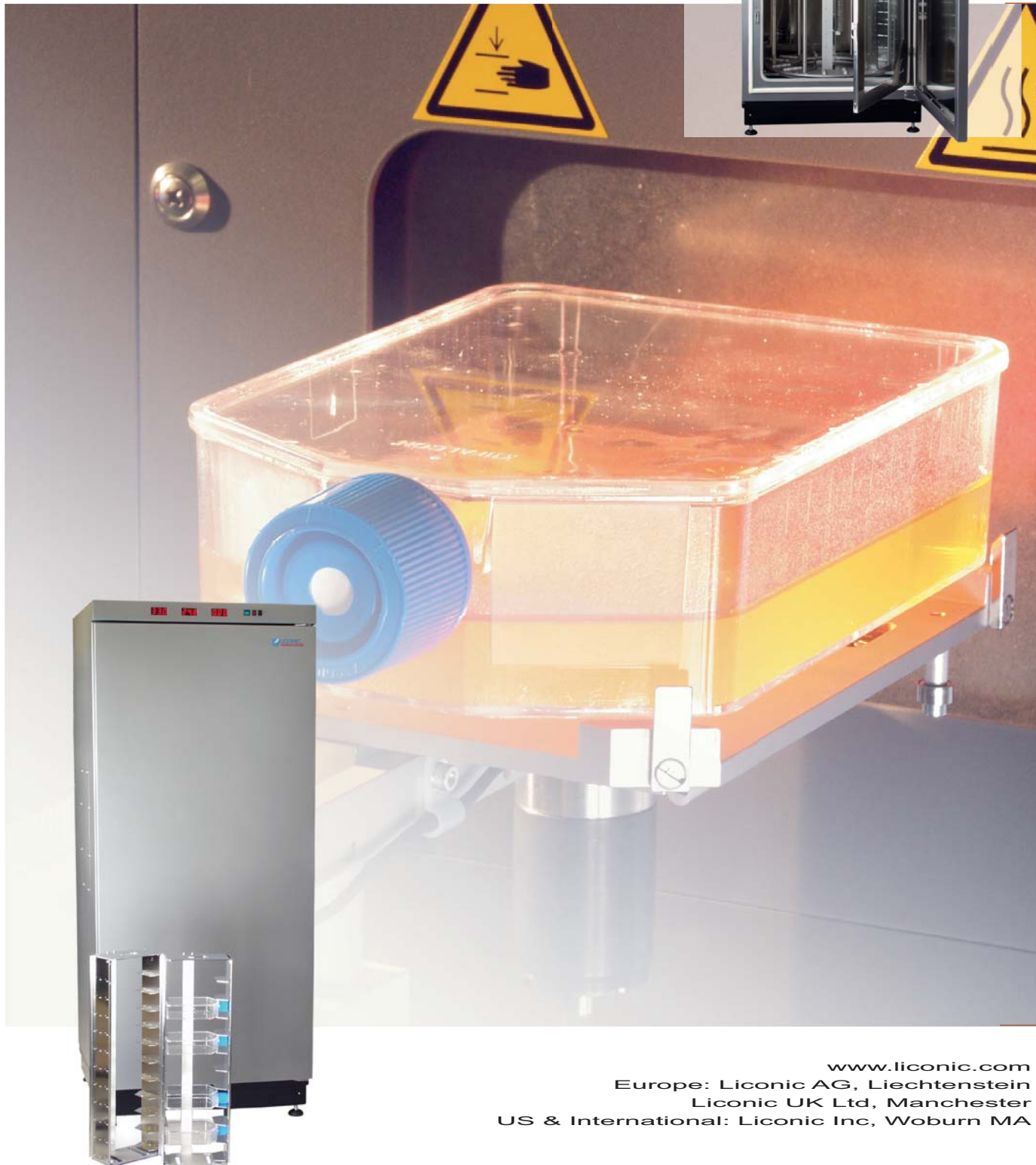


Flask Incubator **STF130**

*Designed to hold
130 Cell Culture Flasks*

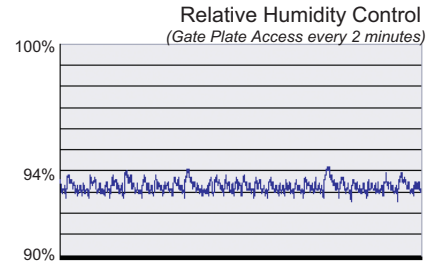
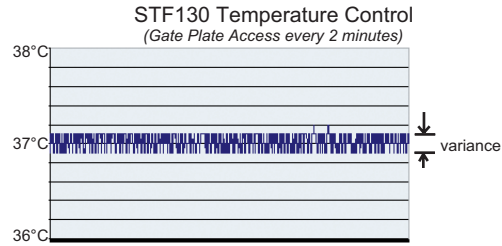


STF130 Series

Flask Incubator

The STF130 is designed to hold 130 items of straight neck 175 mL cell culture flasks. The flasks are stored in cassettes inside the incubation chamber.

The STF incubators use a unique design which complies with extremely frequent access while maintaining stable climate conditions inside the chamber. The flasks are accessed through a small automatically controlled door (gate) which is open during access only, thereby minimizing gas exchange. As the common interface between incubator and environment, a transfer station is located in front of the gate. Full manual access is maintained through a large user door and by removable cassettes (stackers).



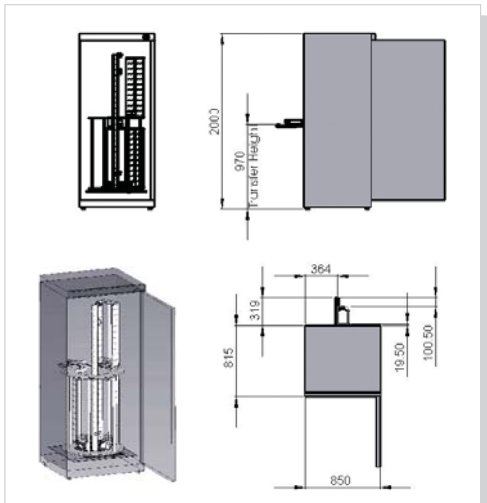
Climate Options

Type	Temperature	Humidity	Description	Order Nr.
STF130-IC	33..50°C (70°C)	max. 95%	Incubator	9141 01 96
STF130-HC ¹⁾	04..25°C	max. 90%	Humid Cooler	9141 01 97
STF130-DC2 ^{1) 3)}	04..25°C	04..50%	Dry Storage	9141 02 28
STF130-HR ¹⁾	04..50°C (70°C)	90..95%	Humid Wide Range	9141 01 98
STF130-DR ^{1) 3)}	04..50°C	02..80%	Dry Wide Range	9141 02 15
STF130-AR ²⁾	04..50°C	20..90%	Humidity Controlled	9141 02 16
STF130-DF ¹⁾	-20..0°C ⁴⁾	02..45%	Deep Freezer	9141 02 00

¹⁾ Humidity depends on temperature setting / ²⁾ Humidity Adjustable / ³⁾ Adjustable dehumidification / ⁴⁾ up to +20°C on request

Options

	Order Nr.	Gassing Option	Order Nr.
High temperature 70°C capability	9141 02 01	Fast CO2 Gassing Option	9118 11 12
Bar Code Reader Option	9141 02 02	Fast N2 Gassing Option	9118 11 13
Plate Presence Sensor	9121 00 62	Fast O2 Gassing Option	9118 11 14
Fast access for time critical applications	9141 02 03	Additional CO2 Gassing Option	9118 11 07
Copper self decontaminating incubator chamber	9141 02 18	Additional N2 Gassing Option	9118 11 11
Liconel self decontaminating incubator chamber	9150 00 64	Additional O2 Gassing Option	9118 11 08
Side Gate on left side wall	9141 02 04		
Side Gate on right side wall	9141 02 05		
Linear Shaker, Amplitude 1-100mm, 12-300 rpm	9122 05 15		



Entirely remote operation of handling and climate is provided. The handling allows full random access of all plates. The STF uses the LiCONiC's shovel based handling system, which transports a flask by loading it on an extended surface (shovel) during transport.

The STF-Series robotic handling is completely located inside the incubation chamber. The handling consists of a turntable that holds the removable stackers and a transport lift mechanism that transports a single plate between any stacker location and the external transfer station. By using our slide station, flasks can be transferred directly into a viewing station preserving the environmental conditions needed for accurate testing. The delivery gate can be located at the rear or at the right or left center. This allows the unit to be positioned in the desired orientation. Multiple gates are also possible. The STF series gate simplifies integration by avoiding any obstacle in the gate area.