E³

Essential
Evolution
Expert

Froilabo has developped a new range of deep freezers, around **3 main values**:

Security
The preservation of the sample has been the key to any other consideration in our product development.

Performance
Priority has been given to fast temperature recovery without compromising the power consumption.

Innovation
Customer's comments and suggestions have led the development of those freezers for which several innovations have been patented.

Froilabo
Precision for life

Since 2009, Froilabo is a member of the **Techcomp Group** alongside other scientific manufacturers such as Precisa Gravimetrics, Edinburgh Instruments and Scion Instruments.

With almost **100 years of experience** in temperature and humidity control, Froilabo offers products covering a range of temperature from –86°C to 250°C (-123°F to 483°F) with precision and homogeneity rarely achieved by other manufacturers.

Using a Froilabo product keeps **samples safe**, protects the **operator** and preserves the **environment**.

All Froilabo equipments are created and developed in France.

ISO 9001   **ISO 13485**   **récylum**

ULTRA LOW TEMPERATURE FREEZERS

INNOVATION & PERFORMANCE

EASY MAINTENANCE

VALUE & ECONOMY

SAFETY & SECURITY

▶ Essential

▶ Evolution

▶ Expert

Froilabo
Precision for life

LABORATORY TECHNICIAN

- **E**rgonomic "intelligent" handle
- **S**ample storage "inventory" software system
- **P**ull-out shelving

Samples preservation and storage management

A locked handle's sensor validate the closed door position. An integrated bar code scanner allows the identification of the samples and the storage management.
Pull-out shelving improve significantly the ergonomics of the sample/rack access.

PURCHASING MANAGER

- **C**onsumption optimization
- **N**o oil separator
- **U**ser awareness and guidance

Cost control and efficiency

Simple and efficient pipe architecture avoids oil clot and eliminates a potential expensive maintenance.
Tutorials, informations and parameters will help the user to minimize the performance/cost of use efficiency.

MAINTENANCE ENGINEER

- **E**asy and limited routine maintenance
- **M**aximized compressors protection
- **I**ntegrated diagnosis support

Simplified maintenance

12 LED indicators will ease the diagnosis.
All vital components can be rapidly extracted and replaced thanks to plug and play construction.
Simple maintenance such as filter cassette replacement will be a matter of seconds.

EVOLUTION MODEL IN DETAILS

- Touch screen
- Intelligent handle
- Pressure release valve
- Removable filter
- Robust hinge
- Lightweight aluminium door
- 12 LED indicators

The E³ range includes 3 models:

▶ **Essential**
Ideal for long-term sample storage.

▶ **Evolution**
Optimum for daily use and frequent door opening.

▶ **Expert**
Developed for sample inventory management and storage optimization.

	ESSENTIAL	EVOLUTION	EXPERT
INNOVATION & PERFORMANCE			
Inside round corners for better temperature homogeneity	✓	✓	✓
Anti-frost door sealing (patented)	✓	✓	✓
Integrated bar-code scanner in "intelligent" handle (patented)			✓
VALUE & ECONOMY			
Eco mode/power consumption optimization	✓	✓	✓
Confort zone indicator		✓	✓
Display management with proximity sensor	✓	✓	✓
EASY MAINTENANCE			
Statistics menu	✓	✓	✓
"Pull-out" electronics module and compressor systems	✓	✓	✓
12 LED indicators	✓	✓	✓
SAFETY & SECURITY			
Physical locking and software based security	✓	✓	✓
Passwords and camera/pictures to record user events*		✓	✓
Fail-safe "BoSS" regulation-outage management	✓	✓	✓

Final features subject to revision