



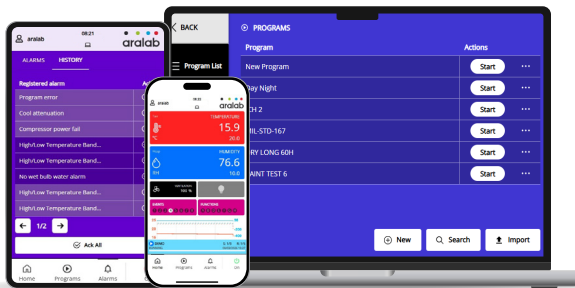
Web
climaplus

• • • •
aralab

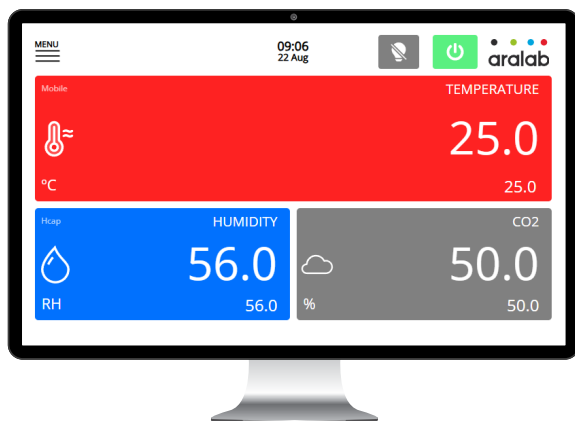
New generation of control for Aralab chambers

ClimaPlus® Web is the new generation **control system** for Aralab chambers. It introduces a **modern, browser-based interface** accessible from any **device** (PC, tablet, smartphone), while maintaining the **precision, reliability, and flexibility** that define Aralab systems. Designed for **remote access, multi-user operation, and simplified maintenance**, ClimaPlus Web delivers a unified, **future-ready control experience** across **BIO, STABILITY, and TESTA** chambers.

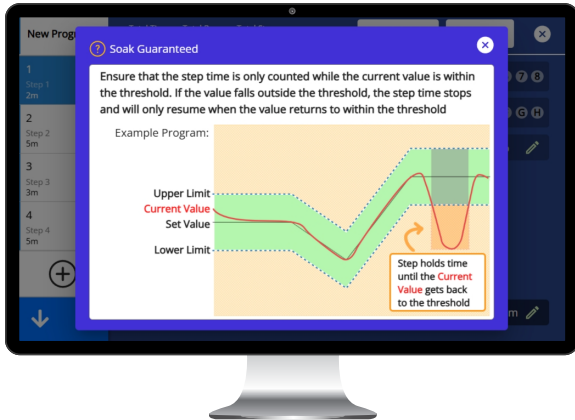
User Interface and Experience



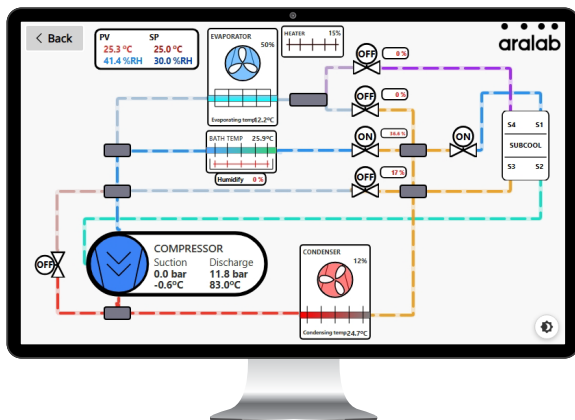
Modern modular web interface accessible both from the **local HMI** and from any **web browser** – whether on **desktop, tablet, or mobile phone**.



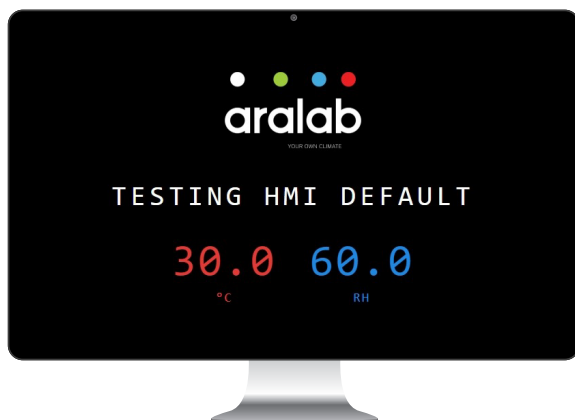
Parameter blocks display all controlled variables (**temperature, humidity, light, CO₂, radiation, etc.**) in **real time**.



Contextual help buttons provide relevant guidance for each function, reducing or even eliminating the need to consult **user manuals**. **Smoother screen transitions and responsive** visual feedback improve overall **usability** and the **operator experience**.

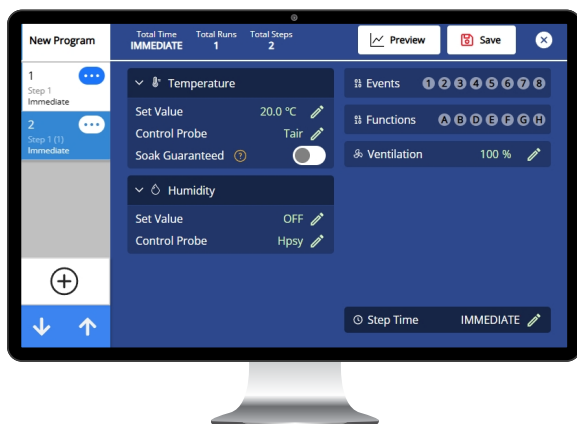


Synoptic view available on all models, providing an instant graphical overview of chamber operation and all active components.

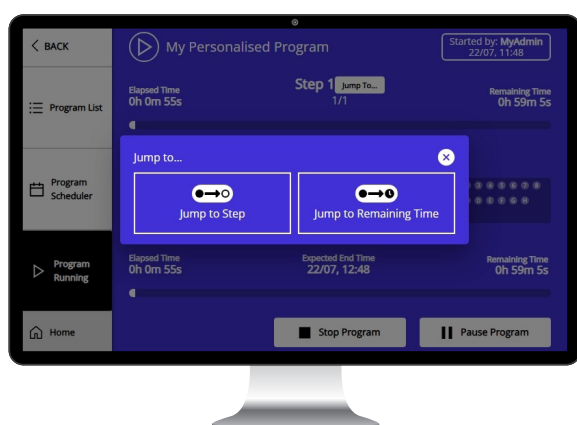


The enhanced **screen saver** displays the **chamber name** and current **process values** (temperature, humidity, etc.), ensuring key status information remains visible at all times. Optionally, the screen can be set to stay on continuously, keeping the screen saver active for **ongoing visibility**.

Programming and Control



Unlimited programs and segments – capacity limited only by the **controller's memory**. Programs can be **renamed, marked as favorites, duplicated, or deleted** to streamline workflow, with favorites appearing first in the list.



The new **“Step Jump”** feature lets the operator jump directly to any program **step** or to a **specific moment** within a step, simplifying adjustments and saving time during long or complex runs.

Search function – find specific programs by **name**.

Frequently used programs can be marked as **favorites** for quick access.

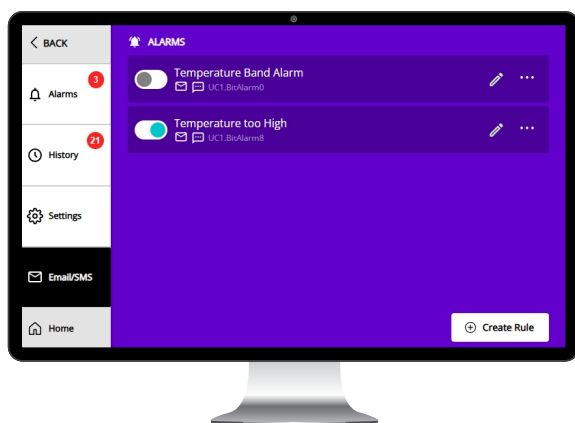
The **“visual runner”** view shows the active program's **progress** and full **timeline**.

Traceability: records the **user** who last started or modified each program. Simplified **scheduling** interface to set **start times**.

Eco Scheduling: users define **peak/off-peak electricity costs** and the system suggests optimal start times to minimize energy use.

Program **import/export** directly via the **browser** – no **USB** required.

Alarms and Notifications



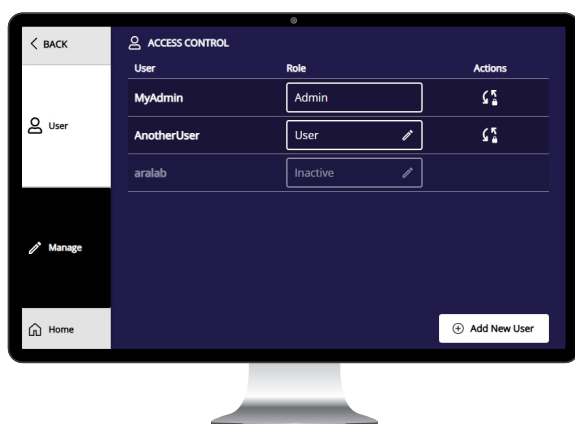
Native email and **SMS** notifications handled directly on the chamber – no external **PC/SMTP** server required.

Custom alerts: each user can set their own email/SMS **contacts** for alarms.

Acknowledging alarms allows **adding a comment**, improving traceability and accountability.

Visual feedback: badge counters show current and past alarms; system notifications display **real-time alerts**.

Access and Security



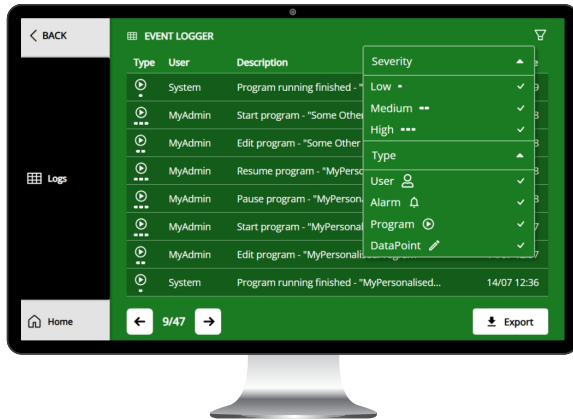
The **audit log records** all **user actions**, **configuration changes**, and **alarms with timestamps**.

Role-based **access control** with **Administrator**, **User**, and **Viewer** profiles.

Unlimited user accounts – no limit on the number of users.

Token-based **authentication** and **session management**, ensuring **secure access** and **controlled user activity**.

Data and Logging



Robust chronological database capable of **storing up to two years of operational data** (depending on the **HMI model**), replacing old **text-based logs**.

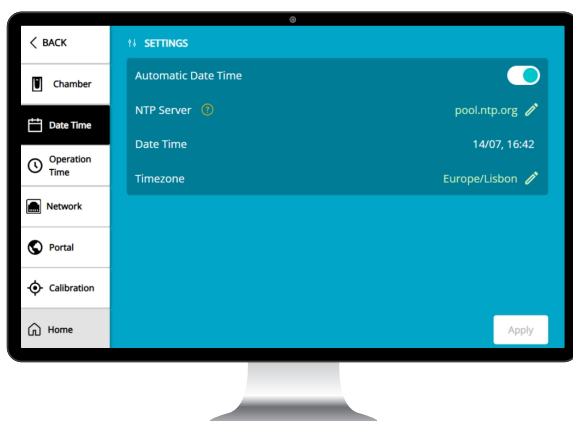
Continuous local monitoring without reliance on **external software** like **Fito-Log**.

Data export in **CSV** or **D90** formats directly via the **browser**.

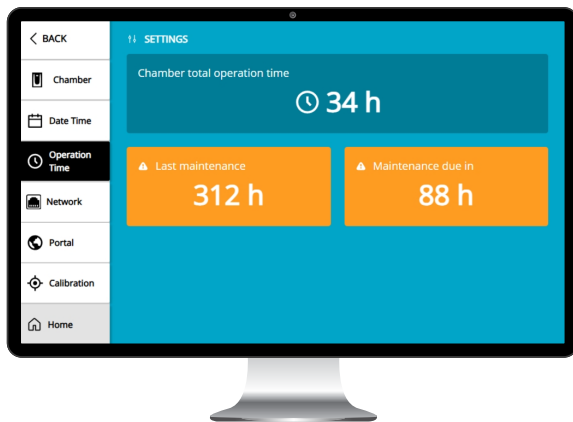
Comprehensive event log that classifies **actions by severity level** (three levels) and allows **filtering** for **easier analysis**.

Designed for regulated environments, such as those requiring **compliance with FDA 21 CFR Part 11**.

Chamber Settings and Maintenance



Automatic NTP synchronization for **consistent timestamps** across all networks.



Tracks total runtime and **key component usage**.

Custom chamber naming for easy identification and **network access**.

Multilingual interface support for global deployment.

Energy-saving and **Chamber-Off modes** to optimize consumption during idle periods.

On-screen maintenance reminders and **service notifications**.

Key Advantages

- **Unified firmware and interface** across all **chamber** families.
- **Simultaneous multi-user access** from **any device** via **web browser**.
- **Next-generation program editor** with **live view** and **full browser-based editing** – no **external software [FitoProgram]** required.
- Virtually **unlimited programs** and **segments**.
- **Built-in email** and **SMS notifications** with no **external software**.
- **Energy optimization** via **Eco Scheduling** and **standby modes**.
- **Extended data retention** with an **internal database** of up to **2 years**.
- **Online updates** and **cloud connectivity** via the **Aralab Portal***.
- **Complete audit trail** and design ready for **regulatory compliance**.

*Coming soon.

ClimaPlus® vs ClimaPlus® Web

Functionality	ClimaPlus	ClimaPlus Web	Notes
Interface	7-inch HMI touchscreen	7-inch HMI + mirrored web interface (desktop/mobile)	Same hardware, new web-based interface, accessible remotely .
Access	Local only (VNC available)	Local and remote via browser, multi-client	Simultaneous connections supported
Programs	Limited (BIO/STABILITY 32x24; TESTA 50x50)	Unlimited (limited only by the controller's memory)	No predefined limits
Program Editing	Basic on-screen editor with limited usability	Full graphical editor with live preview and browser access	Eliminates the need for external software (FitoProgram)
Favorites	Not available	Programs can be marked as favorites	Improved UX – localization support
Scheduling	Fixed start options (date and time)	Redesigned interface + Eco Scheduling	Improved optimization of UX and energy costs
Logging	Internal logging + PC via FitoLog	Time-series database (up to 2 years) + CSV/D90 export	Longer, more resilient retention
Alarms	On-screen + optional email via FitoLog	Native email/SMS + comment-based acknowledgment	System notifications, improved traceability
User access	Viewer/User/Admin/Factory	Unlimited users, role-based permissions	Token-based sessions; audit logging
Integration with the Aralab Portal*	Not available	Yes	Remote updates, email/SMS notifications, service scheduling

*Available soon



Updates	Manual firmware via service tool	Online via Factory Page or Aralab Portal*	No external tools required
Energy Saving	BIO & STABILITY (Eco Mode – PID savings)	All models. Legacy Eco Mode + Eco Scheduling	Eco Mode + user-defined peak costs
Synoptic View	Common synoptic diagram for BIO & STABILITY models	Modern chamber-specific synoptic view	Improved clarity and design
Event Logger	No. Alarm log only	Categorized events (3 severity levels) + CSV export	Audit log ready for regulatory compliance

*Available soon





**We are
Future-Ready.**

Let's meet!

aralab@aralab.pt
T: +351 219 154 960

www.aralab.pt

