

4 more Labor[®]

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- FILTER FUME CUPBOARD WITH 500 MM CLEAR OPENING ACCORDING TO EN STANDARD

WE BUILD YOUR **FILTER FUME CUPBOARD** ACCORDING TO ERGONOMIC ASPECTS AND THE HIGHEST STANDARDS FOR YOUR SAFETY



STELLAIR® FILTER FUME HOODS: SAFE. MODULAR. INTELLIGENT. PORTABLE.

The **StellaAIR® filter fume hood** allows safe laboratory work without requiring an external exhaust air connection, thanks to our qualified, modular filter cassettes tailored to your application. We offer 5 standard widths — 780 mm, 900mm, 1200 mm, 1500 mm und 1800 mm — and also provide customized solutions tailored to specific dimensional requirements upon customer request.

DESIGN & MATERIALIEN

- Constructed from polymer-coated anti-corrosion steel for maximum durability
- Side panels made from high-transparency PMMA for full visibility
- The system self-regulates and monitors the required airflow velocity at the front opening to ensure optimal containment
- Side cable ports integrated for easy device connectivity
- Seamless remote monitoring enabled via Wi-Fi and integrated data interfaces — stay connected to your system anytime, anywhere. (optional)
- Designed for placement directly on your laboratory worktable – no integrated worktop (Worktop optionally available)
- Working depth: Between 600 and 750 mm depending on model version (special dimensions on request)

MODULAR ASSEMBLY & USABILITY

- Delivered in a modular system for simple self-assembly
- Completely portable and easy to maintain without specialized tools
- Filter replacement is tool-free and uses RFID technology for the highest user safety
- Filter validation recommended via one of our certified trade partners

ERGONOMIC WORKING AREA

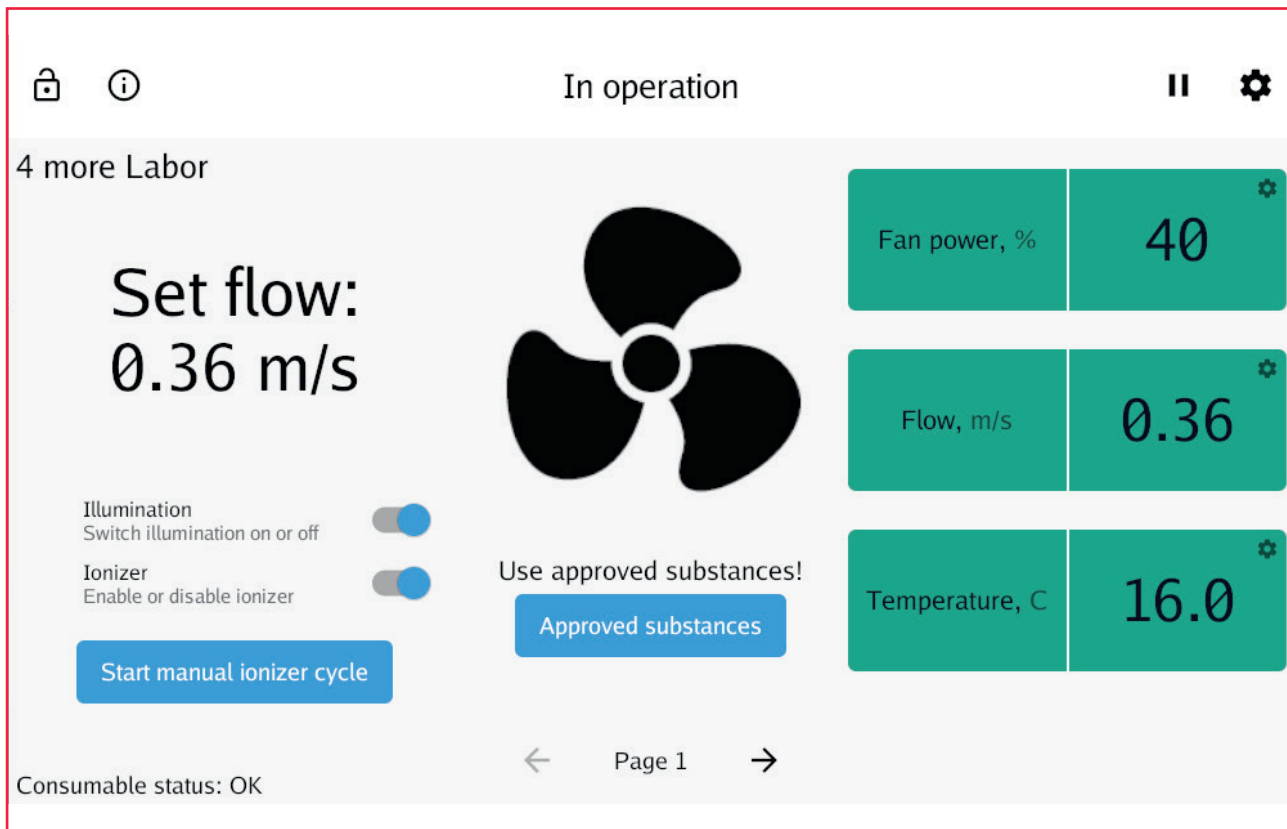
- Permanent front opening height from 400 mm to 500 mm depending on model for barrier-free, convenient working
- A trapezoidal access opening is optionally available, though not required thanks to our precise, anemometer-supported airflow regulation system which ensures consistent safety and comfort.
- LED lighting integrated with 1500 lux for optimal visibility



COMFORTABLE WORKING THANKS TO 500 MM FRONT OPENING HEIGHT

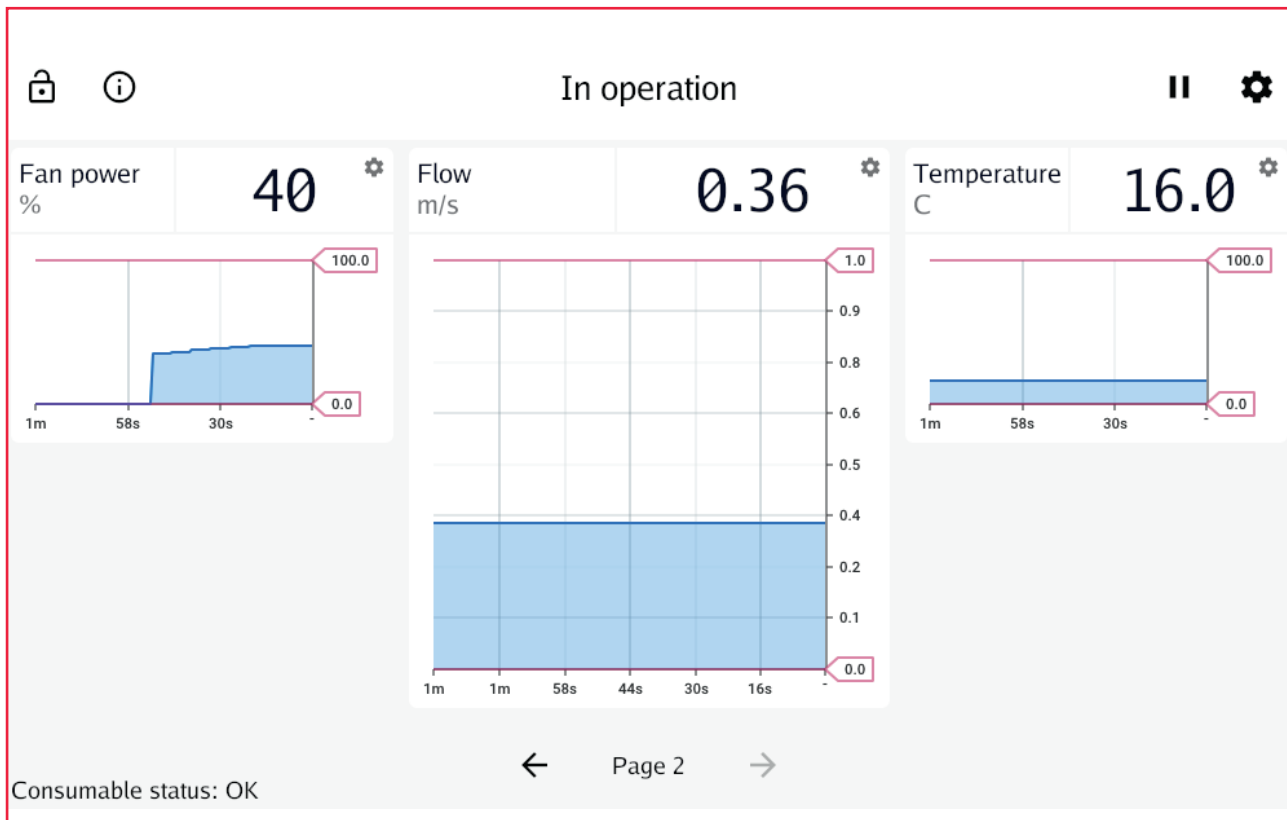
TOUCHSCREEN CONTROL & AUTOMATION

- Advanced Touch Panel with 10" Display for real-time control and monitoring.

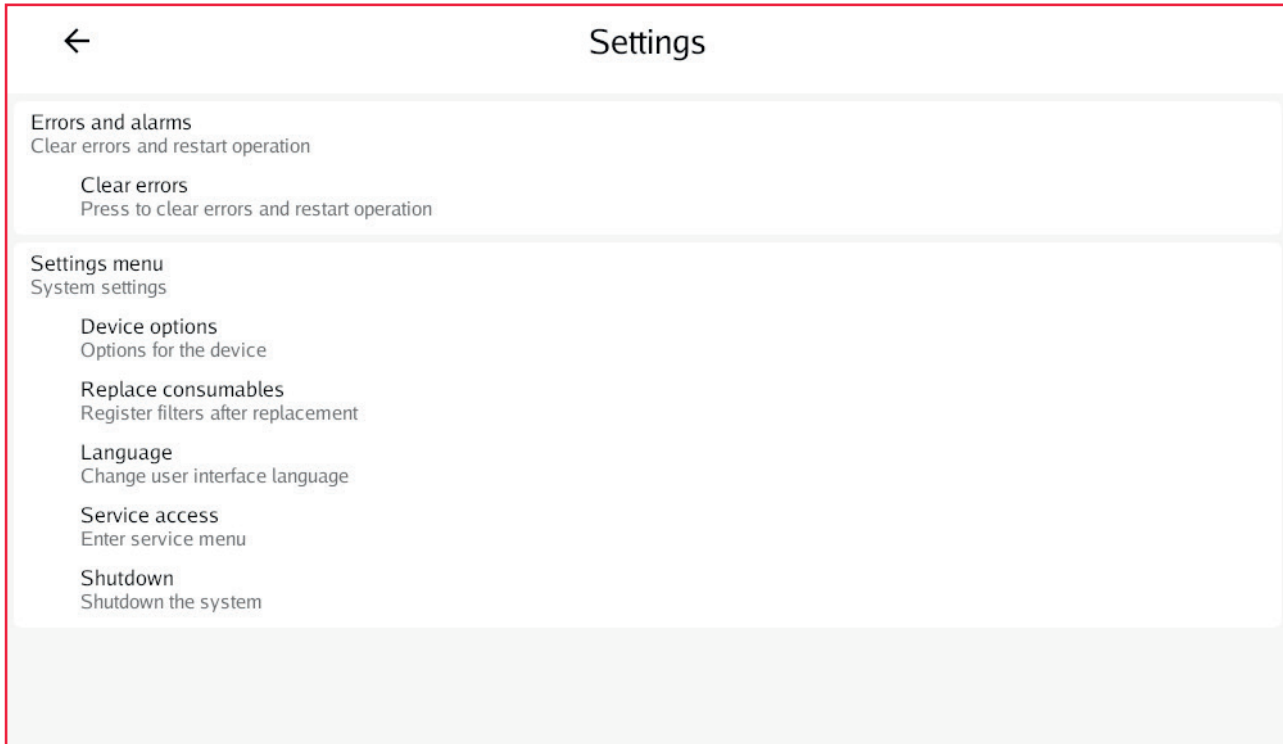


Features include:

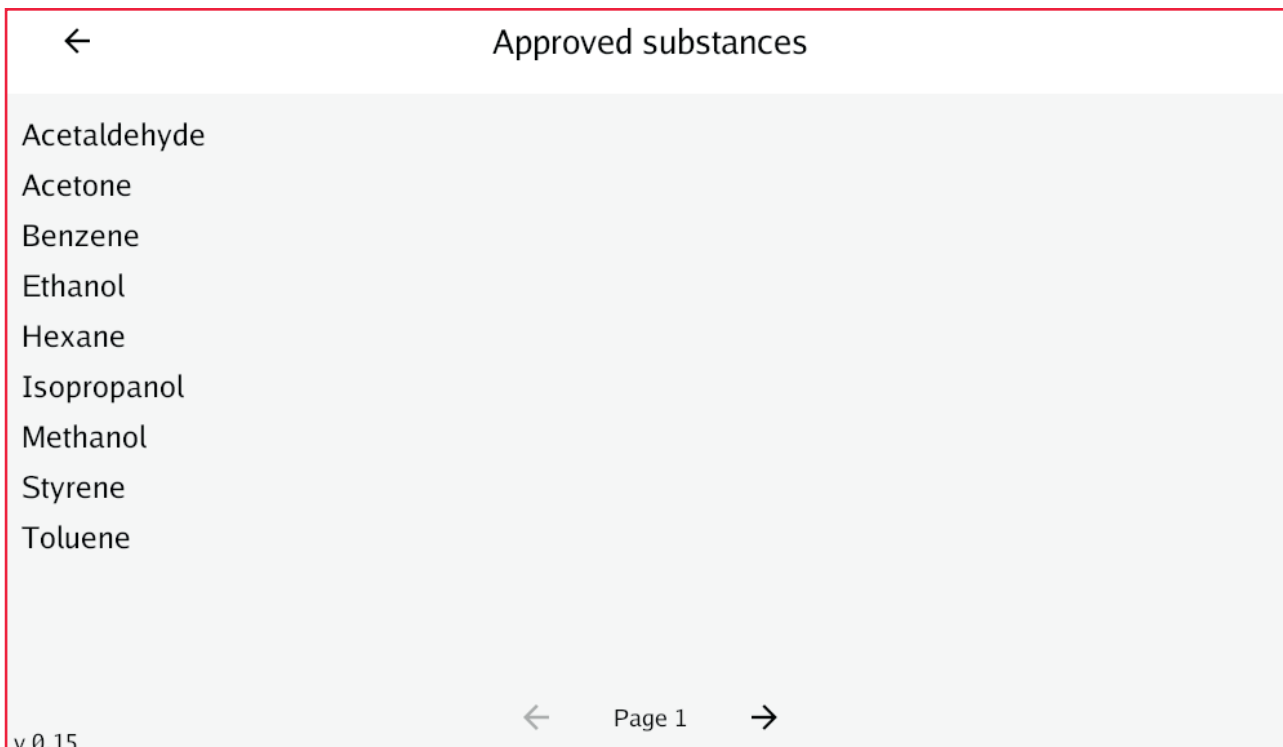
- Airflow monitoring: Optional – either percentage-based or controlled via an anemometer



- Filter saturation monitoring with visual warning



- Fan control via anemometer
- The list of chemicals defined and qualified by you can be found in the menu section



- Operating Hour Counter or Hour Meter
- Visual and acoustic alerts (optional: LED light band connection)
- Alarm system warns of airflow failure or irregularities
- Sensors: Anemometer, Temperature, Humidity
- Remote monitoring supported via Wi-Fi and standard interfaces

FILTRATION PERFORMANCE & SAFETY

- Designed to protect users from vapors, aerosols, and particles during lab work
- Available with activated carbon, HEPA, or custom filter combinations
- Six filter types available, combinable based on chemical usage
- Optional HEPA module enables performance comparable to safety cabinets
- Airflow rate: Up to 450 – 2100 m³/h depending on model size
- Air velocity at the front opening: 0.3–0.6 m/s
- Every device is tested before delivery.
- Calibration certificates are available upon request.

SMART FILTER MANAGEMENT

Filter replacement is quick, secure, and intuitive thanks to our integrated RFID technology, which ensures that only verified filter modules are used — delivering maximum safety for users and traceable maintenance cycles for your lab.

TECHNICAL DETAILS

- Power supply: 110–230 V AC/50 Hz
- Includes country-specific plug adapters
- Supplied without filters
- Optional accessories: Worktop and support frame

IN LINE WITH SAFETY STANDARDS

StellaAIR® is in line with major international standards for containment and filtration:

- ASHRAE 110:1995 (USA – containment)
- BS 7989:2001 (UK – filtration efficiency)



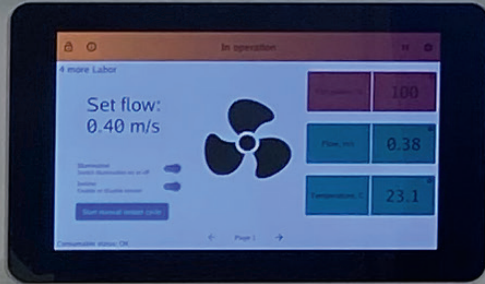
TECHNICAL PERFORMANCE DATA

Specification	StellaAIR® F780	StellaAIR® F900	StellaAIR® F1200	StellaAIR® F1500	StellaAIR® F1800
External dimensions (WxHxD)mm	780x1450x740 Overhang ceiling module +100mm	900x1450x740 Overhang ceiling module +100mm	1200x1450x740 Overhang ceiling module +100mm	1500x1450x740 Overhang ceiling module +100mm	1800x1450x740 Overhang ceiling module +100mm
Use Mass WxDxHmm	760x1100x650	880x1100x650	1180x1100x650	1480x1100x650	1780x1100x650
Table top	without	without	without	without	without
Substructure with worktop	optional	optional	optional	optional	optional
Castors with locking device	optional	optional	optional	optional	optional
Table top for table	HPL/Stainless steel/Stoneware	HPL/Stainless steel/Stoneware	HPL/Stainless steel/Stoneware	HPL/Stainless steel/Stoneware	HPL/Stainless steel/Stoneware
LED light	1500LUX	1500LUX	1500LUX	1500LUX	1500LUX
Connection	110-230V/50Hz	110-230V/50Hz	110-230V/50Hz	110-230V/50Hz	110-230V/50Hz
Cable entry left and right	standard	standard	standard	standard	standard
Sockets in the fume cupboard	optional	optional	optional	optional	optional
Fan modules series each 400m³/h	1	2	3	3	4
Filter Modules (selected according to qualification)	1-3	2-6	2-6	3-9	4-12
Available filter modules					
Activated Carbon Combo BU	1-2	2-4	2-4	3-6	4-8
Activated Carbon Acid+	1	2	2	3	4
Formaldehyde filter	1	2	2	3	4
Ammonia filter	1	2	2	3	4
HEPA-H14	1	2	2	3	4
HEPA-ULPA	1	2	2	3	4
Prefilter	1	2	2	3	4

Ordering information:

Please contact us for more information on the configuration of your model and alternative filter types, as well as other options such as mobile installation and service options.

We will help you to qualify and configure your **StellaAIR® filter fume cupboard** according to your requirements.



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