# Elevate Your Automation Experience

## Andrew+ Pod

Where cutting-edge technology meets unparalleled convenience.

## One solution.
## Multiple configurations.
## Tailored benefits.

Benefit from a hassle-free bench top solution that delivers effective sample or user protection while elevating your automation experience.

**Andrew+ Pod**  **Filtration add-ons**

**Protect your samples**

**Dust cover**

Fully enclosed or with onboard air ventilation

**Vertical Laminar Flow (VLF) with HEPA filtration**
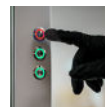- 99.995% of particles moved
- Airflow speed of .20 m/s

**or**

**Protect yourself**

**Safety interlock**

Prevents unwanted access to the workbench

**Recirculatory Filtration Fume Cabinet (RFFC) with ABEK filtration**
- Effective removal of harmful gases
- Can be positioned anywhere in the lab

### Clutter-free workspace

Space-efficient cable management system for a tidy and safe automation workspace.

### Easy, 3-step installation

Install the Andrew+ Pod & choosen filter, connect the Andrew+ Robot.

### Compact, benchtop

Full workbench of 11 consumable holders and devices. Minimal footprint.
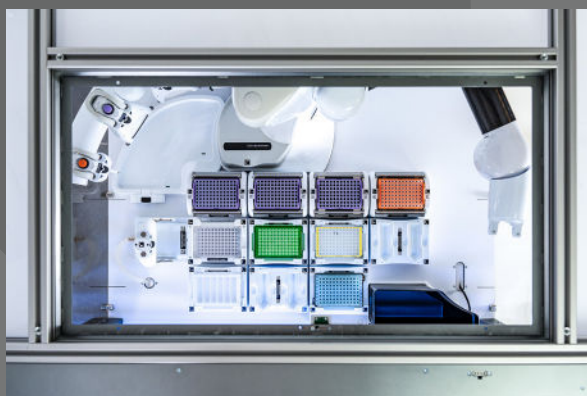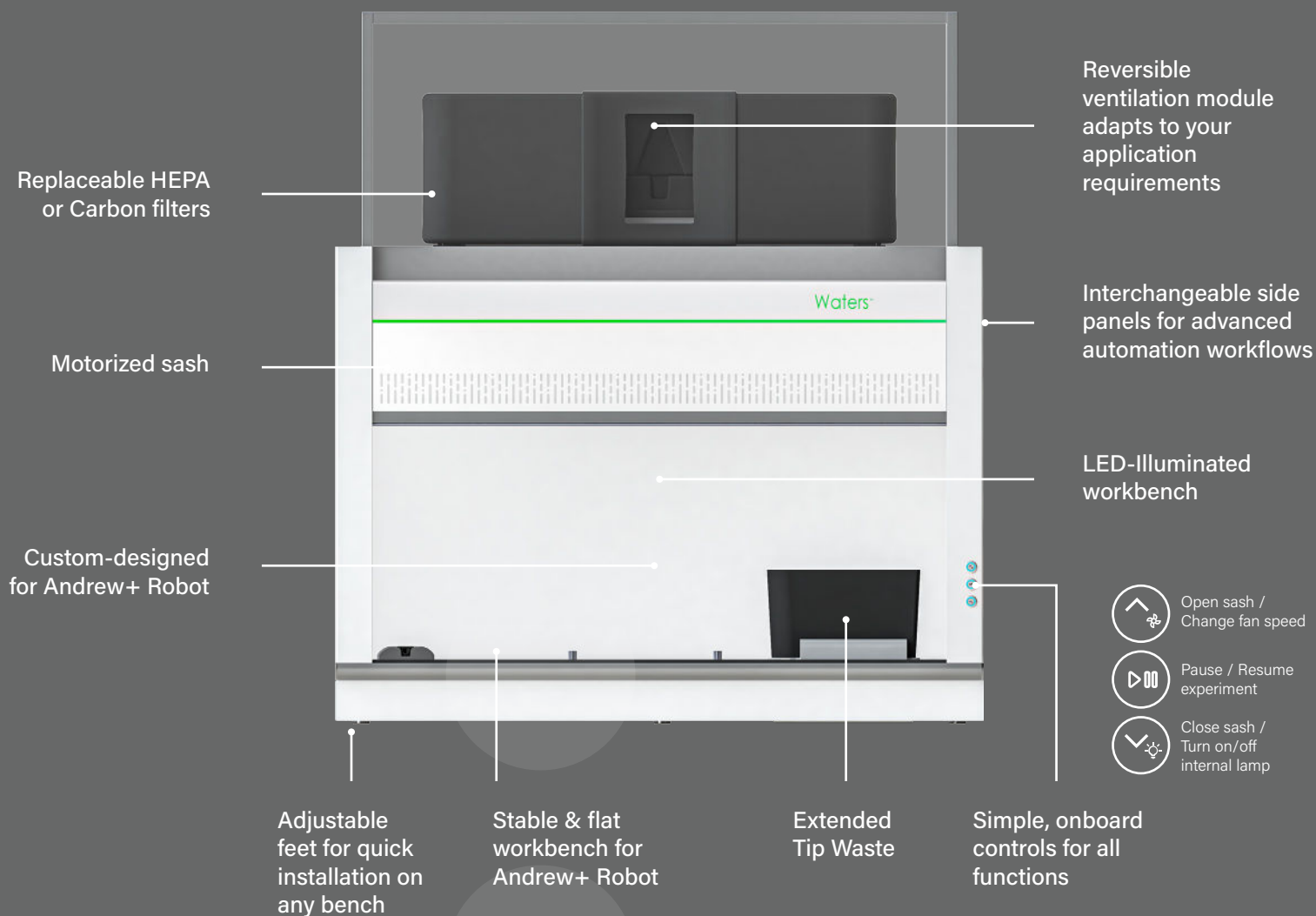
### Efficient sample or user protection

Ventilation conditions optimized and validated by a 3rd Party for all configurations.

### Improved traceability

Monitor and log environmental parameters like temperature and VOC levels directly through OneLab™.

# Andrew+ Pod Feature Summary

Replaceable HEPA or Carbon filters

Motorized sash

Custom-designed for Andrew+ Robot

Reversible ventilation module adapts to your application requirements

Interchangeable side panels for advanced automation workflows

LED-Illuminated workbench

Adjustable feet for quick installation on any bench

Stable & flat workbench for Andrew+ Robot

Extended Tip Waste

Simple, onboard controls for all functions

Open sash / Change fan speed

Pause / Resume experiment

Close sash / Turn on/off internal lamp

## No compromises.

Andrew+ Pod enables a full automation deck - on any standard bench.

## End to end workflows. Simplified.

Maintain an enclosed automation environment while expanding functionality.

# Technical Specifications

| | |
|---|---|
| Warranty | 1 Year |
| Fan noise level (at max speed of 2000 rpm) | 56 dB(A) at 1 m |
| Minimal Benchtop Dimensions Required (cm) | 106 (width) x 57 (depth) |
| Dimensions (cm) W x D x H | 112 x 81 x 82.8 (max height of 139.8 w/ sash open) |
| Weight of Andrew+ Pod | 44 Kg |
| Weight of Onboard Ventilation System | 5.8 Kg |
| External Power Supply Input Characteristics | Power Supply Voltage Range: 85–264 VAC AC current: 1.85 A/115 VAC 1.0A/230 VAC Frequency: 47–63 Hz |
| Operating Temperature | +4º to +37ºC |
| Operating Humidity | Maximum relative humidity of 80% for temperatures up to 31ºC |
| Interface | CAN bus directly connected to waste Domino of Andrew+ Robot |
| Degree of Protection | IP 20 |

| Vertical Laminar Flow w/ HEPA Filtration | |
|---|---|
| HEPA - H14 Filter Efficiency | Removes 99.995% of particles ≥ 0.3 µm |
| Average Airflow speed (Vertical Laminar Flow) | 0.20 m/s |
| Filter Lifetime (HEPA) | 1–3 years depending on usage |
| ISO 14644-1 Rating | ISO Class 5 |

| Harmful Gas Removal w/ ABEK Filter | |
|---|---|
| Enclosure Classification | Recirculatory Filtration Fume Cabinet (RFFC) |
| ISO standard | ISO 14175-3 |
| Containment Performance | CP2, 3rd-Party tested by SKAN AG |

# Ordering Information

| Configuration | Primary Functions | Components | What's in the Box | Part Numbers | Bundle Part Number |
|---|---|---|---|---|---|
| Andrew+ Pod | Compact, bench top enclosure with:<br>• Optimized cable management<br>• Hardware interlock for user and method safety<br>• Dust protection<br>• Interchangeable side-panel access<br>• Deeper, more accessible tip waste |  | Andrew+ Pod (no waste) | 186011428 | 176005998 |
| | | | Tip Waste for Pod & Bench Hub | 186011366 | |
| | | | Tip Waste Holder | 186011367 | |
| Andrew+ Pod w/ Onboard Ventilation Module | All Andrew+ Pod functions<br>+<br>Active temperature management for heat-sensitive experiments |  | Andrew+ Pod | 176005998 | 176006021 |
| | | | Ventilation System & Cover | 186011429 | |
| | | | Pre-Filter Module | 186011431 | |
| Andrew+ Pod Vertical Laminar Flow Enclosure w/ HEPA Filter | All Andrew+ Pod functions<br>+<br>HEPA Filtration with Vertical Laminar Flow |  | Andrew+ Pod | 176005998 | 176006022 |
| | | | Ventilation System & Cover | 186011429 | |
| | | | HEPA H14 Filter | 186011433 | |
| | | | Pre-Filter Module | 186011431 | |
| Andrew+ Pod Recirculatory Filtration Fume Cabinet w/ ABEK Filter | All Andrew+ Pod functions<br>+<br>Onboard (ductless) harmful gas removal that can be positioned anywhere |  | Andrew+ Pod | 176005998 | 176006023 |
| | | | Ventilation System & Cover | 186011429 | |
| | | | ABEK Filter | 186011435 | |
| | | | Pre-Filter Module | 186011431 | |
| Andrew+ Pod w/ External Duct Adaptor Module | All Andrew+ Pod functions<br>+<br>Enables physical connectivity to existing lab air filtration infrastructure |  | Andrew+ Pod | 176005998 | 176006020 |
| | | | Duct Adaptor | 186011432 | |
| | | | Pre-Filter Module | 186011431 | |

# Additional Parts

| | |
|---|---|
| HEPA H14 Filter | 186011433 |
| ABEK Filter | 186011435 |
| Pre-Filter Replacement | 186011434 |
| Automation Portal+ Side Panel | 186011436 |
| Plate Sealer+ Side Panel | 186011437 |