

NEW!



ESCO
Airstream®•PURE



Airstream® PURE

Air Purifier

Intuitive Technology for Better Air Quality



Welcome to Esco

Esco's Vision is to provide enabling technologies for scientific discoveries to make human lives healthier and safer.

The Esco Lifesciences Group is committed to deliver innovative solutions for the clinical, life sciences, research, industrial, laboratory, pharmaceutical, and IVF community. With the most extensive product line in the industry, Esco have passed a number of international standards and certifications. Esco represents innovation and forward-thinking designs, that are of the highest standard quality since 1978.

Availability and Accessibility. Esco has headquarters in Singapore, Indonesia, and Philippines, with manufacturing facilities are located in Asia and Europe. Research and Development (R&D) is conducted worldwide spanning the US, Europe and Asia. Sales, services and marketing subsidiaries are located in 42 major markets including US, UK, Japan, China and India. Esco regional distribution centers are located in Singapore, Malaysia, Thailand, Vietnam, Myanmar, Indonesia, Philippines, Bangladesh, Hong Kong, Taiwan, South Korea, China, Japan, India, UAE, Central and South Africa, Denmark, Germany, Italy, Lithuania, Russia, United Kingdom, and USA. Because of our worldwide presence, you can be sure that Esco is within your reach.

High Quality, Reliable, and Dependable. Esco products are of high quality, reliable, and dependable; assuring customers of research accuracy. Cross functional teams from Esco Production, R&D, Quality Assurance, and Senior Management, are regularly assembled to review and implement areas for improvement.

Esco Cares for Your Safety. Esco focuses on providing safety not just for your samples but also for you and the environment.

Esco Cares for Your Comfort. Building ergonomic designs and reducing noise levels of the units ensures comfort for our users.

Esco Cares for the Environment. One in every four of Esco's employees is involved in R&D and a number of them evaluate new components and/or designs to produce energy efficient equipment. Being GREEN is more than just modifying parts used to produce a new energy efficient technology, it is also embodied in the every aspect of the company.

Customer Service and Support. Our service does not stop once purchase has been done. Esco gives on-time customer service and offers end-user seminars, service training, preventive maintenance, and provides educational materials and informative videos.

As Esco takes the opportunity to respond to the world's needs, we aim not only to contribute in the advancement of scientific discoveries but also in making the world a safer, healthier, and better place to live in.

Products and Application

Laboratory Equipment

Sample Handling and Preparation

- Class I Biological Safety Cabinets
- Class II Biological Safety Cabinets
- Class II Type A2 Biological Safety Cabinets
- Class II Type B1 Biological Safety Cabinets
- Class II Type B2 Biological Safety Cabinets
- Class III Biological Safety Cabinets
- Horizontal Laminar Flow Cabinets
- Vertical Laminar Flow Cabinets
- Laboratory Animal Research Workstations
- Laboratory Centrifuges

Sample Cultivation

- CO₂ Incubators, Direct Heat Air-Jacketed
- CO₂ Incubators with Cooling System
- CO₂ Incubators with High Heat Sterilization
- Laboratory Shakers

Amplification and Detection

- Conventional Thermal Cyclers
- Microplate Shakers
- PCR Cabinets

Sample Storage & Sample Protection Solutions

- Ultra-low Temperature Freezers
- Lab Refrigerators and Freezers
- Sample Database Management Software
- Intelligent Remote Monitoring Application Protocol
- Remote Monitoring, Datalogging, Programming Software
- Wireless Monitoring System

Chemical Research

- Ducted Fume Hoods
- Ductless Fume Hoods
- Filtered Storage Cabinets
- Powder Weighing Balance Enclosure
- Exhaust Blowers
- Fume Hood Airflow Monitor

General Equipment

Laboratory Thermostatic Products

- Forced Convection Laboratory Oven
- Forced Convection Laboratory Incubator
- Natural Convection Laboratory Incubator
- Refrigerated Laboratory Incubator

Medical / IVF Equipment

Controlled Embryo Handling

- Esco Multi-Zone ART Workstation
- Esco Multi-Zone ART Workstation Class II
- AVT Anti-Vibration Table
- Semi-Closed Environment (SCE) IVF

Safe Embryo Culture

- MIRI® Multiroom Incubator
- MIRI® II Multiroom Incubator
- Mini MIRI® Humidified Incubator
- Mini MIRI® Dry Incubator
- CelCulture® CO₂ Incubator

Innovative Time-Lapse Imaging

- MIRI® Time-Lapse Incubator

Accurate Quality Control

- MIRI® GA Gas and Temperature Validation Unit

Unique Consumables

- CultureCoin®

Healthcare

Esco Pharma Products

Airflow Containment

- BioBooth™
- Ceiling Laminar Airflow (CLAF)
- Cytoculture® Cytotoxic Safety Cabinet
- Pharmacon™ Downflow Booth
- Esco Garment Storage Cabinet
- Esco Glassware Hoods
- Laminar Flow Horizontal/Vertical Trolley (LFH/VT)
- Laminar Flow Straddle Units
- Evidence Drying Cabinet

Isolation Containment

- Advanced Processing Platform Isolator (APPI)
- Aseptic Containment Isolator (ACTI)
- Blood Cell Labelling Isolator
- Streamline® Closed Restricted Access Barrier System (SLC-RABS)
- Containment Barrier Isolator (CBI)
 - CBI-Unidirectional (CBI-U)
 - CBI-Turbulent (CBI-T)
 - CBI-Class III Biosafety Cabinet (CBI-III)
 - CBI-Convertible Class III/Class I Biosafety Cabinet (CBI-H)
- Isoclean® Healthcare Platform Isolator (HPI)
 - HPI-G3-Without Filter Below Work Zone
 - HPI-G3-With Filter Below Work Zone
 - HPI-Inflatable Seal (HPI-IS)
- General Processing Platform Isolator
 - GPPI-Inflatable Seal (GPPI-IS)
 - GPPI-Static Seal (GPPI-SS)
- Streamline® Compounding Isolator
 - SCI - Isolator Configuration
 - SCI - Class III Biosafety Cabinet (SCI-III)
- Technetium Dispensing Isolator
- Turbulent Flow Aseptic Isolator (TFAI)
- Weighing and Dispensing Containment Isolator (WDCI)

Cross Contamination Facility Integrated Barrier

- BioPass™ Pass Through
- Cleanroom Air Showers
- Dynamic Pass Boxes/ Dynamic Floor Laminar Hatches
- Infinity® Air Shower Pass Box
- Esco Sputum Booth
- Infinity® Pass Boxes
- Infinity® Cleanroom Transfer Hatch
- Soft Capsule® Soft Wall Cleanroom

Ventilation Containment

- Ventilated Balance Enclosure

Esco VacciXcell Products

Bioreactors and Fermenters

- CelXrocker™
- CelCradle™
- CelShaker™
- CelCradle™ X
- CelCradle Semi-Automated Harvesting System™ (CCX-SAH)
- BioXcell™
- StirCradle™
- StirCradle™ PRO
- TideXcell™
- TideXcell™ Harvesting System (TXLHS)
- VXL™ Hybrid Bioreactor

Cell Culture Monitoring, Media and Consumables

- Super Plus™
- Plus™ Vero
- Plus™ MDCK
- Plus™ MDCK II
- BioNOC™ II macrocarriers
- GlucCell™ Glucose Monitoring System
- CVD Kit

Filling Line Equipment

- Filling Line Isolators
- cRabs (close restricted access barriers)
- oRabs (open restricted access barriers)

Integrated Solutions

- Cell Processing Isolator
- Cell Processing Center

Esco TaPestle Rx Products

Pharmacy Compounding Solutions

- Compounding Pharmacy Isolators (SCI, HPI, CBI, GPPI)
- Safety Cabinets and Enclosures (CYT, Class II BSC, VBE, LFC)
- Aseptic Filling Systems

Radiopharmacy Equipment Solutions

- Radioisotope Fume Hood
- Lead-lined Biosafety Cabinet
- Technetium Dispensing Isolator
- Blood Cell Labeling Isolator
- GMP-compliant Radioisotope Dispensing Isolator

Esco Airstream® PURE Air Purifier Series

INTRODUCTION

Pollens, volatile organic compounds, dust, and mold spores that are suspended in the air often cause respiratory problems and allergies. Removal of these pollutants promotes a healthy living environment and reduces related health problems. Esco Airstream PURE Air Purifier provides cleaner air by removing common indoor pollutants through its 6-layered filtration system. It delivers rapid air purification and removal of unwanted odors. With its sleek design, it can easily be placed at any part of your office, laboratory, auditorium, and etc.—indeed a healthy addition to any room.

FEATURES:

SMART MODE



Wind speed gears are automatically adjusted based on the detected indoor air quality.



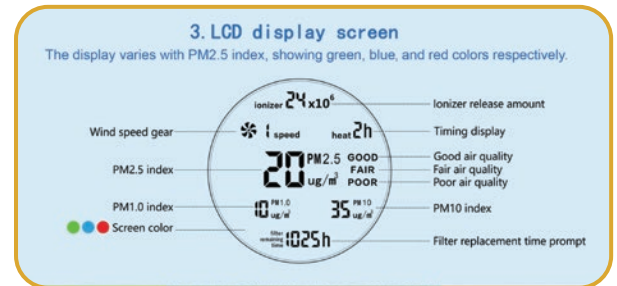
DUAL CONTROL SYSTEM

Unit may be operated through:

- Remote control
- Control panel



COLOR-CODED LCD SCREEN

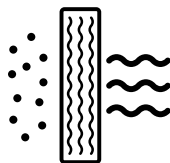


- Shows the purifier's basic functions and parameters
- Color coded screen to easily identify the status of air quality



4 WIND SPEED MODES

- Sleep mode
- Comfortable wind speed
- Medium wind speed
- Strong wind speed



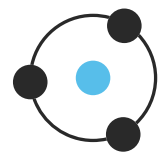
6 LAYERS FILTRATION

Effectively filters and removes pollens, germs, dust, and eliminates smoke and odor



12cm THICKNESS

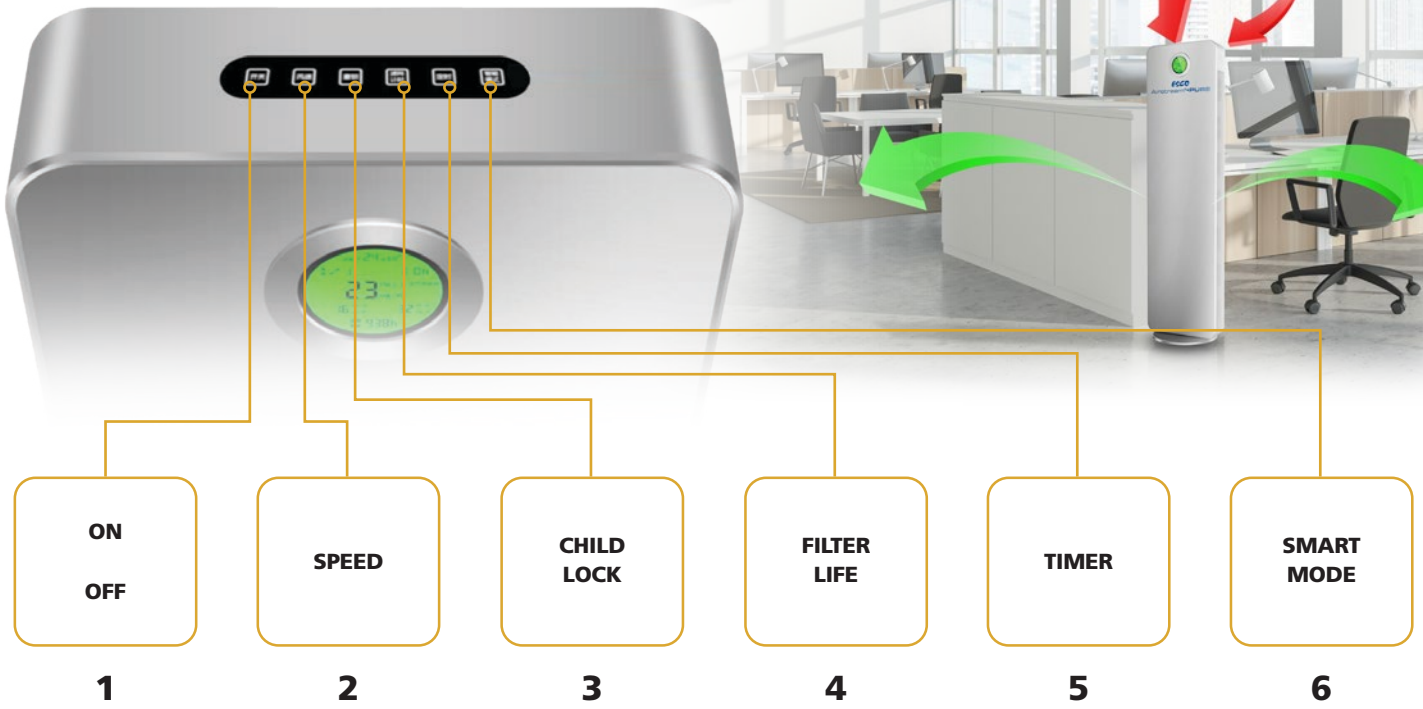
Simple, sleek design that can fit anywhere



3M NEGATIVE IONS GENERATED

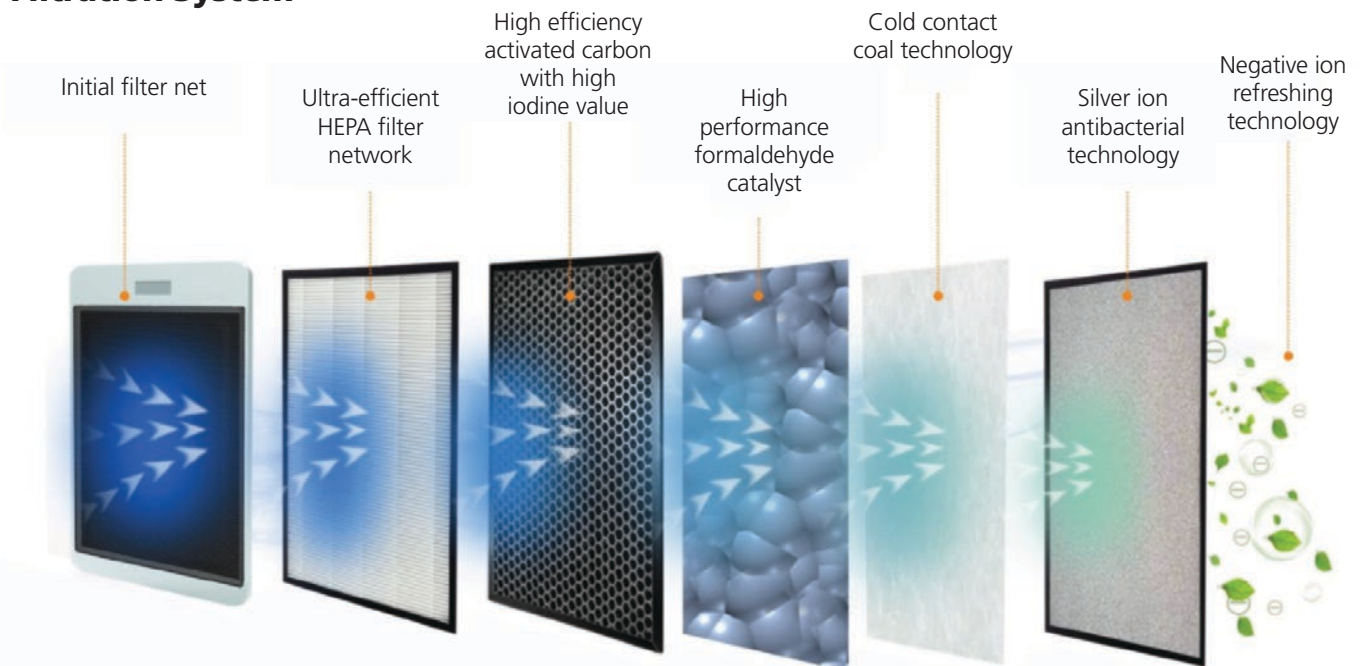
Helps purify and sterilize the room for cleaner air

Control System



- 1. **Power button** - turns the unit on and off
- 2. **Speed button** - controls the speed and mode of the fan
- 3. **Child lock** - prevents unwanted operation
- 4. **Filter life** - estimates the filter life and alarms when filters need to be replaced
- 5. **Timer** - sets up operation time
- 6. **Smart mode** - detects air quality through sensor and adjusts wind speed automatically

Filtration System



Air Purifier Diagram



- | | |
|-------------------|-----------------------------------|
| 1. Control System | 7. UV Light |
| 2. Handles | 8. Mainboard coolers |
| 3. LCD Screen | 9. Main Frame |
| 4. Front Panel | 10. Six-layered Filtration System |
| 5. Air Outlets | 11. Back Net Handle |
| 6. Base | 12. Rear Screen |

ADVANTAGES:

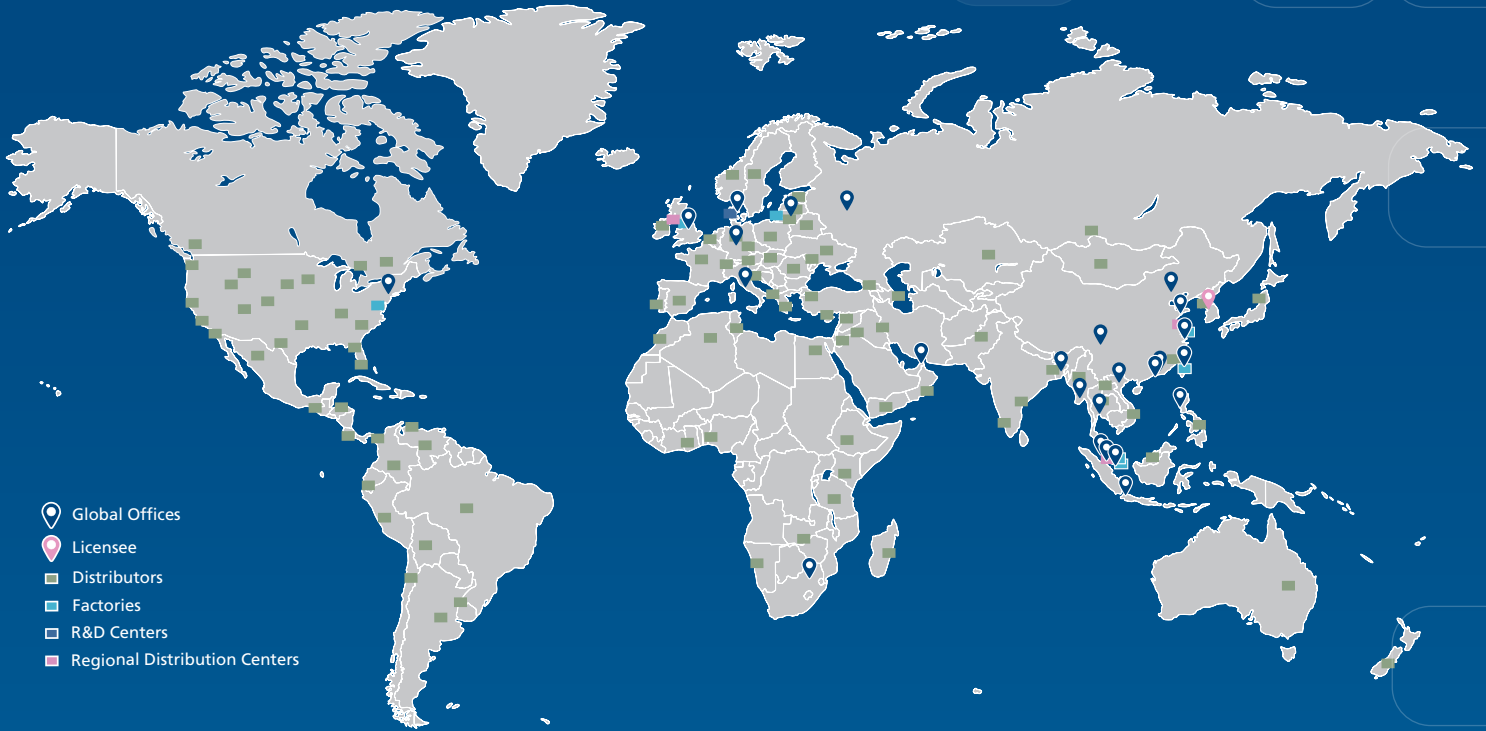
- Suitable for office, workplace, and area up to 275 m²
- 12V / 8W Brushless DC Motor provides low energy consumption and quiet operation
- Multiple Fan System ensures air is evenly distributed and allows maximum absorption
- HEPA Filter efficiently removes air particles, dust, and germs
- Carbon Filter is used for the removal of unpleasant odors and toxic fumes

TECHNICAL SPECIFICATIONS		
Model	AP-1300	
Dimensions (W x D x H)	430 x 127 x 1610 mm	
Clean Air Delivery Rate (CADR)	Solid Pollutant	1300 cmh
	Gaseous Pollutant	325 cmh
Cumulate Clean Mass (CCM)	Solid Pollutant	More than 12000 P4
	Gaseous Pollutant	More than 1500 F4
Air outlet	14 fans	
Air inlet	Large area of Metal Mesh	
Input Power	125 W	
UV Lamp	2W, 253.7 nm	
Motor Specification	12 V / 8 W DC Brushless motor	
Dust Sensor	Laser, CP-15-A4-CG	
Standby Power	Less than 1W	
Net Weight	22 kg	



ESCO LIFESCIENCES GROUP

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- 📍 Distributors
- 📍 Factories
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- 📍 Regional Distribution Centers

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