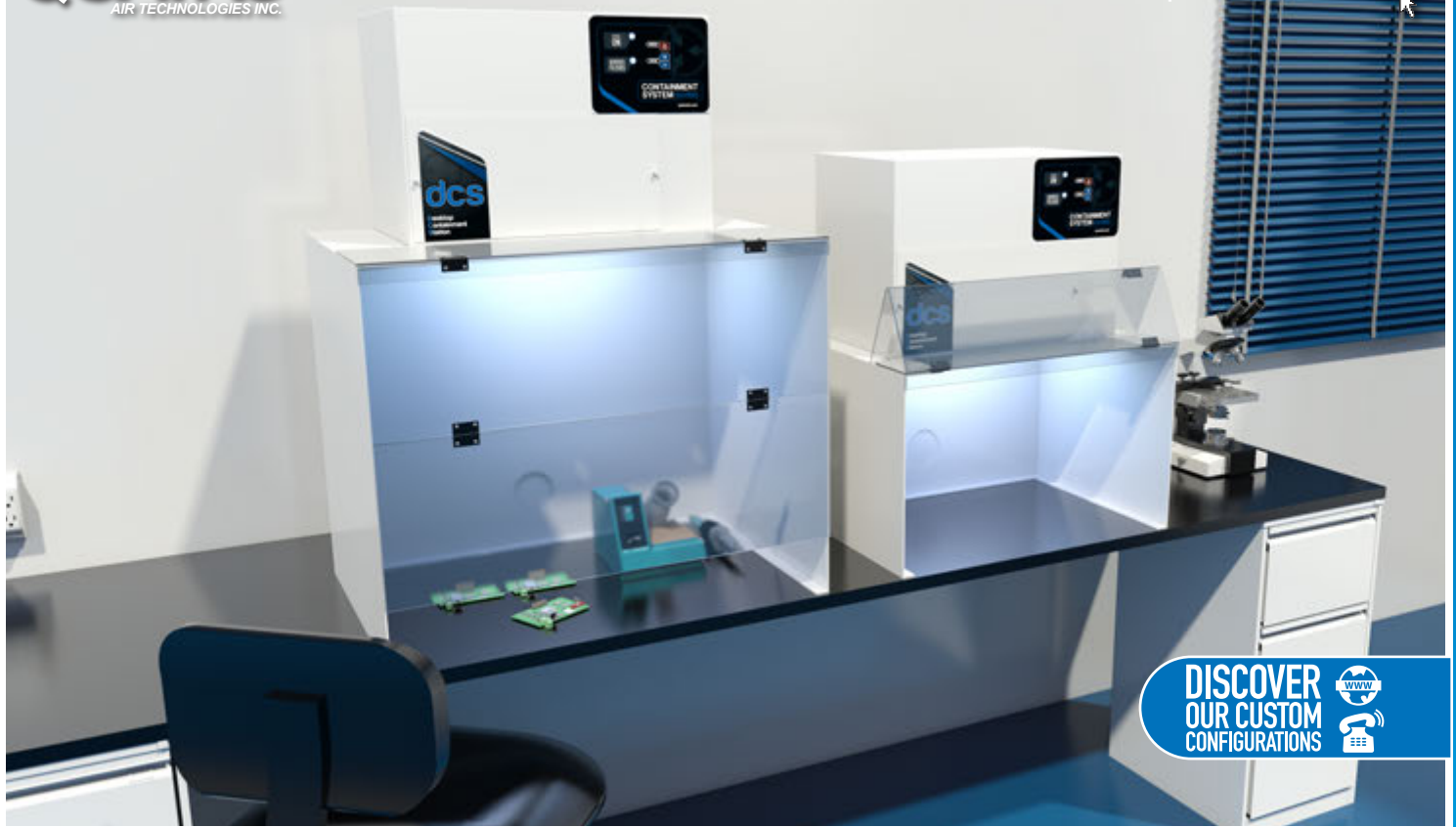


# SOLDER FUME EXTRACTION

## FUME EXTRACTION AND FILTRATION SOLUTIONS FOR SOLDERING APPLICATIONS

Solder and Waxing Fumes · Conformal Coating Vapors  
Reflow Oven Exhaust · Wave Soldering Exhaust  
Dedrossing · Solvent Vapors · Laser Cutting & Marking





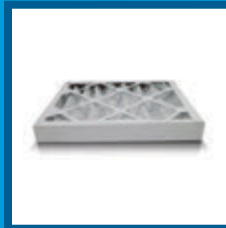
# DESKTOP CONTAINMENT SYSTEM

IDEAL FOR SINGLE STATION FILTRATION OF SOLDER FUMES WITH DUCT WORK

- Protects operators from harmful chemicals, vapors and particulates
- Illuminated interior provides a clear and bright work environment
- Quiet operation, digital control panel with audible and visual alarms
- Standard filter sequence: pre-filter, chemical filter and HEPA filter
- Custom filter sequences available for custom applications
- Adjustable hinged acrylic front door allows for great visibility

Air Flow: 510 m<sup>3</sup>/h / 300 CFM  
 Voltage: 120V or 230V  
 Dimensions: 24"W x 18"D x 29"H / 610mm x 458mm x 737mm  
 29"W x 20"D x 39"H / 737mm x 508mm x 990mm  
 Filters: Pleated pre-filter, 30% ASHRAE rated (F071)  
 2" Medical grade HEPA filter 99.97% (F074)  
 2" Chemical filter (F072-GPC)  
 Discharge: Recirculation grille  
 Optional 3" or 4" collars for venting to the exterior  
 Sound Level: 62 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms

## FILTERS



F071  
Pleated Pre-filter



F074  
Medical Grade HEPA



F072-GPC  
Chemical Filter



DISCOVER  
OUR CUSTOM  
CONFIGURATIONS

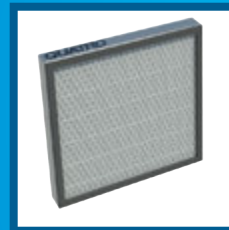
# BASIC

COMPACT, PORTABLE SOLDER FUME EXTRACTOR

- Small foot-print for tight spaces
- High speed turbine provides efficient debris removal
- Easily disposable Bag Filter
- Includes HEPA Filter
- Ultra quiet, 51dBA (measured at 6ft)
- Ideal for 1/2" - 3/4" tubing (with optional H562 adapter)

Air Flow: 240 m<sup>3</sup>/h / 141 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 1.1 kW High Speed Turbine, CSA/UL approved  
 Voltage: 120V or 230V  
 Dimensions: 7"W x 16"D x 9.75"H / 178mm x 407mm x 248mm  
 Filter Sequence: HEPA Filter 99.97%  
                     Bag filter  
 Options: Carbon Filter  
 Inlets: 1.5" Standard; Adapter for 1/2" tubing  
 Discharge: Recirculation grille  
 Sound Level: 56 dBA at full speed  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps

## FILTERS



HEPA Filter (F220)



AG140

## OPTIONAL FILTER



F228 Chemical Filter

AA005 Flexible Arm



DISCOVER  
OUR CUSTOM  
CONFIGURATIONS



# SPB100-Mini

LOW PROFILE, LIGHT DUTY SOLDER FUME EXTRACTOR

## STANDARD FILTERS

- Low-profile, light duty solder fume extractor
- Certified HEPA filter (99.97% efficient @ 0.3  $\mu\text{m}$ )
- Built in whisper quiet features
- Resettable circuit breaker protection
- Digital i-Series control panel: variable speed control, visual status indicators and audible alarms for filter status
- Manual on/off switch



F264 HEPA Filter



AG246 Carbon Wrap

Air Flow: 170 m<sup>3</sup>/h / 100 CFM  
Motor(s): 40W Turbine  
Voltage: 120V / 60 Hz / 1A  
Dimensions: 9"W x 9"D x 19"H / 230mm x 230mm x 483mm  
Options: Foot pedal switch, remote switch, source capture arm  
Inlets: 3"  
Discharge: Recirculation grille  
Suction hose: 6 feet (2m) of heavy duty hose & clamps



AA005 Flexible Arm



Left to right: SPH-Mini, SPH400 (size reference) and SPH-Mini with optional AA005 capture arm

# SPH-Mini

LOW PROFILE, LIGHT DUTY SOLDER FUME EXTRACTOR

- Low-profile, light duty solder fume extractor
- Multiple filter arrangement allows for disposable bag, HEPA cartridge and gas phase filter
- Built in whisper quiet features
- Custom chemical filters can be incorporated to deal with specific gas phase contaminants
- Optional digital control panel

## STANDARD FILTER



AG162 All-In-One

## OPTIONAL FILTERS



F229 Chemical Filter



F230 HEPA Filter



AG140 Bag Filter

Air Flow: 240 m<sup>3</sup>/h / 141 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 1 kW High Speed Turbine, CSA/UL approved  
 Voltage: 120V or 230V  
 Dimensions: 9"W x 9"D x 19"H / 230mm x 230mm x 483mm  
 Filter Sequence: All-in-one disposable cardbox filter (AG162) containing:  
 Multi-layered inlet filter pad  
 HEPA Filler 99.97%  
 General purpose chemical filter

Options: Bag filter; Source capture arms; Digital control panel  
 Inlets: 1,5" Standard; 3" Optional  
 Discharge: Recirculation grille  
 Sound Level: 56 dBA at full speed  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps



3087792  
 CONFORMS TO:  
 US UL STD 507  
 CERTIFIED TO:  
 CSA STD C22.2 NO 113



AA005 Flexible Arm



Dual-workstation configuration with optional capture arms:  
AA005 (left, unit mount) and AA062 (right, table mount)



**DISCOVER  
OUR CUSTOM  
CONFIGURATIONS**

# SolderPure

SOLDER FUME EXTRACTOR FOR SMALL OPERATIONS

- Ideal for low debris generating applications
- Medium pressure motorized brushless impeller
- Enhanced mobility with heavy duty lockable casters
- Multi-stage filtration system: pre-filter, HEPA and chemical filter
- Whisper quiet operation
- Optional digital control panel

Air Flow: 510 m<sup>3</sup>/h / 300 CFM  
 Motor(s): Motorized impellers, backward inclined, non-overloading  
 Voltage: 120V or 230V  
 Dimensions: 13"W x 16"D x 20"H / 330mm x 406mm x 508mm  
 Filter Sequence: 2" Pleated pre-filter, 30% ASHRAE (F071)  
 2" Medical grade HEPA Filter 99.97% (F074)  
 2" Chemical filter (F072-GPC)  
 Optional Inlets: 3", 4" or dual 3" diameter  
 Discharge: Recirculation grille  
 Sound Level: 54 dBA at full speed  
 Remote Control: Optional  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps

## FILTERS



F071  
Pleated Pre-filter



F074  
Medical Grade HEPA



F072-GPC  
Chemical Filter

AA005 Flexible Arm



DISCOVER  
OUR CUSTOM  
CONFIGURATIONS



Right: SolderPure HC/HD Fume Extractor with optional source capture arm AA005

# SolderPure HC / HD / HP

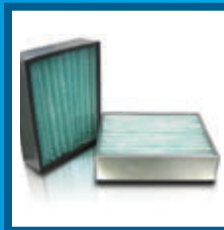
EXTENDED CAPACITY SOLDER FUME EXTRACTOR

- Ideal for low debris generating applications
- Medium pressure motorized brushless impeller
- Enhanced mobility with lockable casters
- Multi-stage filtration system
- Whisper quiet operation
- Optional digital control panel

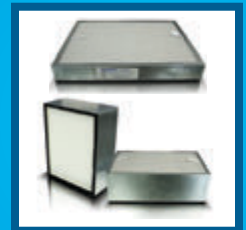
## FILTERS



F071  
Pleated Pre-filter



F164 (4"), F173 (6")  
High Capacity Filters



F074 (2"), F075 (6")  
Medical Grade HEPA Filters

Air Flow: 510 m<sup>3</sup>/h / 300 CFM  
 Motor(s): Motorized impellers, backward inclined  
 Voltage: 120V or 230V  
 Dimensions: 13"W x 16"D x 27.5"H / 330mm x 406mm x 699mm  
 Filtration: High capacity pleated pre-filter; 30% ASHRAE  
 Medical grade HEPA Filter 99.97%  
 Chemical filter  
 Optional Inlets: 3" or 4" diameter  
 Discharge: Recirculation grille  
 Sound Level: 54 dBA at full speed  
 Remote Control: Optional  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps

SolderPure HC	SolderPure HD	SolderPure HP
Gas/Odor AND Particles/Dust	Heavy Gas/Odor ONLY	Dust/Particles ONLY
F164	F071	F173
F072-GPC	F077-GPC	F075
F075	F075	

AVAILABLE FILTER CONFIGURATIONS



F072-GPC (2"), F077-GPC (6")  
Chemical Filters



**DISCOVER  
OUR CUSTOM  
CONFIGURATIONS**



# SolderPure 560U

SPACE-SAVING WALL MOUNTED SOLDER FUME EXTRACTOR

- Ideal for low debris generating applications
- Medium pressure motorized brushless impeller
- Enhanced mobility with heavy duty lockable casters
- Multi-stage filtration system: pre-filter, HEPA and chemical filter
- Whisper quiet operation
- Optional digital control panel

Air Flow: 510 m<sup>3</sup>/h / 300 CFM  
Motor(s): Motorized impellers, backward inclined, non-overloading  
Voltage: 120V or 230V  
Dimensions: 13"W x 16"D x 20"H / 330mm x 406mm x 508mm  
Filter Sequence: 2" Pleated pre-filter, 30% ASHRAE (F071)  
2" Medical grade HEPA Filter 99.97% (F074)  
2" Chemical filter (F072-GPC)  
Optional Inlets: 3", 4" or dual 3" diameter  
Discharge: Recirculation grille  
Sound Level: 54 dBA at full speed  
Remote Control: Optional

## FILTERS



F071  
Pleated Pre-filter



F074  
Medical Grade HEPA



F072-GPC  
Chemical Filter



# SPH400

SOLDER FUME EXTRACTOR  
FOR HEAVY AND MEDIUM DUTY  
APPLICATIONS

DISCOVER  
OUR CUSTOM  
CONFIGURATIONS



1.800.626.0664,  
airpurifiers-r-us.com



**SPH400 with 6 soldering stations**

Multi-station configuration  
with optional capture arms:  
A127 (left) and A172 (right, table mount)

- Our most popular model for heavy and medium duty applications
- Multi-stage filtration system: pre-filter, HEPA and chemical filter
- LaserBlue gel seal guarantees ZERO FILTER BYPASS
- Dual high speed turbine for high suction, pressure and airflow
- Enhanced mobility with heavy duty lockable casters
- Whisper quiet operation
- Digital control panel
- Also available: brushless units and custom filter configurations

## FILTERS



AG168  
Knock-out Pad



F074  
Medical Grade HEPA



F071  
Pleated Pre-filter



AG097  
Chemical Filter

Air Flow: 0-482 m<sup>3</sup>/h / 0-280 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 2 X 1.0 kW High Speed Turbine  
 Voltage: 120V or 230V  
 Dimensions: 12"W x 15"D x 24"H / 304mm x 381mm x 762mm  
 Filter Sequence: Multi layered knock-out pad (F166-125)  
 Pleated pre-filter, 30% ASHRAE rated (F071)  
 2" Medical grade HEPA filter 99.97% (F074)  
 8" Chemical filter (AG097)  
 Optional Inlets: 2", 3", 4", dual 3", or dual 2"  
 Discharge: Recirculation grille (standard) or optional 3" or 4" side collars  
 Sound Level: 62 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps



3087792  
CONFORMS TO:  
US UL STD 507  
CERTIFIED TO:  
CSA STD C22.2 NO 113





Space saving · Easy access to filters



Available with top inlet plate (left) or side inlet plate (right)



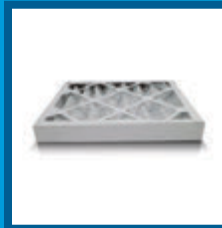
# SPH400FA

## FRONT ACCESS SOLDER FUME EXTRACTOR

- **Front door access for simplified filter maintenance**
- **Designed for heavy and medium duty applications**
- **Multi-stage filtration system: pre-filter, HEPA and chemical filter**
- **LaserBlue gel seal guarantees ZERO FILTER BYPASS**
- **Dual high speed turbine for high suction, pressure and airflow**
- **Whisper quiet operation**
- **Also available: brushless units and custom filter configurations**

Air Flow: 0-482 m<sup>3</sup>/h / 0-280 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 2 X 1.0 kW High Speed Turbine  
 Voltage: 120V or 230V  
 Dimensions: 12"W x 15"D x 24"H / 304mm x 381mm x 762mm  
 Filter Sequence: Pleated pre-filter, 30% ASHRAE rated (F071)  
 2" Medical grade HEPA filter 99.97% (F074)  
 8" Chemical filter, 40 lbs / 18kg (AG097)  
 Optional Inlets: 2", 3", 4", dual 3", or dual 2"  
 Discharge: Recirculation grille  
 Optional 3" or 4" side collars for venting to the exterior  
 Sound Level: 62 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps

### FILTERS



F071  
Pleated Pre-filter



F074  
Medical Grade HEPA



AG097  
Chemical Filter





DISCOVER  
OUR CUSTOM  
CONFIGURATIONS



# CSA600

HEAVY-DUTY SOLDER FUME EXTRACTOR

- Dual high speed turbine for high suction, pressure and airflow
- Refillable, 15" deep chemical filter module, up to 66 lbs. (30kg)
- Multi-stage filtration system: filter bag (or high capacity pleated filter), medical grade HEPA and chemical filter
- LaserBlue gel seal guarantees ZERO FILTER BYPASS
- Office friendly, whisper quiet operation
- Digital control panel
- Enhanced mobility with heavy duty lockable casters

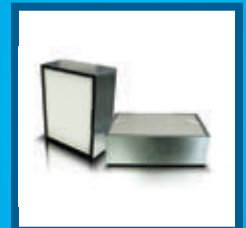
Air Flow: 0-480 m<sup>3</sup>/h / 0-282 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 2 X 1.0 kW High Speed Turbine  
 Voltage: 120V or 230V  
 Dimensions: 13"W x 21"D x 45"H / 330mm x 533mm x 1143mm  
 Filter Sequence: Antimicrobial high capacity bag filter (F128)  
 6" Pleated filter, 60% ASHRAE rated (F071)  
 2" Medical grade HEPA Filter 99.97% (F075)  
 15" Chemical filter (AG111)

Optional Inlets: 1.5", 2", 3" or 4" diameter  
 Discharge: Recirculation grille (standard) or optional 3" or 4" side collars  
 Sound Level: 52 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms  
 Suction hose: 6 feet (2m) of heavy duty hose and clamps

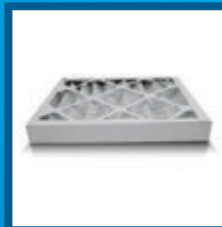
## FILTERS



AG128 - Bag Filter



F075  
Medical Grade HEPA



F071 - Pleated Filter



AG111  
Chemical Filter

# SPH800

SOLDER FUME EXTRACTOR  
FOR HIGH VOLUME APPLICATIONS

DISCOVER  
OUR CUSTOM  
CONFIGURATIONS



1.800.626.0664,  
airpurifiers-r-us.com



**SPH800 with 10 soldering stations**

Multi-station configuration with optional capture arms:  
A127 (left) and A172 (right, table mount)

- Cost-effective high pressure system
- LaserBlue gel seal guarantees ZERO FILTER BYPASS
- Whisper quiet operation
- Enhanced mobility with heavy duty lockable casters
- Powered by 3 high-speed turbines (CSA/UL approved)
- Digital control panel
- Up to 100 lbs. (45 kg) of chemical filtration media
- Also available: brushless units and custom filter configurations

Air Flow: 0- 610 m<sup>3</sup>/h / 0-360 CFM  
 Max Pressure: 90" W.C. / 22 kPa  
 Motor(s): 3 X 1.0 kW High Speed Turbine, UL & CSA Listed  
 Voltage: 230V  
 Dimensions: 16"W x 25"D x 30"H / 406mm x 635mm x 760mm  
 Filter Sequence: Multi layered knock-out pad (1 / inlet) (F166-125)  
 2 x Pleated pre-filter, 30% ASHRAE rated (F071)  
 2 x 2" Medical grade HEPA filter 99.97% (F074)  
 2 x 8" Chemical filter (AG097)  
 Optional Inlets: 1.5", 2", 2.5", 3", 4", or dual inlets  
 Discharge: Recirculation grille (standard) or optional 3" or 4" side collars  
 Sound Level: 54 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms  
 Suction hose: 6 feet (2m) of heavy duty hose and clamps

## FILTERS



AG168  
Knock-out Pad



F074  
Medical Grade HEPA



F071  
Pleated Pre-filter



AG097  
Chemical Filter



3087792  
CONFORMS TO:  
US UL STD 507  
CERTIFIED TO:  
CSA STD C22.2 NO 113





**SPH800**

20-station configuration with optional tip extraction kits.

# SOLDER TIP FUME EXTRACTION

## Scalable fume extraction solutions for electronics assembly operations

Reduce exposure to harmful soldering fumes by capturing them at the source.

Prevent aparition of serious medical conditions such as skin and eye irritation, allergenic conditions, bronchitis, sinonasal cancer and carcinogenic heart/lung diseases.



### Multi-Station Tip Extraction Units

**SPH800** (up to 40 stations)

**SPH400** (up to 25 stations)

AA062 Flexible Arm (table mount)

AA006 Flexible Arm (unit mount)

Multi-station configuration  
with optional capture arms:  
AA006 (unit mount) and AA062 (table mount)

DISCOVER  
OUR CUSTOM  
CONFIGURATIONS

# SPM 504

MULTI-USER SOLDER FUME EXTRACTOR

- Ideal for up to 4 workstations
- Medium pressure motorized brushless impeller
- Enhanced mobility with heavy duty lockable casters
- Multi-stage filtration system: pre-filter, HEPA and chemical filter
- Whisper quiet operation
- Optional digital control panel

Air Flow: 1100 m<sup>3</sup>/h / 475 CFM  
 Motor/fan: Backward inclined, non-overloading, brushless  
 Voltage: 120V or 230V  
 Dimensions: 15"W x 23"D x 30"H / 381mm x 585mm x 762mm  
 Filter Sequence: Pleated pre-filter, 30% ASHRAE (F265)  
 Medical grade HEPA Filter 99.97% (F057)  
 Chemical filter (F033-GPC)  
 Optional Inlets: 2x3", 3x3" or 4x3"  
 Discharge: Recirculation grille; optional silencer (H250)  
 Sound Level: 62 dBA at full speed  
 Remote Control: Optional  
 Suction hose: 6 feet (2m) of heavy duty hose & clamps

## FILTERS



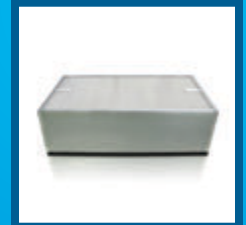
F265  
Pleated Pre-filter



F007  
Pleated Pre-filter



F022  
Medical Grade HEPA



F057  
Medical Grade HEPA



F045  
Chemical Filter



F033-GPC  
Chemical Filter

### Filter configurations

**SPM504-1**  
F033-GPC / F057 / F265

**SPM504-2**  
F045 / F057 / F007

**SPM504-3**  
F033-GPC / F022 / F007



Source capture configuration,  
ducted to wave soldering unit

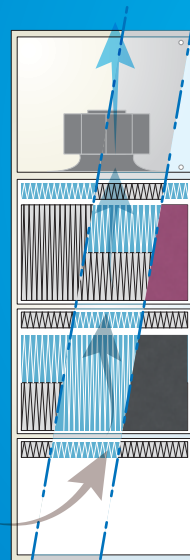
DISCOVER  
OUR CUSTOM  
CONFIGURATIONS

# AF2000

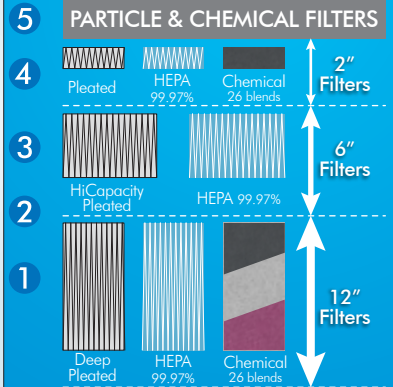
SOLDER FUME EXTRACTOR FOR HIGH VOLUME APPLICATIONS

- Designed for high volume applications (or multi-station)
- Front door access to filters and the motor blower
- Multi-stage filtration system: pre-filter, HEPA and chemical filter
- Custom filter configurations available
- High quality blower motors with very high volumetric flow rate
- Whisper quiet operation
- Digital control panel

Air Flow: Nominal 1700 m<sup>3</sup>/h / 1000 CFM  
 Voltage: 120V or 230V  
 Dimensions: 24"W x 26"D x 71"H / 610mm x 660mm x 1800mm  
 Filtration: Pre-filters  
 Medical grade HEPA filters 99.97%  
 Chemical filter, up to 200 lbs / 90kg  
 Inlets: 6" standard. Optional: 2", 3" or 4" diameter  
 Discharge: Recirculation grille  
 Optional 10" or 12" discharge collars for venting to the exterior  
 Sound Level: 54 dBA at full speed  
 Controls: Remote ON/OFF, communication capabilities, audible and visual alarms  
 Suction hose: 12 feet (3.6m) of flexible hose & clamps



## 5 STAGE FILTRATION SYSTEM





# ACCESSORIES

INCREASED FUNCTIONALITY FOR YOUR UNITS AND IMPROVED PRODUCTIVITY FOR YOUR BUSINESS



Bench Mount



Magnet Mount



Unit Mounted, Flexible Arms and Valves



Cyclone Collectors



Custom Containment Systems



Articulated Arms