Portable Fume Extraction Systems

**BVX-100 Benchtop Single User Arm/Plenum System**
- Quiet unit
- Portable, single user unit
- No external ducting or compressor needed
- Powerful 85m³/hr-airflow rate
- Unit easily fits on and under any workbench
- Innovative adaptor transforms the plenum into an arm
- Two filtration configurations: heavy soldering and light dust or light duty organic solvent and adhesive applications
- Bi-colored LED light indicates when the filters are blocked and require replacing

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BVX-101</td>
<td>Bench-Top, single user arm/plenum system, Pre-HEPA-Gas</td>
</tr>
<tr>
<td>BVX-103</td>
<td>Bench-Top, single user arm/plenum system, Pre-Gas</td>
</tr>
</tbody>
</table>

**Filters**
- FG-BVX: Deep Bed Gas Filter
- FM-BVX: Main Filter (Combined HEPA/Gas)
- FP-BVX: Pre-Filter (Pack of 5)

**Accessories**
- BVX-ADT: Replacement Arm-To-Plenum Adaptor
- BVX-IDT: Inverted Arm Adaptor, ESD Safe
- BVX-BCK: Under Bench Mounting Bracket
- BVX-CH01: Connection hose, 50mm (2”) diameter, 1.8m (6’) long
- BVX-TB01: Table bracket with 2 C-clamps

 Filters are easy to remove and replace.

**BVX-200 Two Stations Portable Filter Unit**
- Two station arm design for dynamic fume extraction
- Quiet brushless motor
- Complete portability, placed under or next to the bench-top
- Fitted with 2x 50mm (2”) Φ arms or 1x 63mm (2.5”) Φ arm
- Main filter has a HEPA efficiency of 99.97% at 0.3 micron, and an activated carbon filter to remove additional gases
- Deep-bed gas filter for high capacity of gas filtration, such as cleaning with solvents or conformal coatings
- Audible gas filter informs operators when filters need replacing
- Easy access bench-top on/off remote switch

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<tr>
<th>Part No.</th>
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<tbody>
<tr>
<td>BVX-201</td>
<td>Filter unit for 2 stations, Pre-HEPA-Gas</td>
</tr>
<tr>
<td>BVX-203</td>
<td>Filter unit for 2 stations, Pre-Deep Bed Gas</td>
</tr>
<tr>
<td>BVX-201-KIT</td>
<td>Filter unit with 2 BVX-ARM, Pre-HEPA-Gas</td>
</tr>
<tr>
<td>BVX-201-KIT1</td>
<td>Filter unit with 2 BVX-ARM-K1, Pre-HEPA-Gas</td>
</tr>
</tbody>
</table>

**Filters**
- FP-BVX200: Pre-Filter (Pack of 5)
- FM-BVX200: Main Filter HEPA Carbon
- FG-BVX200: Deep Bed Gas Filter

**Accessories**
- BVX-ARM-K1: BVX-ARM 760mm (30”) with 1.8m (6’) long hose & table bracket w/C-clamps
- BVX-ARM-K2: BVX-ARM 760mm (30”) & table bracket w/C-clamps
- BVX-ARM: Arm flexible ESD safe, 760mm (30”)
- BVX-ARM: Arm flexible ESD safe, 1.5m (59”) with arm clip
- BVX-TB01: Table bracket with 2 C-clamps
- BVX-CH01: Connection hose, 50mm (2”) diameter, 1.8m (6”)
- BVX-CH02: Connection hose, 50mm (2”) diameter, 3.6m (12”)
- RPS-1: Remote power switch (for use with BVX-200 only)

**Technical Specifications**

<table>
<thead>
<tr>
<th>BVX-100</th>
<th>BVX-200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static Pressure (suction force) 1250 Pa (5”WC)</td>
<td>850 Pa (3.5”WC)</td>
</tr>
<tr>
<td>Fan Capacity 110m³/h (65 cfm)</td>
<td>250m³/h (150 cfm)</td>
</tr>
<tr>
<td>Flow Rate (with filter) 85m³/h (50 cfm)</td>
<td>2 x 75m³/h (45 cfm)</td>
</tr>
<tr>
<td>Air Inlets/Number of Stations 1</td>
<td>2</td>
</tr>
<tr>
<td>HEPA Efficiency 99.97% at 0.3 micron</td>
<td>99.97% at 0.3 micron</td>
</tr>
<tr>
<td>Noise Level &lt; 55 db A</td>
<td>&lt; 55 db A</td>
</tr>
<tr>
<td>Dimensions (W x D x H) 300mm x 230mm x 290mm (11.8” x 9.1” x 11.4”)</td>
<td>508mm x 254mm x 388mm (20” x 10” x 15.3”)</td>
</tr>
<tr>
<td>Weight 9kg (20lbs)</td>
<td>9kg (20lbs)</td>
</tr>
<tr>
<td>Voltage 100-240 VAC</td>
<td>100-240 VAC</td>
</tr>
<tr>
<td>Frequency 50-60 Hz</td>
<td>50-60 Hz</td>
</tr>
<tr>
<td>Power 85 watt</td>
<td>85 watt</td>
</tr>
<tr>
<td>Certification UL, CSA, CE</td>
<td>UL, CSA, CE</td>
</tr>
</tbody>
</table>

Max duct run 3.6 m (12”)
Multi-function Extraction Systems

MFX-2200C Particle Fume Extraction System

The multi-user MFX-2200C Fume Extraction System provides the ultimate performance in a compact size that easily fits under most workbenches. It is ideal for removing solder fumes and filtering laser fumes.

Key Features & Benefits
- Excellent air flow performance
- Large, pleated pre-filter
- HEPA filter rating of 99.97% at 0.3 micron
- Casters as standard
- Dust filter seal keeps filter housing clean
- Minimum operating noise
- Compact size, unit fits under most workbenches
- Connects up to 4 Omniflex arms with rectangular nozzle (EA1122) or large hood (EA1126)
- Connects up to 8 BVX arms or 8 Omniflex arms with tapered nozzle (EA1124)

Part No. Description
MFX-2200C-A Particle Fume Extraction System Analog 110V
MFX-2206C-A Particle Fume Extraction System Analog 230V
MFX-2200C-D Particle Fume Extraction System Digital 110V
MFX-2206C-D Particle Fume Extraction System Digital 230V

Filters
FIL22P030 Prefilter Pleated 60% Efficiency (Pack of 2)
FIL22H070 Combination Filter HEPA/Carbon

Accessories
AC2204 Top cover with 2 air inlets Ø100mm (4") and 2 air inlets Ø 63mm (2.5")

Technical Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MFX-2200G-A</td>
<td>Gas Fume Extraction System Analog 110V</td>
</tr>
<tr>
<td>MFX-2200G-D</td>
<td>Gas Fume Extraction System Digital 110V</td>
</tr>
<tr>
<td>MFX-2206G-D</td>
<td>Gas Fume Extraction System Digital 230V</td>
</tr>
</tbody>
</table>

Filters
FIL22P040 Prefilter Pleated 85% Efficiency
FIL22G010 Gas Filter Cartridge 11kg (25lbs)
FIL22G020 Carbon Refill Kit 11kg (25lbs)

Accessories
AC2202 Top cover with 4 air inlets Ø 63mm (2.5")

MFX-2200G Gas Fume Extraction System

The MFX-2200G Fume Extraction System has been specifically designed for the removal of gases and vapors from a range of heavy duty bench-top applications, including solvent cleaning, gluing/bonding and conformal coatings.

Key Features & Benefits
- High capacity gas filter cartridge ensures a long dwell-time of the gases inside the filter media
- Large, pleated pre-filter
- Casters as standard
- Minimum operating noise
- Provides air flow for two exhaust cabinets
- The unit lid features 100mm (4") and 63mm (2.5") air inlet flanges suitable for the connection of exhaust arms or cabinets

Part No. Description
MFX-2200G-A Gas Fume Extraction System Analog 110V
MFX-2200G-D Gas Fume Extraction System Digital 110V
MFX-2206G-D Gas Fume Extraction System Digital 230V

Filters
FIL22P040 Prefilter Pleated 85% Efficiency
FIL22G010 Gas Filter Cartridge 11kg (25lbs)
FIL22G020 Carbon Refill Kit 11kg (25lbs)

Accessories
AC2202 Top cover with 4 air inlets Ø 63mm (2.5")

Technical Specifications

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<tr>
<td>MFX-2200G-A</td>
<td>Gas Fume Extraction System Analog 110V</td>
</tr>
<tr>
<td>MFX-2200G-D</td>
<td>Gas Fume Extraction System Digital 110V</td>
</tr>
<tr>
<td>MFX-2206G-D</td>
<td>Gas Fume Extraction System Digital 230V</td>
</tr>
</tbody>
</table>

Filters
FIL22P040 Prefilter Pleated 85% Efficiency
FIL22G010 Gas Filter Cartridge 11kg (25lbs)
FIL22G020 Carbon Refill Kit 11kg (25lbs)

Accessories
AC2202 Top cover with 4 air inlets Ø 63mm (2.5")

Controls and Filter Monitor
- Unit On/Off Switch with power indicator
- Thermal overload protection
- Analog models with filter status gauge
- Digital models with filter status indicator lights and other control options
The Omniflex Arms (Ø63mm) are designed for higher airflow rates and effective fume capture from greater distances. A unique ball/socket design provides an unmatched flexibility in maneuvering and positioning. The arms can be adjusted in working length or radius, simply by adding or removing Omniflex components. ESD conformance is ensured through the use of fully conductive material.

**Key Features & Benefits**

- 140m³/h (85cfm) air flow rating (varies with nozzle)
- 63mm (2.5") diameter
- 0.6m (24") long with optional extensions of 300mm (12")

<table>
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<tr>
<th>Part No.</th>
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</tr>
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<tbody>
<tr>
<td>EA1122</td>
<td>Omniflex Arm ESD with Rectangular Nozzle</td>
</tr>
<tr>
<td>EA1124</td>
<td>Omniflex Arm ESD with Tapered Nozzle</td>
</tr>
<tr>
<td>EA1126</td>
<td>Omniflex Arm ESD with Large Hood 350 x 212mm (14&quot; x 8.5&quot;)</td>
</tr>
<tr>
<td>Q-AD426530</td>
<td>Replacement nozzle - Rectangular</td>
</tr>
<tr>
<td>Q-AD426550</td>
<td>Replacement nozzle - Tapered</td>
</tr>
<tr>
<td>Q-AD426560</td>
<td>Replacement nozzle - Large Hood</td>
</tr>
<tr>
<td>AC1101</td>
<td>Damper for Omniflex Arm</td>
</tr>
<tr>
<td>AC1102</td>
<td>Omniflex Arm Extension 30cm (12&quot;)</td>
</tr>
</tbody>
</table>

*BVX-200 series is only rated for one EA1122 arm, one EA1126 arm or two EA1124 arms.*

The BVX Arms (Ø50mm) are the most economical solution while providing good airflow rates and high flexibility. The spiral rolled duct can be tightened in stiffness and can be positioned precisely. The BVX Arm-K2 kit includes a mounting plate and c-clamps for universal mounting. A Y-connection piece is available to connect two BVX Arms to one hose.

**Key Features & Benefits**

- 75m³/h (45cfm) air flow rating
- 50mm (2") ducting with 40mm (1.75") nozzle
- 760mm (30") long
- BVX Arms compatible with all units

<table>
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<tr>
<th>Part No.</th>
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</tr>
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<tbody>
<tr>
<td>BVX-ARM-K1</td>
<td>1 BVX-ARM 760mm (30&quot;) long with 1.8m (6') long hose and table bracket with C-clamps</td>
</tr>
<tr>
<td>BVX-ARM-K2</td>
<td>1 BVX-ARM 760mm (30&quot;) long and table bracket with C-clamps</td>
</tr>
<tr>
<td>BVX-ARM</td>
<td>Arm flexible ESD safe, 760mm (30&quot;) long</td>
</tr>
<tr>
<td>BVX-ARMML</td>
<td>Arm flexible ESD safe, 1.5m (59&quot;) long with arm clip</td>
</tr>
<tr>
<td>BVX-NOZ1</td>
<td>Replacement ESD nozzle, 40mm dia</td>
</tr>
</tbody>
</table>

**Connection Hoses for Omniflex and BVX Arms**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH0251</td>
<td>Connection Hose 2.5m xØ63mm (8&quot; x 2.5&quot;) with clamps</td>
</tr>
<tr>
<td>CH0252</td>
<td>Connection Hose 3.5m xØ63mm (12&quot; x 2.5&quot;) with clamps</td>
</tr>
<tr>
<td>CH0253</td>
<td>Connection Hose 7.5m xØ63mm (25&quot; x 2.5&quot;) with clamps</td>
</tr>
<tr>
<td>AC2025</td>
<td>Y-Piece for Ø63mm (2.5&quot;) hose with clamps</td>
</tr>
</tbody>
</table>
Tip Extraction & Exhaust Cabinet

BTX-208 Portable Tip Extraction Unit

Key Features & Benefits
- High performance extraction directly from the tip of any iron
- Easy extraction network configuration for up to 8 benches
- Complete portability. Designed for under-bench installation
- Main filter has a HEPA efficiency of 99.97% at 0.3 micron, and an activated carbon filter to remove gases
- Both pre- and main- filters can be changed independently
- Plug-and-play ducting system for simple, flexible low cost solution and fast installations
- Universal hose connection kit

Key Features & Benefits
- Bench Top exhaust cabinet
- Offers operators high levels of protection
- Easy Assembly
- Dimensions (W x D x H) 760 x 510 x 560mm (30" x 20" x 22")
- Requires MFX-2200G-A/D Gas Fume Filtration System

Technical Specifications
- Max. number of stations: 8
- Flow Rate per station: >28 l/min
- Noise Level: < 55 db A
- Dimensions (W x D x H): 508mm x 254mm x 388mm (20" x 10" x 15.3")
- Weight: 9kg (20lbs)
- Voltage: 100-240 VAC
- Frequency: 50-60 Hz
- Power: 85 Watt
- Max Duct Run: 30m (100')
- Certification: UL/CSA/CE

EC1800 Exhaust Cabinet

The EC1800 is an ideal bench top exhaust cabinet for applications such as volatile vapors and gases with high toxic levels.

A hinged and clear viewing panel maintains excellent visibility while at the same time reducing the airflow demand on the cabinet.

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