

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
- ▶ Immediate extraction of fumes, particles and vapors
- ▶ 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



| Part No. | Description |
|----------|--------------------------------------------------------|
| BVX-101 | Bench-Top, single user arm/plenum system, Pre-HEPA-Gas |
| BVX-103 | Bench-Top, single user arm/plenum system, Pre-Gas |

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-IADT | 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") Ø arms or 1x 63mm (2.5") Ø 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 alarm informs operators when filters need replacing
- ▶ Easy access bench-top on/off remote switch



| Part No. | Description |
|--------------|----------------------------------------------|
| BVX-201 | Filter unit for 2 stations, Pre-HEPA-Gas |
| BVX-203 | Filter unit for 2 stations, Pre-Deep Bed Gas |
| BVX-201-KIT | Filter unit with 2 BVX-ARML, Pre-HEPA-Gas |
| BVX-201-KIT1 | Filter unit with 2 BVX-ARM-K1, Pre-HEPA-Gas |

Filters

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|-----------|-------------------------|
| 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-ARML | 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

| | BVX-100 | BVX-200 |
|---------------------------------|----------------------------------------------|-------------------------------------------|
| Static Pressure (suction force) | 1250 Pa (5"WC) | 850 Pa (3.5"WC) |
| Fan Capacity | 110m ³ /h (65 cfm) | 250m ³ /h (150 cfm) |
| Flow Rate (with filter) | 85m ³ /h (50 cfm) | 2 x 75m ³ /h (45 cfm) |
| Air Inlets/Number of Stations | 1 | 2 |
| HEPA Efficiency | 99.97% at 0.3 micron | 99.97% at 0.3 micron |
| Noise Level | < 55 db A | < 55 db A |
| Dimensions (W x D x H) | 300mm x 230mm x 290mm (11.8" x 9.1" x 11.4") | 508mm x 254mm x 388mm (20" x 10" x 15.3") |
| Weight | 9kg (20lbs) | 9kg (20lbs) |
| Voltage | 100-240 VAC | 100-240 VAC |
| Frequency | 50-60 Hz | 50-60 Hz |
| Power | 85 watt | 85 watt |
| Certification | UL, CSA, CE | UL, CSA, CE |
| | | 3.6 m (12') Max duct run |



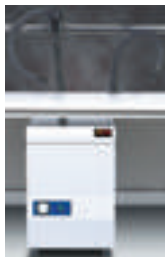
Multi-function Extraction Systems

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

| | 110V Units | 230V Units |
|------------------------|-----------------------|----------------------|
| Air Inlet Openings | 4 x Ø2.5" | 4 x Ø63mm |
| Fan Capacity | 600 cfm | 900m³/h |
| Flow Rate | 400 cfm | 600m³/h |
| HEPA Efficiency | 99.97% at 0.3 micron | 99.97% at 0.3 micron |
| Static Pressure | 4.5" WC Max | 1075 Pa |
| Power Supply | 100-120VAC, 60Hz | 220-240VAC, 50Hz |
| Power | 400 Watt | 400 Watt |
| Noise Level | 58 dbA | 58 dbA |
| Dimensions (W x D x H) | 17.7" x 20.7" x 26.4" | 450 x 525 x 670mm |
| Weight | 93 lbs | 43 Kg |
| Certification | UL, CSA | CE |
| Max duct run | 100' | 30 m |

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



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-2206G-A | Gas Fume Extraction System Analog 230V |
| MFX-2200G-D | Gas Fume Extraction System Digital 110V |
| MFX-2206G-D | Gas Fume Extraction System Digital 230V |

Filters

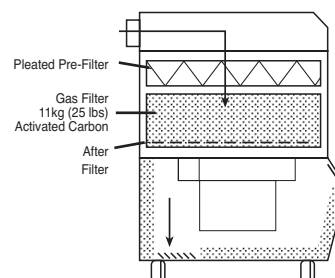
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| FIL22P040 | Prefilter Pleated 85% Efficiency |
| FIL22G010 | Gas Filter Cartridge 11kg (25lbs) |
| FIL22G020 | Carbon Refill Kit 11kg (25lbs) |

Accessories

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

Technical Specifications

| | 110V Units | 230V Units |
|------------------------|-----------------------|--------------------|
| Air Inlet Openings | 2xØ4" & 2xØ2.5" | 2xØ100mm & 2xØ63mm |
| Fan Capacity | 600 cfm | 900m³/h |
| Flow Rate | 350 cfm | 550m³/h |
| Static Pressure | 4.5" WC Max | 1075 Pa |
| Power Supply | 100-120VAC, 60Hz | 220-240VAC, 50Hz |
| Power | 400 Watt | 400 Watt |
| Noise Level | 58 dbA | 58 dbA |
| Dimensions (W x D x H) | 17.7" x 20.7" x 26.4" | 450 x 525 x 670mm |
| Weight | 115 lbs | 52 Kg |
| Certification | UL, CSA | CE |
| Max duct run | 100' | 30 m |



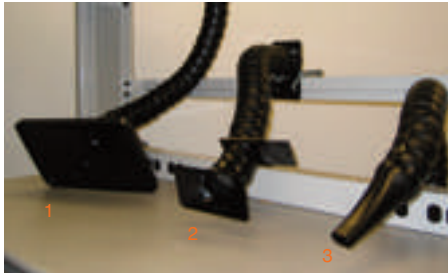
Omniflex & BVX Arms



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")



| Part No. | Description |
|------------|-------------------------------------------------------------|
| EA1122 | 2 Omniflex Arm ESD with Rectangular Nozzle |
| EA1124 | 3 Omniflex Arm ESD with Tapered Nozzle |
| EA1126 | 1 Omniflex Arm ESD with Large Hood 350 x 212mm (14" x 8.5") |
| Q-AD426530 | Replacement nozzle - Rectangular |
| Q-AD426550 | Replacement nozzle - Tapered |
| Q-AD426560 | Replacement nozzle - Large Hood |
| AC1101 | 4 Damper for Omniflex Arm |
| AC1102 | Omniflex Arm Extension 30cm (12") |

**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

| Part No. | Description |
|------------|---------------------------------------------------------------------------------------|
| BVX-ARM-K1 | 5 1 BVX-ARM 760mm (30") long with 1.8m (6') long hose and table bracket with C-clamps |
| BVX-ARM-K2 | 1 BVX-ARM 760mm (30") long and table bracket with C-clamps |
| BVX-ARM | Arm flexible ESD safe, 760mm (30") long |
| BVX-ARML | Arm flexible ESD safe, 1.5m (59") long with arm clip |
| BVX-NOZ1 | Replacement ESD nozzle, 40mm dia |

Connection Hoses for Omniflex and BVX Arms

| | | |
|--------|---|------------------------------------------------------|
| CH0251 | 6 | Connection Hose 2.5m xØ63mm (8" x 2.5") with clamps |
| CH0252 | 6 | Connection Hose 3.5m xØ63mm (12" x 2.5") with clamps |
| CH0253 | 6 | Connection Hose 7.5m xØ63mm (25" x 2.5") with clamps |
| AC2025 | 7 | Y-Piece for Ø63mm (2.5") hose with clamps |



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

| Part No. | Description |
|----------|---------------------------------------------------------|
| BTX-208 | Filter Unit for 8 Tip Extraction Stations, Pre/HEPA/Gas |

Filters

| | |
|-----------|-----------------------------------|
| FP-BVX200 | Pre-Filters (pack of 5) |
| FM-BVX200 | Main Filter, HEPA 99.95% / Carbon |

Iron Adapter Kits

| | |
|--------|--------------------------------------------|
| AC-FX1 | Universal tip extraction iron adapter clip |
|--------|--------------------------------------------|



CONNECTION KITS:

| | |
|------------|-----------------------------------------------------------|
| BTX-CK2-25 | Connection Kit for 2-4 stations with 2.5m (8') Long Hose |
| BTX-CK4-50 | Connection Kit for 4-8 stations with 5m (16') Long Hose |
| BTX-CK4-75 | Connection Kit for 4-8 stations with 7.5m (25') Long Hose |

Individual Parts

| | | |
|------------|---|-------------------------------------------|
| CH0121 | 1 | Flexible Hose Ø35mm x 2.5m (8') Long |
| CH0122 | 1 | Flexible Hose Ø35mm x 5m (16') Long |
| CH0123 | 1 | Flexible Hose Ø35mm x 7.5m (25') Long |
| AC-TX001-4 | 2 | Couplings with 2 Glands 5.6mm (pack of 4) |
| AC-TX002-2 | 3 | T-Piece Connector (pack of 2) |

| CONNECTION KITS | | BTX-CK2-25 | BTX-CK4-50 | BTX-CK4-75 |
|------------------------|--------------------------------|------------|------------|------------|
| Max number of stations | single-row bench | 2 | 4 | 4 |
| | double-row bench | 4 | 8 | 8 |
| | | Qty | Qty | Qty |
| 1 | Flexible Hose Ø35mm (1.25") | 2.5m (8') | 5.0m (16') | 7.5m (25') |
| 2 | Coupling with 2 Glands 5.6mm 2 | 4 | 4 | |
| 3 | T-piece Connector | 0 | 1 | 1 |
| - | Roll of Vinyl Tape | 1 | 1 | 1 |

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.



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")
- ▶ Connection Flange Ø100mm (4")
- ▶ Requires MFV-2200G-A/D Gas Fume Filtration System

| Part No. | Description |
|----------|--------------------------------------------------------|
| EC1800 | Exhaust Cabinet with clear viewing panel |
| CH0047 | Connection hose 2.5m (8') Long Ø100mm (4") with Clamps |



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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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