

# Portable Fume Extraction Systems

## [Fume Extraction]

### BVX-100

#### Benchtop Single User Arm/Plenum System



- Quiet unit
- Portable, single user unit
- No external ducting or compressor needed
- Powerful 85 m<sup>3</sup>/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 & light dust or light duty organic solvent and adhesive applications
- Bi-colored LED light indicates when the filters are blocked and require replacing

| Part Number | Description   |
|-------------|---|
| BVX-101     | Bench-Top, single user arm/plenum system with Pre-, HEPA/Gas-Filter |
| BVX-103     | Bench-Top, single user arm/plenum system with Pre-/Gas-Filter       |

#### Filters

|        |                                |
|--------|--------------------------------|
| FG-BVX | Deep Bed Gas Filter            |
| FM-BVX | Main Filter, HEPA/Gas (Carbon) |
| 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, Ø 50 mm (2") x 1.8 m (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
- For use with 2 Arms Ø 50 mm (2") or 1 arm Ø 63 mm (2.5")
- 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 Number  | Description  |
|--------------|--|
| BVX-201      | Filter unit for 2 stations with Pre-, HEPA/Gas-Filter and Remote Switch    |
| BVX-203      | Filter unit for 2 stations with Pre-, Gas-Filter and remote Switch         |
| BVX-201-KIT  | Filter unit with 2 BVX-ARML with Pre-, HEPA/Gas-Filter and Remote Switch   |
| BVX-201-KIT1 | Filter unit with 2 BVX-ARM-K1 with Pre-, HEPA/Gas-Filter and Remote Switch |

#### Filters

|           |                                |
|-----------|--------------------------------|
| FP-BVX200 | Pre-Filter (Pack of 5)         |
| FM-BVX200 | Main Filter, HEPA/Gas (Carbon) |
| FG-BVX200 | Deep Bed Gas Filter (Carbon)   |

#### Accessories

|            |   |
|------------|---|
| BVX-ARM-K1 | ESD-Arm - Ø 50 x length 760 mm (30") with hose 1.8 m (6') long & table bracket w/C-clamps |
| BVX-ARM-K2 | ESD-Arm - Ø 50 x length 760 mm (30") & table bracket w/C-clamps                           |
| BVX-ARM    | Arm, flexible, ESD safe, Ø 50 mm x 760 mm (30") long                                      |
| BVX-ARML   | Arm, flexible, ESD safe, Ø 50 mm x 1.5 m long (59") with arm clip                         |
| BVX-TB01   | Table bracket with 2 C-clamps   |
| BVX-CH01   | Connection hose, Ø 50 mm (2") x 1.8 m (6') long   |
| BVX-CH02   | Connection hose, Ø 50 mm (2") x 3.6 m (12') long  |
| RPS-1      | Remote power switch (for use with BVX-200 only)   |

| System Specification            | BVX-100                                   | BVX-200                                |
|---------------------------------|---|--|
| Static Pressure (suction force) | 1250 Pa (5"WC)                            | 850 Pa (3.5"WC)                        |
| Fan Capacity                    | 110 m <sup>3</sup> /h (65 cfm)            | 250 m <sup>3</sup> /h (150 cfm)        |
| Flow Rate (with filter)         | 85 m <sup>3</sup> /h (50 cfm)             | 2 x 75 m <sup>3</sup> /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 dBA                                  | < 55 dBA                               |
| Dimensions (W x D x H)          | 300 x 230 x 290 mm (11.8" x 9.1" x 11.4") | 508 x 254 x 388 mm (20" x 10" x 15.3") |
| Weight                          | 9 kg (20 lbs)                             | 9 kg (20lbs)                           |
| Voltage                         | 100 - 240 VAC                             | 100 - 240 VAC                          |
| Frequency                       | 50 - 60 Hz                                | 50 - 60 Hz                             |
| Power                           | 85 W                                      | 85 W                                   |
| Certification                   | cTUVus, CE                                | cTUVus, CE                             |
| Max duct run                    | 1.8 m (6')                                | 3.6 m (12')                            |