



Powerful, Portable Fume Extraction

OK International's BVX-100 Series Fume Extraction Systems are powerful, but low noise units that need no external ducting or compressor. Simply move these lightweight systems from station to station, plug them in and switch them on for instant fume extraction. Just 279mm (11") tall, with a 305mm x 229mm (12" x 9") plenum chamber, the units easily fit on any bench-top or, when space is at a premium, take advantage of the under-bench mounting bracket.

Rated at 85-Watts, the systems deliver high quality filtration without compromise. A powerful 85m³/hr-airflow rate provides immediate extraction of fumes, particles and vapors from operator breathing areas. When a larger capture range is needed, an innovative adaptor quickly transforms the plenum into an arm extraction system.

Two filtration configurations are available for heavy soldering and light dust applications, or light duty organic solvent and adhesive applications. A bi-colored LED light indicates when the filters are blocked and require replacing.



Two Station Design for Dynamic Fume Extraction

The BVX-200 Series Fume Extraction Systems are revolutionary two-arm units that combine powerful fan performance with efficient filtration, quiet operation and complete portability. They can be placed under or next to the bench-top and fitted with either two 50mm (2") diameter BVX arms or one 63mm (2.5") diameter Omniflex arm.

Using the proven fan motor of the BVX-100 Series Fume Extraction Systems, the BVX-200 Series Fume Extractions Systems add a proprietary one-stage impeller design that doubles the total free-blowing airflow. The result is a maximum free-blowing airflow of 250m³/h (150cfm), with a maximum suction force of 850 Pa (3.5"WC). This suction force provides ample capability in reserve to handle any clogging that may occur during the normal life of the filter. In fact, the suction rating for this unit is one of the best in its class offered for such compact and portable systems.

The BVX-201 Fume Extraction System is designed mainly for solder fumes and incorporates both pre- and main-filters which can be changed independently to maximize the working life of each filter and lower the total cost of ownership. The main filter has a HEPA efficiency of 99.97% at 0.3 micron, plus an activated carbon filter to remove additional gases. For applications that require a high capacity of gas filtration, such as cleaning with solvents or conformal coatings, the BVX-203 Fume Extraction System features a deep-bed gas filter.



BVX-100 Series

- BVX-101**
Bench-Top, single user arm/plenum system, Pre-HEPA-Gas, 100-240 VAC

- BVX-103**
Bench-Top, single user arm/plenum system, Pre-Gas, 100-240 VAC

- BVX-101-S**
Bench-Top, single user plenum system without arm, Pre-HEPA-Gas, 100-240 VAC

- BVX-103-S**
Bench-Top, single user plenum system without arm, Pre-Gas, 100-240 VAC

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-200 Series

- BVX-201-KIT**
Filter unit with 2 flexible arms, 1.2m long, Pre-HEPA-Gas

- BVX-201**
Filter unit for 2 stations, Pre-HEPA-Gas

- BVX-203**
Filter unit for 2 stations, Pre-Deep Bed Gas

FILTERS

- FP-BVX200**
Pre Filter (Pack of 5)

- FM-BVX200**
Main Filter HEPA Carbon

- FG-BVX200**
Deep Bed Gas Filter

ACCESSORIES

- BVX-ARM-K1**
1 BVX arm 710mm (28") long with 1.8m (6') long hose and table bracket with C-clamps

- BVX-ARM**
Arm flexible ESD safe, 710mm (28") long

- BVX-ARML**
Arm flexible ESD safe, 1.2m (48") long

- BVX-TB01**
Table bracket with 2 C-clamps

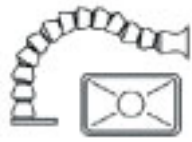
- BVX-CH01**
Connection hose, 50mm (2") diameter, 1.8m (6') long

- BVX-CH02**
Connection hose, 50mm (2") diameter, 3.6m (12') long



Technical Specifications

	BVX-100 Series	BVX-200 Series
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) 300mmx230mmx290mm (11.8" x 9.1" x 11.4")	508mmx 254mmx388mm (20" x 10" x 15.3")
Weight	9kg (20 lbs)	9kg (20 lbs)
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



A



B



C



D

Features

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

Omniflex Arms

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.

Part Numbers

A **EA1122** Omniflex Arm ESD with Rectangular Nozzle

B **EA1124** Omniflex Arm ESD with Tapered Nozzle

C **EA1126** Omniflex Arm ESD with Large Hood
350 x 212mm (14" x 8.5")

D **AC1101** Damper for Omniflex Arm

AC1102 Omniflex Arm Extension 300mm (12") long

All Omniflex arms are supplied with mounting plates and C-clamps.



BVX Arms

BVX Arms (Ø50mm) are the most economic 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.

Features for BVX Arms

- 75m³/h (45cfm) air flow rating
- 50mm (2") ducting with 40mm (1.75") nozzle
- 710mm (28") long

Part Numbers for BVX Arms

BVX-ARM-K2

BVX Arm ESD with Nozzle, Mounting Plate and C-Clamps

For Individual Components Refer To BVX Section

Connection Hoses for Omniflex and BVX Arms

A CH0251	Connection Hose 2.5m x Ø63mm (8' x 2.5") with clamps
A CH0252	Connection Hose 3.5m x Ø63mm (12' x 2.5") with clamps
A CH0253	Connection Hose 7.5m x Ø63mm (25' x 2.5") with clamps
B AC2025	Y-Piece for Ø63mm (2.5") hose with clamps

