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 85m^3/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

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") ∅ arms or 1x 63mm (2.5") ∅ 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

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)

Filters are easy to remove and replace.

Technical Specifications

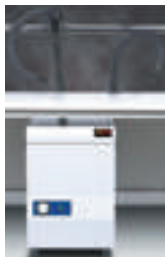|	BVX-100	BVX-200
Static Pressure (suction force)	1250 Pa (5"WC)	850 Pa (3.5"WC)
Fan Capacity	110m^3/h (65 cfm)	250m^3/h (150 cfm)
Flow Rate (with filter)	85m^3/h (50 cfm)	2 x 75m^3/h (45 cfm)
Air Inlets/Number of Stations	1	2
HEPA Efficiency	99.97% at 0.3 micron	99.97% at 0.3 micron
Noise Level	< 55 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

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

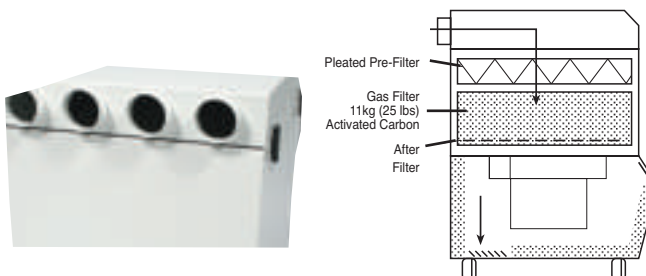| Part No.	Description
MFX-2200G-A	Gas Fume Extraction System Analog 110V
MFX-2206G-A	Gas Fume Extraction System Analog 230V
MFX-2200G-D	Gas Fume Extraction System Digital 110V
MFX-2206G-D	Gas Fume Extraction System Digital 230V
Filters	
FIL22P040	Prefilter Pleated 85% Efficiency
FIL22G010	Gas Filter 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

Pleated Pre-Filter

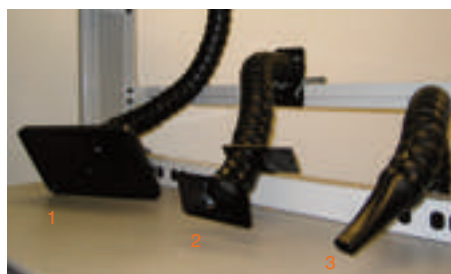Gas Filter 11kg (25 lbs) Activated Carbon

After Filter

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 maneouvering 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

◗ 140m^3/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

◗ 75m^3/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

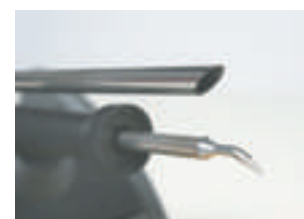### Individual Parts

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
	when using 5.6mm tubes	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 MFX-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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ООО "ЛайфЭлектроникс"   **"LifeElectronics" LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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