

# BTX-208

## Fume Extraction System



**METCAL**

# System User Guide

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## For Your Safety

For safe and successful operation of this equipment, please read this user guide completely. If the instructions stated herein are not observed or followed, the manufacturer cannot assume responsibility for any harm or damage to the operator or equipment. Please retain this manual for future reference.

Always disconnect the power supply before servicing the equipment.

Do not operate this equipment without filter inserts as contaminants in the extracted air will damage the blower. Use only filters recommended or supplied by OK International.

The BTX-208 is designed for the removal of fumes and gases only. Consult your company's Safety Department when using this equipment for filtering of flammable gases. This equipment is not explosion safe and can **only** be used for the extraction of vapors that have a concentration level well below the lower explosive limit.

This equipment is equipped with "automatic reset overload protection" that may restart the equipment automatically after an overload shutdown.

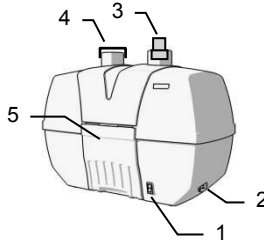
While under warranty, the unit may be repaired only by an authorized OK International Service Representative.

## Items Supplied

- 1 Filter Unit with filters installed
- 1 32mm hose adapter
- 1 air inlet cover installed on second air inlet port
- 1 Power Cord
- 1 Operating Manual

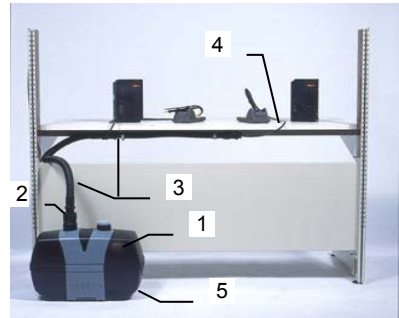
## Description

- (1) ON/OFF switch
- (2) power connection
- (3) 32mm hose adapter
- (4) air bypass valve
- (5) latch (front and back)



## Installation

- Place filter unit (1) at a location which minimizes length of ducting
- Screw supplied hose adapter into open air inlet port (2)
- Install ducting (3) as per *duct installation instructions*
- Install iron adapter kits (4)
- Connect filter unit to power supply (5)



## Operation and Maintenance

- Turn unit ON.
- Adjust air by-pass valve on second air inlet cover according to number of solder irons connected. This will eliminate a “fluttering” effect of the pump at low airflow rates. *Note: the “fluttering” does not cause any damage to the system.*

## Maintenance

The airflow of the filter unit decreases during operation due to several reasons:

- Clogging of vacuum tubes and hoses attached to solder iron
- Saturation of pre and main-filter inside filter unit

Cleaning of tip extraction tubes:

Clean stainless steel vacuum tubes (1) periodically and frequently. Cleaning brushes are supplied with the iron adapter kits. Inspect vacuum hoses (2) visually and clean if needed.

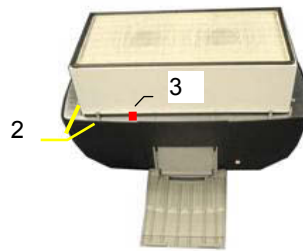


## Replacement of filters:

If, after cleaning of accessories, the fumes are not extracted efficiently, replace filter(s) inside filter unit. Initially replace the pre-filter only. If this step does not sufficiently improve the airflow, then replace the main filter (HEPA/Carbon).

1. Turn unit off.
2. Disconnect the power cord.
3. Unlatch the filter cover (1).
4. Remove filter cover.
5. Replace the filters. (Pre-filter/main filter). Make sure to place main filter inside the alignment pins (2) so that interlock switch (3) is depressed.
6. Replace filter cover and ensure proper fit on bottom housing. Hook both latches into filter cover and press down carefully.  
**!** Caution! Do not use force. If latches do not close, check proper seating of filter cover on bottom housing.
7. Reconnect power cord and turn system on.
8. If unit does not operate, refer to troubleshooting section.

Notice: Always use new replacement filters!



For disposal of used filters follow local environmental and safety requirements.

## Troubleshooting

Problem	Possibly Cause	Solution
No air flow	No Power Interlock switch open	Check On/Off Switch Check power outlet Check power cord Check filter Check safety interlock switch
Little air flow	Clogged tubes / hoses Air leak	Clean extraction tube at solder iron Clean vacuum hoses Check duct connections for leaks Housing not closed correctly

## Technical Data

Max. number of stations	8
Flow rate per station	> 28 lit/min
Noise Level:	< 55 dBA
Dimensions (WxDxH)	508 x 254 x 388 mm (20" x 10" x 15.3")
Weight:	9 kg (20 lbs)
Voltage	100-240 VAC
Frequency	50 – 60 Hz
Power	85 Watt
Certification	UL / CSA / CE

## Part Numbers

BTX-208 Filter Unit tip extraction for 8 stations, 100-240V / 50-60Hz

### Replacement Filters

FP-BVX200 Pre-filter (Pack of 5)

FM-BVX200 Main filter, HEPA 99.95% / Carbon

### Duct Connection Kits

BTX-CK2-25 Hose connection kit 2-4 stations 2.5m (8') long

BTX-CK4-50 Hose connection kit 4-8 stations 5m (16') long

BTX-CK4-75 Hose connection kit 2-4 stations 7.5m (25) long

For Iron Adapter Kits contact your OK International Sales Representative.

## Warranty

OK International warrants the BTX-208 system against any defects in materials or workmanship for one (1) year from the date of purchase by the original owner. This warranty excludes normal maintenance and shall not apply to any opened, misused, abused, altered or damaged items. If the product should become defective within the warranty period, OK International will repair or replace it free of charge at its sole option. The repaired or replacement item(s) will be shipped, freight prepaid, to the original purchaser. The warranty period will start from the date of purchase. If the date of purchase cannot be substantiated the date of manufacture will be used as the start of the warranty period.

For repair or return of the equipment anytime, a Return Material Authorization Number (RMA #) from OK International is required.