

CUSTOMER ASSISTANCE POLICY

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Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.



Operator's Manual

Backdraft Source Capture Panel

TECHNICAL SPECIFICATIONS -

Model	B (in.)	X (in.)	Y (in.)	Z (in.)	A Diameter (in.)	Rated Extraction (cfm)
K4547-1	12	18	18	4	6	500
K4548-1	12	27	18	4	8	750

GENERAL DESCRIPTION

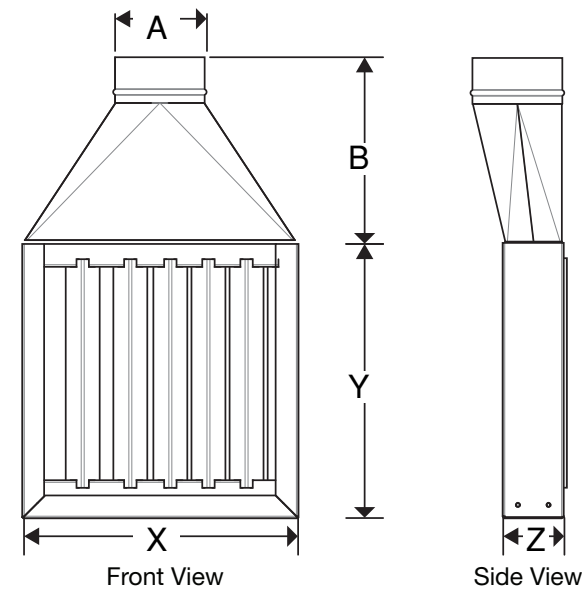
Backdraft Source Capture Panels are designed for use on the benchtop to remove welding fume and metalworking dust.

INTENDED USE

Benchtop extraction of welding fume, grinding dust, plasma, metallization, and arc air gouging. Source capture point only, requires extraction fan or dust collection system.

ENVIRONMENTAL AREA

The Backdraft Panel is for indoor use only.



THE LINCOLN ELECTRIC COMPANY
 22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.
 Phone: +1.216.481.8100 • www.lincolnelectric.com

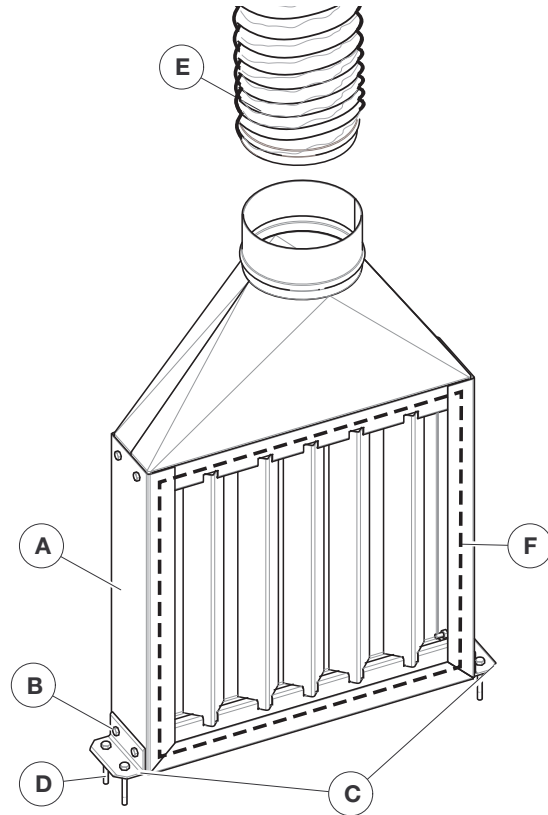
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COMPONENTS

- A BACKDRAFT PANEL (1)
- B SCREW M6 x 20mm (4)
- C MOUNTING PLATE (2)
- D SCREW M6 x 55mm (4)
- M6 NUT (4)
- M6 WASHERS (8)
- INSTRUCTION MANUAL

FIGURE 1 - BENCHTOP (VERTICAL)



MOUNTING: BENCHTOP (VERTICAL)

- 1 Assemble mounting plates (C) to backdraft panel (A) with M6 x 20 mm long screws (B), qty 4 provided to both sides of backdraft panel as shown.
- 2 Decide the location for mounting the unit on the benchtop and drill dia 7 mm holes (4 places) on the benchtop using mounting plates (C) as template.
- 3 Mount the unit to benchtop using M6 x 55 mm screw (D), qty 4 provided. Use the nuts and washers provided in the kit. (If the bench is thicker than the length of the screw provided, use appropriate screws to mount - not included).
- 4 Connect to extraction duct (E - not included). Connect manual or automatic/motorized damper (not included) for airflow balancing if the unit is part of a central system.

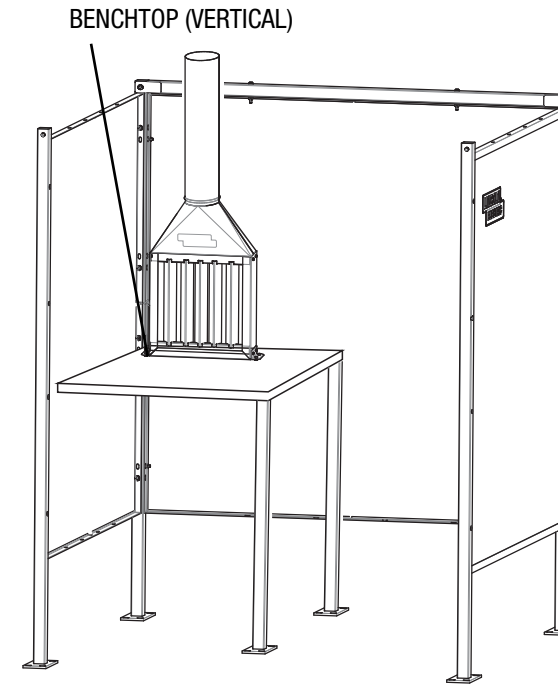
Note: In case of mounting direct to the wall, drill holes on the back side of the backdraft panel (A) and mount to wall with appropriate screws (not included). Capturing zone (F) should be facing the work area. Follow the above steps to assemble backdraft panel (A) and extraction duct (E - not included).

WARNING

The installer is responsible for following Federal, State and Local safety codes and regulations.

Before drilling, verify locations of existing gas, water, or electrical conduits.

FIGURE 2



WARNING

FUMES AND GASES can be dangerous



Welding may produce fumes and gases hazardous to health. Avoid breathing these fumes and gases. When welding, keep your head out of the fume. Use enough ventilation and/or exhaust at the arc to keep fumes and gases away from the breathing zone. When welding with electrodes which require special ventilation such as stainless or hard facing (see instructions on container or MSDS) or on lead or cadmium plated steel and other metals or coatings which produce highly toxic fumes, keep exposure as low as possible and within applicable OSHA PEL and ACGIH TLV limits using local exhaust or mechanical ventilation. In confined spaces or in some circumstances, outdoors, a respirator may be required. Additional precautions are also required when welding on galvanized steel.

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV.

WARNING

Fire hazard!

Never use the product for:

- Filtering flammable, glowing or burning particles or solids or liquids.
- Filtering of aggressive fumes (such as hydrochloric acid) or sharp particles.
- Sucking cigarettes, cigars, oiled tissues, and other burning particles, objects, and acids.