

PRISM[®] DOWNDRAFT AND PRISM DOWNDRAFT WITH MECHANIZED CLEANING DUAL PURPOSE WORKBENCH AND EXTRACTION TABLES



Shown: Prism Downdraft

KEY FEATURES

The Prism[®] Downdraft table is a compact table that can be placed in multiple locations around a welding shop. It combines a workbench and extraction unit specifically designed for the removal of welding fume. The Prism Downdraft table can be used to remove particulate and dust from metal grinding applications, as well as fume and particulate from light duty plasma arc cutting applications, making the table a safe and effective workplace.

The Prism Downdraft table is ideally used for:

- » Welding
- » Plasma Cutting
- » Grinding⁽¹⁾



Processes »

Stick, TIG, MIG, Flux-Cored,
Plasma Cutting, Grinding⁽¹⁾

Input »



Product Number »

Prism Downdraft

K2751-10 208-230/460V/3PH/60Hz

K2751-13 380V/3PH/50Hz

K2751-14 575V/3PH/60Hz

Prism Downdraft With Mechanized Cleaning

K2751-11 208-230/460V/3PH/60Hz

K2751-15 380V/3PH/50Hz

K2751-16 575V/3PH/60Hz



⁽¹⁾ Not suitable for grinding Aluminum, Magnesium or other explosive materials

KEY FEATURES Continued

Prism Downdraft And Prism Downdraft With Mechanized Cleaning

- » **Three Stage Spark Arrestor System:** Captures hot particulate before it can get into the filter chamber.
- » **Strong Backdraft (80%) and Downdraft (20%) Extraction Capacity:** Ideal for welding, grinding^[2], and light duty plasma cutting. (max 50 amps)
- » **Simple Operation and Easy Maintenance:** All controls and particulate collection drawers are easily accessible from the front of the Downdraft table.
- » **Automatic Filter Cleaning:** The on-board cleaning mechanism in the Prism Downdraft model uses blasts of compressed air (external resource) to knock particulate from the filter surfaces, extending the time interval between filter replacement.

BENEFITS

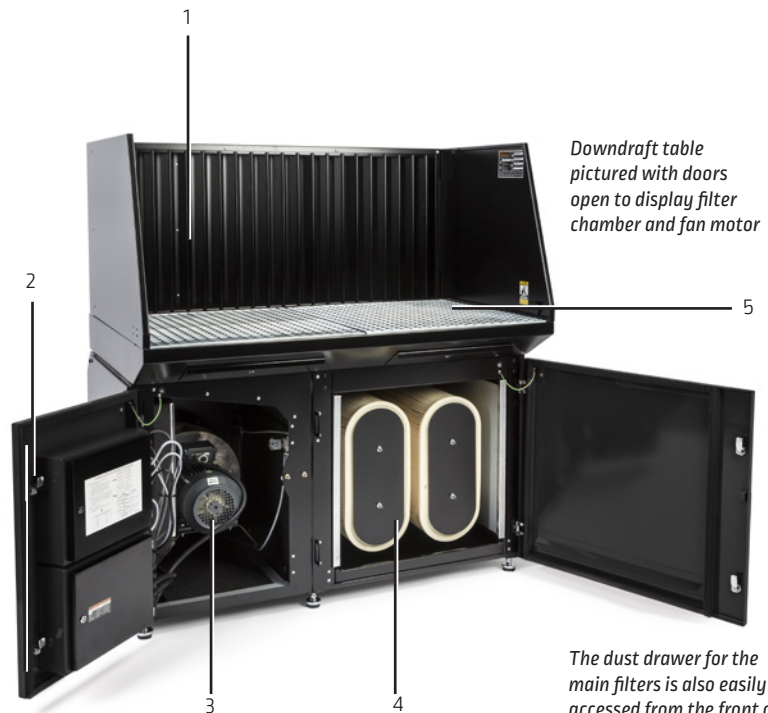
Prism Downdraft And Prism Downdraft With Mechanized Cleaning

- » **Cleaner work environment:** Removes welding, cutting and grinding fume at the source.
- » **Filter size:** Large filter surface area results in longer filter life and reduced maintenance costs.
- » **Low noise level:**
 - Without options: 78 dB(a)
 - With Silencer: 74 dB(a)
 - With Silencer & HEPA Kit: 71 dB(a)

^[2] Not suitable for grinding Aluminum, Magnesium or other explosive materials

PRISM DOWNDRAFT AND PRISM DOWNDRAFT WITH MECHANIZED CLEANING TABLES

1. Highly efficient welding, grinding and plasma cutting backdraft panel (80% backdraft/20% downdraft).
2. Locking front doors.
3. Powerful extraction motor (1750 CFM).
4. Dual MERV 16, high efficiency filters with 560 ft² [52 m²] of total surface area.
5. Work table size: 53.8 x 29.5 in. (1366 x 750 mm).
Work load: 440 lbs. (200 kg), 330 lbs. (150 kg) with wheel kit installed.



Downdraft table pictured with doors open to display filter chamber and fan motor

The dust drawer for the main filters is also easily accessed from the front of the Prism Downdraft table. It is located behind the lockable filter compartment door.



The lockable dust drawers for the second stage pre-filtration area are easily accessed from the front of the Prism Downdraft table.



Left and right side panels swing open to allow for larger parts to be placed on the work surface.

PRODUCT SPECIFICATIONS

Product Name	Product Number	Filter Type	Filter Size ft ² (m ²)	Input Power Voltage/Phase/Hertz	Input Current (Amps)	Dimensions H x W x D in. (mm)	Weight lbs. (kg)		
Prism Downdraft	K2751-10	MERV 16 (HE) for light to medium applications	560 (52)	208-230/460/3/60	11.7-10.5/5.4	61.6 x 54.7 x 39.2 (1565 x 1389 x 996) With Height Adjustments: 1.5 (38) additional height for leveling With Wheel Kit: 62.9 (1598) height Work Surface Height: 37 – 38.5 (940 – 978)	683 (311)		
	K2751-13			380/3/50	4.1				
	K2751-14			575/3/60	3.8				
Prism Downdraft With Mechanized Cleaning	K2751-11	MERV 16 (HE) for medium to heavy applications. Automatic filter cleaning	560 (52)	208-230/460/3/60	11.7-10.5/5.4			61.6 x 54.7 x 39.2 (1565 x 1389 x 996) With Height Adjustments: 1.5 (38) additional height for leveling With Wheel Kit: 62.9 (1598) height Work Surface Height: 37 – 38.5 (940 – 978)	718 (326)
	K2751-15			380/3/50	4.1				
	K2751-16			575/3/60	3.8				

ACCESSORIES

Product Name	Product Number	Prism Downdraft	Prism Downdraft With Mechanized Cleaning
Replacement Filters and Arrestors			
Pre-Spark Arrestors (Set of 2)	KP4052-1	•	•
Spark Arrestors (Set of 2)	KP2752-12	•	•
MERV 16 (HE) Filter (Set of 2)	KP2752-16	•	•
HEPA Filter (For use in K2752-1)	KP2752-14	•	•
Discharge Filter	KP3551-1	•	•
Plasma Cutting Pre-filter Kit (Set of 2 for use in K2752-2)	KP2752-17	•	•
Sensors			
Current Activated Start/Stop Sensor	K2752-4		•
General Accessories			
Working Light Kit	K2752-3	•	•
Mounting Bracket for Bench Vise ⁽³⁾	K2752-8	•	•
Plasma Cutting Work Grid (Max 50 Amps)	K2752-2	•	•
Wheel Kit	K2752-6	•	•
HEPA Filter Kit	K2752-1	•	•
Silencer/Outlet Duct	K2752-7	•	•
Dust Tray Lid	K2752-9	•	•

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 limits.

Lincoln Electric Product Claim - Weld fume control products manufactured by The Lincoln Electric Company are designed to be utilized as an engineering safety control to aid in achieving adequate ventilation while conducting welding or it's allied processes. The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, and the specific welding procedure and application involved. When the equipment is used as designed - and when properly installed, operated and maintained - it can be a valuable and effective tool to help employers maintain adequate ventilation in the workplace. Lincoln Electric defines adequate ventilation as that which is required to maintain occupational exposure levels below the applicable exposure limits when sound work practices are utilized. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company[®] is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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.

The Lincoln Electric Company
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.

www.lincolnelectric.com