

PRISM DOWNDRAFT

DUAL PURPOSE WORKBENCH AND EXTRACTION TABLES



Shown: Prism Down Draft and Prism Down Draft Direct

KEY FEATURES

Prism® Downdraft tables combine the strength of a durable workbench with the efficiency of integrated fume extraction for welding, grinding, and plasma cutting. Designed to capture fumes directly at the source, the integrated models feature a powerful extraction motor delivering 1750 SCFM, with 80% backdraft and 20% down-draft airflow. Ideal for small to medium-sized parts, Prism Downdraft tables offer a reliable, stationary solution for demanding fabrication environments. When you choose a fume extraction solution from Lincoln Electric, you're choosing a system designed, manufactured, and supported by the welding experts—helping to make fume management easy, every step of the way.

Available in Three Configurations:

- » **Prism Downdraft with Filter Cleaning** – Includes integrated fume extraction with automatic filter cleaning for reduced maintenance.
- » **Prism Downdraft without Filter Cleaning** – Includes integrated fume extraction with manual filter maintenance.
- » **Prism Downdraft Direct** – Does not include fans or filters; designed to connect to a central extraction system for facilities with existing infrastructure.

⁽¹⁾ Plasma Cutting Grid Kit (K2752-2) recommended.

⁽²⁾ Not suitable for grinding Aluminum, Magnesium or other explosive materials

Processes »

Stick, TIG, MIG, Flux-Cored, Plasma Cutting⁽¹⁾, Grinding⁽²⁾

Input (Models with Fan Only) »



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

Prism Downdraft Direct

K2751-9



KEY FEATURES Continued

- » **Three Stage Spark Arrestor System⁽¹⁾**: 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⁽³⁾**: 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

- » **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)

APPLICATIONS

- » Welding, Plasma Cutting & Grinding
- » General Welding & Cutting Fabrication, Stationary Production Applications, Maintenance & Repair, Education & Training

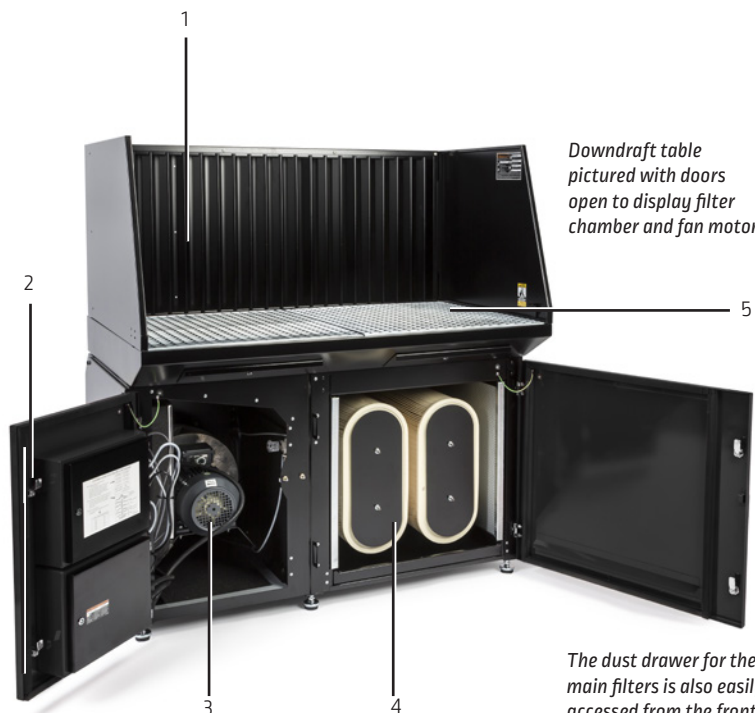
⁽¹⁾ Excludes Prism Down Draft Direct

⁽²⁾ Not suitable for grinding Aluminum, Magnesium or other explosive materials

⁽³⁾ Units with cleaning only

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.

RECOMMENDED ACCESSORIES



1. **K2752-7:** Silencer/Outlet Duct



2. **K2752-3:** Work Light Add-On Kit



3. **K2752-1:** HEPA Filter Kit



4. **K2752-5:** Motion Activated Start/Stop Sensor⁽¹⁾



5. **K2752-8:** Bench Vise Mounting Add-On Kit⁽¹⁾



6. **K2752-6:** Wheel/Caster Add-On Kit

Not Shown

K2752-2: Plasma Cutting Work Grid Kit



K2752-4: Current Activated Start/Stop Sensor⁽²⁾ (Max 50 Amps)



K2752-9: Dust Tray Lid



K2752-10: Central System Connection Kit⁽³⁾



K2752-11: Dust Container



(1) Only suitable for standard work grid

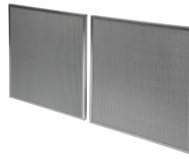
(2) For Downdraft with cleaning only

(3) For Downdraft Direct only

RECOMMENDED ACCESSORIES



KP4052-1: Pre-Spark Arrestors, down draft panel (set of 2)



K2752-12: Spark Arrestors, back draft panel (set of 2)



K2752-16: MERV 16 (HE) Filter (Set of 2)



KP2752-14: HEPA Filter (For use in K2752-1)



KP3551-1: Discharge Filter



K2752-17: Plasma Cutting Pre-filter Kit (Set of 2 for use in K2752-2)

ACCESSORIES

Product Number	Product Name	Downdraft with Cleaning	Downdraft without Cleaning	Downdraft Direct
Replacement Filters and Arrestors				
KP4052-1	Pre-Spark Arrestors, down draft panel (set of 2)	•	•	
KP2752-12	Spark Arrestors, back draft panel (set of 2)	•	•	•
KP2752-16	MERV 16 (HE) Filter (Set of 2)	•	•	
KP2752-14	HEPA Filter (For use in K2752-1)	•	•	
KP3551-1	Discharge Filter	•	•	
KP2752-17	Plasma Cutting Pre-filter Kit (Set of 2 for use in K2752-2)	•	•	•
General Accessories				
K2752-1	HEPA Filter Kit	•	•	
K2752-2	Plasma Cutting Work Grid Kit (Max 50 Amps)	•	•	•
K2752-3	Work Light Add-On Kit	•	•	•
K2752-4	Current Activated Start/Stop Sensor	•		
K2752-5	Motion Activated Start/Stop Sensor	•		
K2752-6	Wheel/Caster Add-On Kit	•	•	
K2752-7	Silencer/Outlet Duct	•	•	
K2752-8	Bench Vise Mounting Add-On Kit	•	•	•
K2752-9	Dust Tray Lid	•	•	
K2752-10	Central System Connection Kit			•
K2752-11	Dust Container			•

PRODUCT SPECIFICATIONS - PRISM DOWNDRAFT

Product Name	Product Number	Filter Type	Filter Size ft² (m²)	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	Base Units: 61.6-63.1 x 54.7 x 39.2 (1565-1603 x 1389 x 996)	683 [311]
	K2751-13			380/3/50	4.1	With Wheel/Caster Kit (K2752-6): 62.9 x 54.7 x 39.2 (1598 x 1389 x 996)	
	K2751-14			575/3/60	3.8	With Silencer/Outlet Kit (K2752-7): TBD Dimensions to come	
Prism Downdraft With Mechanized Cleaning	K2751-11	MERV 16 (HE) for medium to heavy applications. Automatic filter cleaning		208-230/460/3/60	11.7-10.5/5.4	Work Surface Height: 37 – 38.5 (940 – 978)	718 [326]
	K2751-15			380/3/50	4.1	Work Surface Area: 52 x 29 (1346 x 737)	
	K2751-16			575/3/60	3.8		

PRODUCT SPECIFICATIONS - PRISM DOWNDRAFT DIRECT

Product Name	Product Number	Ducting Size Connection in (mm)	Filter Type	Recommended Extraction Capacity CFM (m³/hr)	Pressure Drop in. WG@CFM (Pa @ m³/hr)	Dimensions H x W x D in (mm)	Working Height Adjustment in (mm)	Maximum Load Capacity lb (kg)	Weight lbs (kg)
Prism Downdraft Direct	K2751-9	12 [304.8]	No Filtration	1766 [3000]	1.3@1882 [315@3200] w/optional spark arresters: 1.8@1765 (450@3000)	54.7-61.7 x 54.1 x 36 [1389-1567 x 914.4 x 1374.1] Work surface: 53 x 29 [1346 x 737]	30.3 - 37.3 [770-947]	550 [249.4]	330 [150]

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. Welding operations may produce hazardous gases such as carbon monoxide, oxides of nitrogen, and ozone. This equipment is designed to remove welding fume particulate, not gases. Ensure that adequate make-up air ventilation is provided to the workspace to prevent potential overexposure to these gases [see AWS Fact Sheet No. 36].

Lincoln Electric, weld fume control, products are highly effective at decreasing the occurrence level of thermal events, however thermal events can still happen even if the system is operating as designed.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.

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