

PRISM® EXHAUST HOODS

SIMPLE. FLEXIBLE. COST EFFECTIVE.



Simple. Flexible. Cost Effective.

Manage your automation welding & cutting fume extraction with cost-effective simplicity. Capture fume without sacrificing quality and efficiency. With its modular design and extensive range of standard sizes, customize a PRISM® Exhaust Hood to fit your exact automation cell dimensions. Maximize your fume management strategy by pairing your hood with a PRISM or PRISM Compact system.

Processes »

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

Note: 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.

⁽¹⁾ Not suitable when grinding aluminum, magnesium, or other materials which may produce explosive dust

FEATURES:

» **Modular**

- 28 standard sizes available
- Connect hoods and expand easily
- Hoods can be trimmed to size

» **Clear Polycarbonate**

- Light weight
- Allows ambient light into work area
- Galvanized roof panel option available

» **Safety**

- Efficient air flow
- Included spark baffle

» **Weld Curtains**

- Designed to prevent arc flash
- Standard 4 ft (1.21 m) wide curtains are offered. Length can be customer specified

» **Mounting Options**

- Free standing hoods with legs
- Mounted directly on top of robotic cell
- Suspended from ceiling

THE PRISM EXHAUST HOOD ADVANTAGE

The Prism Exhaust Hood features a modular design that makes it easy to modify your system as needed. With 18 standard sizes, the system is easy to configure for your welding or automation cell.

The clear polycarbonate design allows light into the work cell in order to better see your work area.

The included spark baffle reduces the potential for welding or grinding sparks to enter the filter system. Hood has been designed to get maximum efficiency with low CFM (Cubic feet per minute).

All of these key features are backed by the brand you know and trust for the industry's lowest standard pricing available.



PRISM SINGLE HOOD CONFIGURATIONS

Part Number	Description	Width ft (m)	Length ft (m)	Area SqFT (sqM)	Number Of Inlets	Weight lbs (kg)
AD2458-1	Exhaust Hood, Prism	6.5 (1.98)	7.5 (2.28)	48.8 (14.87)	1	210 (95)
AD2458-2	Exhaust Hood, Prism	6.5 (1.98)	6.5 (1.98)	42.3 (12.89)	1	192 (87)
AD2458-3	Exhaust Hood, Prism	6.5 (1.98)	11 (3.35)	71.5 (21.79)	2	228 (103)
AD2458-4	Exhaust Hood, Prism	6.5 (1.98)	12 (3.65)	78.0 (23.77)	2	234 (106)
AD2458-5	Exhaust Hood, Prism	6.5 (1.98)	13 (3.96)	84.5 (25.75)	2	258 (117)
AD2458-6	Exhaust Hood, Prism	6.5 (1.98)	15.5 (4.72)	100.8 (30.72)	2	324 (146)
AD2458-7	Exhaust Hood, Prism	6.5 (1.98)	16.5 (5.02)	107.3 (32.70)	2	360 (163)
AD2458-8	Exhaust Hood, Prism	6.5 (1.98)	17.5 (5.33)	113.8 (34.44)	2	432 (195)
AD2458-9	Exhaust Hood, Prism	6.5 (1.98)	18.5 (5.63)	120.3 (36.66)	2	468 (212)
AD2458-10	Exhaust Hood, Prism	6.5 (1.98)	20 (6.09)	130.0 (39.62)	2	492 (223)
AD2458-11	Exhaust Hood, Prism	7.5 (2.28)	7.5 (2.28)	56.3 (17.16)	1	222 (100)
AD2458-12	Exhaust Hood, Prism	7.5 (2.28)	11 (3.35)	82.5 (25.14)	2	240 (108)
AD2458-13	Exhaust Hood, Prism	7.5 (2.28)	12 (3.65)	90.0 (27.43)	2	252 (114)
AD2458-14	Exhaust Hood, Prism	7.5 (2.28)	13 (3.96)	97.5 (29.71)	2	270 (122)
AD2458-15	Exhaust Hood, Prism	7.5 (2.28)	15.5 (4.72)	116.3 (35.35)	2	360 (163)
AD2458-16	Exhaust Hood, Prism	7.5 (2.28)	16.5 (5.02)	123.8 (37.73)	2	432 (195)
AD2458-17	Exhaust Hood, Prism	7.5 (2.28)	18.5 (5.63)	138.8 (42.06)	2	456 (206)
AD2458-18	Exhaust Hood, Prism	7.5 (2.28)	20 (6.09)	150.0 (45.72)	2	480 (217)

Hoods are designed to be trimmed for an exact fit within a robotic cell.



Hoods can be mounted side by side to span a larger area.



GALVANIZED STEEL ROOFING PANEL OPTION

Part Number	Description	Width ft (m)	Length ft (m)	Area SqFT (sqM)	Number Of Inlets	Weight lbs (kg)
AD2458-19	Exhaust Hood, Prism	6.5 (1.98)	7.5 (2.28)	48.8 (14.87)	1	260 (117)
AD2458-20	Exhaust Hood, Prism	6.5 (1.98)	6.5 (1.98)	42.3 (12.89)	1	242 (109)
AD2458-21	Exhaust Hood, Prism	6.5 (1.98)	11 (3.35)	71.5 (21.79)	2	303 (137)
AD2458-22	Exhaust Hood, Prism	6.5 (1.98)	12 (3.65)	78.0 (23.77)	2	322 (146)
AD2458-23	Exhaust Hood, Prism	6.5 (1.98)	13 (3.96)	84.5 (25.75)	2	346 (156)
AD2458-24	Exhaust Hood, Prism	6.5 (1.98)	15.5 (4.72)	100.8 (30.72)	2	424 (192)
AD2458-25	Exhaust Hood, Prism	6.5 (1.98)	16.5 (5.02)	107.3 (32.70)	2	473 (214)
AD2458-26	Exhaust Hood, Prism	6.5 (1.98)	17.5 (5.33)	113.8 (34.44)	2	557 (252)
AD2458-27	Exhaust Hood, Prism	6.5 (1.98)	18.5 (5.63)	120.3 (36.66)	2	593 (268)
AD2458-28	Exhaust Hood, Prism	6.5 (1.98)	20 (6.09)	130.0 (39.62)	2	630 (285)
AD2458-29	Exhaust Hood, Prism	7.5 (2.28)	7.5 (2.28)	56.3 (17.16)	1	281 (127)
AD2458-30	Exhaust Hood, Prism	7.5 (2.28)	11 (3.35)	82.5 (25.14)	2	328 (148)
AD2458-31	Exhaust Hood, Prism	7.5 (2.28)	12 (3.65)	90.0 (27.43)	2	355 (161)
AD2458-32	Exhaust Hood, Prism	7.5 (2.28)	13 (3.96)	97.5 (29.71)	2	373 (169)
AD2458-33	Exhaust Hood, Prism	7.5 (2.28)	15.5 (4.72)	116.3 (35.35)	2	478 (216)
AD2458-34	Exhaust Hood, Prism	7.5 (2.28)	16.5 (5.02)	123.8 (37.73)	2	564 (255)
AD2458-35	Exhaust Hood, Prism	7.5 (2.28)	18.5 (5.63)	138.8 (42.06)	2	603 (273)
AD2458-36	Exhaust Hood, Prism	7.5 (2.28)	20 (6.09)	150.0 (45.72)	2	642 (291)
AD2458-37	Exhaust Hood, Prism	6.5 (1.98)	5.5 (1.67)	35.75 (10.9)	1	175 (79)
AD2458-38	Exhaust Hood, Prism	7.5 (2.28)	5.5 (1.67)	41.25 (12.57)	1	195 (88)
AD2458-39	Exhaust Hood, Prism	6.5 (1.98)	9 (2.74)	58.5 (17.80)	1	245 (111)
AD2458-40	Exhaust Hood, Prism	7.5 (2.28)	9 (2.74)	67.5 (20.54)	1	270 (122)
AD2458-41	Exhaust Hood, Prism	6.5 (1.98)	10 (3.04)	65 (20)	2	265 (120)
AD2458-42	Exhaust Hood, Prism	7.5 (2.28)	10 (3.04)	75 (22.83)	2	300 (136)
AD2458-43	Exhaust Hood, Prism	6.5 (1.98)	14 (4.26)	91 (27.7)	2	370 (168)
AD2458-44	Exhaust Hood, Prism	7.5 (2.28)	14 (4.26)	105 (31.9)	2	385 (174)
AD2458-45	Exhaust Hood, Prism	6.5 (1.98)	8.5 (2.58)	55.25 (16.83)	1	235 (106)
AD2458-46	Exhaust Hood, Prism	7.5 (2.28)	8.5 (2.58)	63.75 (19.42)	1	255 (116)

Many other combinations are available to fit your needs. To help configure your fume extraction application, contact our Environmental Experts at:

**Call 1-888-935-3878 Option 4 for more information
or www.lincolnelectric.com/prism**

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 aide 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