FUME DOESN'T STAND A CHANCE

Prism® Wall Mount Extraction Units

Shown: Prism Wall Mount with Mechanized Cleaning dual arm, Prism Wall Mount 5-8 foot Telescopic Counter-Weight Extraction Arms and Prism 2400 Fans (also available: Prism Wall Mount Single and Dual Arms)

Prism Wall Mount Welding Fume Extractor

The Prism Wall Mount and Prism Wall Mount with Mechanized Cleaning units are stationary, wall-mounted extraction systems intended for light to medium duty, and heavy duty extraction and filtration. These fume extractors are designed for facilities with fixed work stations and limited floor space.

Prism Wall Mount:

▸ Generously Sized Disposable Filter

▸ Single and Dual Arm Capability with Optional Extended Reach up to 27 ft.

▸ Generous Airflow: 735 CFM with Prism Flexible 10 ft. or 13 ft. Extraction Arms and Prism 2400 Fan; 1,200 CFM with two Prism 2400 Fans in a Dual Arm Configuration

▸ Integrated Spark Arrestor

Prism Wall Mount with Mechanized Cleaning:

▸ Automatic Filter Cleaning Cuts Down on Filter Replacement Costs and System Maintenance

▸ Single and Dual Arm Capability with Optional Extended Reach up to 27 ft.

▸ Generous Airflow: 735 CFM with Prism Wall Mount Flexible 10 ft. or 13 ft. Extraction Arms and Prism 2400 Fan; 1,200 CFM with two Prism 2400 Fans in a Dual Arm Configuration

▸ Front Loading Filters Along with Integrated Spark Arrestor

Processes »
Stick (Prism Wall Mount for Light Duty Only), TIG, MIG, Flux-Cored (Prism Wall Mount for Light Duty Only)

Product Number »
K1654-4 Prism Wall Mount w/ MERV 14 Filter Single Arm Base Unit

K1654-5 Prism Wall Mount w/ MERV 14 Filter Dual Arm Base Unit

K1654-6 Prism Wall Mount w/ MERV 16 Filter Single Arm Base Unit

K1654-9 Prism Wall Mount w/ MERV16 Filter Dual Arm Base Unit

K3681-1 Prism Wall Mount with Mechanized Cleaning w/ MERV 16 Filter Single Arm Base Unit

K3681-2 Prism Wall Mount with Mechanized Cleaning w/ MERV 16 Filter Dual Arm Base Unit

PRISM WALL MOUNT WITH MECHANIZED CLEANING MODEL

1. Lifting Lugs
2. Built-in Exhaust Silencer
3. Integrated Pre-Filter Spark Arrestor
4. Differential Pressure Gauge —
   Alerts user when filter(s) need cleaned/replaced
5. Cleaning Cycle Indicator

6. Door Safety Switch —
   Disables cleaning cycle when door is opened
7. MERV 16 Self-cleaning, Front-loading Filters
8. Easily Removable Dust Tray
9. Tool-less / Key-less Filter Access Door

HOW TO BUILD YOUR COMPLETE PRISM WALL MOUNT SYSTEM

To order your customized Prism Wall Mount or Prism Wall Mount with Mechanized Cleaning unit, select at least one item from each of the **5 steps** below, or choose one of our One-Pak® packages (see pages 6-8) that include everything you need to get up and running.

STEP 1:

CHOOSE THE DESIRED BASE UNIT THAT COMES EQUIPPED WITH SELF-CLEANING OR DISPOSABLE FILTERS

The base unit contains complete filter unit, connection hose(s), hose clamps, and mounting bracket.

	Prism Wall Mount (available in single arm and dual arm configurations)	**Prism Wall Mount with Mechanized Cleaning** (available in single arm and dual arm configurations)
Filter	Disposable	Automatic Filter Cleaning
Single Arm	MERV 14 (K1654-4) MERV 16 (K1654-6)	MERV 16 (K3681-1)
Dual Arm	MERV 14 (K1654-5) MERV 16 (K1654-9)	MERV 16 (K3681-2)

STEP 2:

CHOOSE THE DESIRED EXTRACTION ARM(S)

One arm required for single arm base units, two arms required for dual arm base units. (Arms can be mixed and matched if desired).

TELESCOPIC ARM – Has the ability to move in and out of the normal position
FLEXIBLE ARM – The arm is set at a set length

	Telescopic 4-6 ft Counter-Weight Extraction Arm	**Telescopic 5-8 ft Counter-Weight Extraction Arm**	**Flexible 10 ft Extraction Arm**	**Flexible 13 ft Extraction Arm**	**Flexible 13 ft Low-Ceiling Extraction Arm**
Length ft (m)	4.1 - 6 (1.25 - 1.8)	5.0-8.2 (1.5-2.5)	10 (3.0)	13 (4.0)	13 (4.0)
Net Wt. lb (kg)	57 (25.8)	59.2 (27)	33 (15)	37.5 (17)	33 (15)
Product Number	K1655-15	K1655-14	K1655-8	K1655-9	K1655-13

STEP 3:

CHOOSE AN EXTRACTION ARM EXTENSION CRANE IF EXTRA REACH IS REQUIRED

One item required from each subcategory for Single Arm Base Units, two items required from each subcategory for Dual Arm Base Unit.

EXTENSION CRANE (for large work areas that require an extended reach of 7 ft. or 14 ft.) »

Once you select an Extension Crane, you will automatically need to select the Prism 4200 Fan (K1656-4).

· **Dual arm extension crane application** for Prism Wall Mount with Mechanized Cleaning only.

	Extension Crane Length: ft (m)	
	7.0 (2.0)	**14.0 (4.0)**
Extension Crane Product Number	K1671-1	K1671-2

STEP 4:

CHOOSE THE APPROPRIATE FAN FOR YOUR COMPILED UNIT

One fan is required for Single Arm Base Units, two fans required for Dual Arm Base Units.

Prism 2400 K1656-9	Prism 4200 K1656-4
1HP, fan has self-cleaning concave blades and provides an unrestricted air flow of 1200 CFM.	2HP, fan has self-cleaning concave blades and provides an unrestricted air flow of 1750 CFM Dual arm Prism 4200 Application for Prism Wall Mount with Mechanized Cleaning only *Required when adding an Extension Crane*

STEP 5:

CHOOSE THE CORRECT STARTING CONTROL(S)*

One item required from each subcategory for Single Arm Base Units, two items required from each subcategory for Dual Arm Base Unit.

Starting Control Options: Select Arc Sensor/Lamp Kit - OR - Starter/Overload Switch.

ARC SENSOR/LAMP KIT »

Turns the fan on when the arc flash is sensed. Hood mounted lamp/fan switch allows for easy manual light/fan operation.

OR

STARTER/OVERLOAD SWITCH »

Provides simple on/off operation when an Arc Sensor/Lamp Kit is NOT used.

Arc Sensor/Lamp Kit		
Volts	Prism 2400 Fan (1 HP)	Prism 4200 Fan (2 HP)
115V	K1669-4	NA
230V	K1669-4/K1750-1	K1669-10*

Starter/Overload Switch		
Volts	Prism 2400 Fan (1 HP)	Prism 4200 Fan (2 HP)
115V	K1494-2	NA
230V	K1494-3	K1494-10

NOTE: K1669-10 is 3-phase only.

OUR ONE-PAK PACKAGES HELP SIMPLIFY THE SELECTION PROCESS.
Choose from a range of options where the components have been carefully selected and bundled together. Simply order one product number for a complete system.

Prism Wall Mount

Description	Product Number	Prism Wall Mount with MERV 14 filter Base Unit		Arm Size/Type				Arc Sensor/ Lamp Kit (K1669-4)	Starter Overload Switch (K1494-2)	Wall Mounting Bracket (K1657-1)	Wall Mounting Bracket (K1657-2)	Prism 2400 Stationary Fan (K1656-9)
		Single Arm (K1654-4)	Dual Arm (K1654-5)	Flexible 10 ft (K1655-8)	Flexible 13 ft (K1655-9)	Telescopic 3-4.5 ft (K1655-10)	Telescopic 5-8 ft (K1655-14)					
Single-Arm Prism Wall Mount with MERV 14 Filter												
w/ Flexible, 10 ft Single Arm One-Pak®	K4261-2	•		•					•	•		•
w/ Flexible, 10 ft Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-6	•		•				•		•		•
w/ Flexible, 13 ft Single Arm One-Pak	K4261-3	•			•				•	•		•
w/ Telescopic 3.0 - 4.5 ft Single Arm One-Pak	K4261-4	•				•			•		•	•
w/ Telescopic 3.0 - 4.5 ft Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-7	•				•		•			•	•
w/ Telescopic 5 - 8 ft Single Arm One-Pak	K4261-5	•					•		•			•
Dual-Arm Prism Wall Mount with MERV 14 Filter												
w/ Flexible, 10 ft Dual Arm One-Pak	K4261-8		•	••					••	••		••
w/ Flexible, 10 ft Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-12		•	••				••		••		••
w/ Flexible, 13 ft Dual Arm One-Pak	K4261-9		•		••				••	••		••
w/ Telescopic 3.0 - 4.5 ft Dual Arm One-Pak	K4261-10		•			••			••		••	••
w/ Telescopic 3.0 - 4.5 ft Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-13		•			••		••			••	••
w/ Telescopic 5 - 8 ft Dual Arm One-Pak	K4261-11		•				••		••			••

• Included   •• 2 included

Prism Wall Mount with Mechanized Cleaning

| Description | Product Number | Prism Wall Mount with Mechanized Cleaning with MERV 16 Filter Base Unit | | Arm Size/Type | | | Arc Sensor/ Lamp Kit Prism 2400 115V [K1669-4] | Starter Overload Switch Prism 2400 115V [K1494-2] | Wall Mounting Bracket [K1657-1] | Prism 2400 Stationary Fan [K1656-9] |
		Single Arm [K3681-1]	Dual Arm [K3681-2]	Flexible 10 ft [K1655-8]	Flexible 13 ft [K1655-9]	Telescopic 5-8 ft [K1655-14]				
Single-Arm Prism Wall Mount with Mechanized Cleaning with MERV 16 Filter										
w/ Flexible, 10 ft	K4468-1	•		•				•	•	•
Flexible, 10 ft w/Arc Sensor/ Lamp Kit	K4468-5	•		•			•		•	•
w/ Flexible, 13 ft	K4468-8	•			•			•	•	•
w/ Telescopic 5 - 8 ft	K4468-13	•				•		•		•
w/ Telescopic 5 - 8 ft w/Arc Sensor/ Lamp Kit	K4468-15	•				•	•	•		•
Dual-ArmPrism Wall Mount with Mechanized Cleaning with MERV 16 Filter										
w/ Flexible, 10 ft w/Arc Sensor/ Lamp Kit	K4468-7		•	• •			• •		• •	• •
w/ Flexible, 13 ft	K4468-11		•		• •			• •	• •	• •
w/ Telescopic 5 - 8 ft	K4468-14		•			• •		• •		• •
w/ Telescopic 5 - 8 ft w/Arc Sensor/ Lamp Kit	K4468-16		•			• •	• •			• •

• Included   • • 2 included

Shown: K4468-1 One-Pak Package

Shown: K4468-8 One-Pak Package

Prism Wall Mount with Mechanized Cleaning

Description	Product Number	Prism Wall Mount with Mechanized Cleaning with MERV 16 Filter Base Unit		Arm Size/Type		Extension Crane, 7 ft (K1671-1)	Extension Crane, 14 ft (K1671-2)	Arc Sensor/ Lamp Kit Prism 4200 230V/3PH (K1669-10)	Starter Overload Switch Prism 4200 230V/3PH (K1494-10)	Prism 4200 Fan 230V/3PH (K1656-4)
		Single Arm (K3681-1)	Dual Arm (K3681-2)	Flexible 10 ft (K1655-8)	Flexible 13 ft (K1655-9)					
Single-Arm Prism Wall Mount with Mechanized Cleaning with MERV 16 Filter										
w/ Flexible, 10 ft, EC, 7 ft	K4468-2	•		•		•			•	•
w/ Flexible, 10 ft, EC, 14 ft	K4468-3	•		•			•		•	•
w/ Flexible, 10 ft, EC, 7 ft w/Arc Sensor/ Lamp Kit	K4468-6	•		•		•		•		•
w/ Flexible, 13 ft, EC, 7 ft	K4468-9	•			•	•			•	•
w/ Flexible, 13 ft, EC, 14 ft	K4468-10	•			•		•		•	•
Dual-Arm Prism Wall Mount with Mechanized Cleaning with MERV 16 Filter										
w/ Flexible, 10 ft, EC, 7 ft Dual Arm One-Pak	K4468-4		•	••		••			••	••
w/ Flexible, 13 ft, EC, 14 ft Dual Arm One-Pak	K4468-12		•		••		••		••	••

• Included   •• 2 included

Shown: K4468-3 One-Pak Package

Shown: K4468-9 One-Pak Package

Product Name	Product Number	Filter Type	Filter Size ft² (m²)	Base Unit H x W x D, in (mm)	Base Unit Net Wt., lb (kg)
Prism Wall Mount (MERV 14 Filter) Single Arm					
Base Unit Single Arm	K1654-4	MERV 14 Cellulose	538 (50)	36 x 32 x 28 (900 x 810 x 730)	90 (41)
w/ Flexible, 10 ft Single Arm One-Pak	K4261-2				—
w/ Flexible, 10 ft Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-6				
w/ Flexible, 13 ft Single Arm One-Pak	K4261-3				
w/ Telescopic 3.0-4.5 ft Arm Single One-Pak	K4261-4				
w/ Telescopic 3.0-4.5 ft Single Arm and Arc Sensor/Lamp Kit One-Pak	K4261-7				
w/ Telescopic 5-8 ft Counter-Weight Single Arm One-Pak	K4261-5				
Prism Wall Mount (MERV 14 Filter) Dual Arm					
Base Unit Dual Arm	K1654-5	MERV 14 Cellulose	538 (50)	36 x 32 x 28 (900 x 810 x 730)	102 (46)
w/ Flexible, 10 ft Dual Arm One-Pak	K4261-8				—
w/ Flexible,1 10 ft Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-12				
w/ Flexible, 13 ft Dual Arm One-Pak	K4261-9				
w/ Telescopic 3.0-4.5 ft Dual Arm One-Pak	K4261-10				
w/ Telescopic 3.0-4.5 ft Dual Arm and Arc Sensor/Lamp Kit One-Pak	K4261-13				
w/ Telescopic 5-8 ft Counter-Weight Dual Arm One-Pak	K4261-11				
Prism Wall Mount (MERV 16 Filter) Single Arm					
Base Unit Single Arm	K1654-6	MERV 16 NANO Coated Cellulose	538 (50)	36 x 32 x 28 (900 x 810 x 730)	90 (41)
Prism Wall Mount with Mechanized Cleaning (MERV 16 Filter) Single Arm					
Base Unit Single Arm	K3681-1	MERV 16 NANO Coated Cellulose	568 (52)	38 x 34 x 36 (970 x 860 x 910)	270 (122)
w/ Flexible, 10 ft Single Arm & Prism 2400 Fan One-Pak	K4468-1				—
w/ Flexible, 10 ft Single Arm w/ 7 ft. Ext Crane & Prism 4200 Fan One-Pak	K4468-2				
w/ Flexible, 10 ft Single Arm w/ 14 ft. Ext Crane & Prism 4200 Fan One-Pak	K4468-3				
w/ Flexible, 10 ft Single Arm w/ Arc Sensor & Prism 2400 Fan One-Pak	K4468-5				
w/ Flexible, 10 ft Single Arm w/ Arc Sensor, 7 ft Ext Crane & Prism 4200 Fan One-Pak	K4468-6				
w/ Flexible, 13 ft Single Arm & SF2400 Fan One-Pak	K4468-8				
w/ Flexible, 13 ft Single Arm w/ 7 ft Ext Crane & Prism 4200 Fan One-Pak	K4468-9				
w/ Flexible, 13 ft Single Arm w/ 14 ft Ext Crane & Prism 4200 Fan One-Pak	K4468-10				
w/ Telescopic 5-8 ft Counter-Weight Single Arm & Prism 2400 Fan One-Pak	K4468-13				
w/ Telescopic 5-8 ft Counter-Weight Single Arm w/Arc Sensor & Prism 2400 Fan One-Pak	K4468-15				
Prism Wall Mount with Mechanized Cleaning (MERV 16 Filter) Dual Arm					
Base Unit Dual Arm	K3681-2	MERV 16 NANO Coated Cellulose	568 (52)	38 x 34 x 36 (970 x 860 x 910)	290 (131)
w/ Flexible, 10 ft Dual Arm w Arc Sensor & Prism 2400 Fan One-Pak	K4468-7				—
w/ Flexible, 13 ft Dual Arm & Prism 2400 Fan One-Pak	K4468-11				
w/ Telescopic 5-8 ft Counter-Weight Dual Arm & Prism 2400 Fan One-Pak	K4468-14				
w/ Telescopic 5-8 ft Counter-Weight Dual Arm w/Arc Sensor & Prism 2400 Fan One-Pak	K4468-16				
w/ Flexible, 10 ft Dual Arm w/ 7 ft Ext Crane & Prism 4200 Fan One-Pak	K4468-4				
w/ Flexible, 13 ft Dual Arm w/ 14 ft Ext Crane & Prism 4200 Fan One-Pak	K4468-12				

GENERAL OPTIONS

Prism Wall Mount Telescopic Fume Extraction Arms
Order
K1655-10 for Telescopic 3-4.5 ft.
K1655-14 for Telescopic 5-8 ft. Counter-Weight
K1655-15 for Telescopic 4-6 ft. Counter-Weight

Prism Wall Mount Flexible Fume Extraction Arms
Order
K1655-12 for Flexible 7 ft.
K1655-8 for Flexible 10 ft.
K1655-9 for Flexible 13 ft.

Prism Wall Mount Flexible 13 ft. Low-Ceiling Fume Extraction Arm
Order K1655-13

Prism Wall Mount 7 ft. (2.13 m) and Prism Wall Mount 14 ft. (4.26 m) Extension Cranes
Order
K1671-1 for EC 7 ft.
K1671-2 for EC 14 ft.

Prism 2400 Wall Mounting Bracket
Order
K1657-1 for Flexible 10 ft. and 13 ft.
K1657-2 for Telescopic 5 ft., Flexible 7 ft. and Flexible13 ft. Low-Ceiling

Prism 2400 Fan
Order
K1656-9 for 115V
K2497-13 for 230V / 50Hz

Prism 4200 Fan
For use with an extension crane.
Input Power: 230/3/60
Order
K1656-4

Prism 2400 Starter Overload Switch
Order
K1494-2 for 115V
K1494-3 for 230V

Prism 4200 Starter Overload Switch
Order
K1494-10 for 230V / 3-phase

Arc Sensor/Lamp Kit
Order
K1669-4 for Prism 2400 Fan
K1669-10 for Prism 4200 Fan

230V Conversion Kit
Provides 230V operation of the Prism 2400 fan when using the Arc Sensor/Lamp Kit (K1669-4)
Order
K1750-1

Air Exhaust Silencer
Prism Wall Mount only
Order
K1534-2

Conversion Kit
For use to convert a Prism Wall Mount single arm system with an Prism 2400 Fan to a dual arm configuration. Two kits are required for conversion. Additional equipment required for conversion: Prism 2400 Fan and Fume Extraction Arm.

NOTE: Conversion kit for use with a Prism Wall Mount single arm system with a Prism 2400 Fan only. Single arm units using a Prism 4200 Fan connection cannot be converted to a dual arm system.
Order
K1743-3

Prism Wall Mount MERV 14 Cellulose Filter
Order
KP1673-1

Prism Wall Mount MERV 16 NANO Fiber Coated Cellulose Filter
Order
KP1673-9

Prism Wall Mount Pre-Filter
Order
KP1673-5

Prism Wall Mount Carbon Filter
Fits over KP1673-1 or KP1673-9
Order
KP1852-1

Prism Wall Mount with Mechanized Cleaning MERV 16 (HE) NANO Fiber Coated Cellulose Filter
Order
KP2752-16

Prism Wall Mount with Mechanized Cleaning Pre-Filter
Order
KP1673-6

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.

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