

# SHADOW//

COMPACT FUME EXTRACTOR





## OUR MISSION

**“TO IMPROVE THE HEALTH, SAFETY,  
AND QUALITY OF PEOPLE’S LIVES  
BY BUILDING THE BEST DUST AND  
FUME COLLECTORS ON EARTH”**

IMPERIAL SYSTEMS, INC.

B R E A T H E   B E T T E R ,   W O R K   S A F E R

# THE MOST ADVANCED & COMPACT FUME EXTRACTOR ON EARTH





# SHADOW

COMPACT FUME EXTRACTOR



## WHAT MAKES THE SHADOW RIGHT FOR YOU?

- Designed for indoor use, eliminating costs for weather protection
- Fast, easy installation, no assembly required
- Does not need to be bolted or permanently secured in place
- Noncombustible dust only saves money on explosion control features
- Integrated HEPA included
- Sprinkler head and smoke detector options available for high sparking applications
- Material collection bucket easy to access, empty, and replace; just pull lever to release bucket, empty, and roll back in
- “Plug and Play” control panel pre-wired for standard operation, so all you need is power and compressed air
- On demand pulse cleaning while the system is active for simple filter cleaning
- Built-in differential pressure gauges for easy monitoring
- Remote start capable for improved productivity



### Easy Access Panels

Tool free access panels allow for easy access to the after filter, fan, and collection container.



### Multi-Directional Inlet

The versatile inlet allows ductwork to connect with the collector from many different directions.



### Pre-Wired Control Panel

The “Plug and Play” control panel makes installation quick and easy, and allows the Shadow to be run remotely.

# 15 YEAR LIMITED

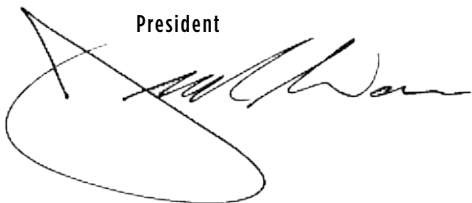
# INDUSTRY LEADING WARRANTY

## SHADOW

IMPERIAL SYSTEMS INC.

Imperial Systems, Inc. warrants to the original purchaser that the major structural components of the dust collector will be free from defects in materials and workmanship for Fifteen (15) years from the date of shipment, if properly installed, maintained and operated under normal conditions. Imperial Systems, Inc. warrants filters to be free from defects in materials and workmanship for twelve (12) months from date of shipment. Imperial Systems, Inc. does not warrant damages which are due to corrosion, abrasion, normal wear and tear, product modification or product misapplication. Imperial Systems, Inc. also makes no warranty whatsoever as to any goods manufactured or supplied by others, including, but not limited to, electric motors and control components. After Imperial Systems, Inc. has been given adequate opportunity to remedy any defects in material or workmanship, Imperial Systems, Inc. retains the sole option to accept return of the goods, with freight paid by the purchaser, and to refund the purchase price for the goods after confirming the goods are returned undamaged and in usable condition. Such a refund will be the full extent of Imperial Systems, Inc. liability. Imperial Systems, Inc. shall not be liable for any other costs, expenses or damages, whether direct, indirect, special, incidental, consequential or otherwise. The terms of this warranty may be modified only by a special warranty document signed by the President of Imperial Systems, Inc. There exist no other representations, warranties or guarantees except as stated in this paragraph. All other warranties, including merchantability and fitness for a particular purpose, whether express or implied, are hereby expressly excluded and disclaimed.

Jeremiah Wann  
President



**FAILURE TO USE GENUINE IMPERIAL  
SYSTEMS, INC. REPLACEMENT PARTS  
& FILTERS WILL VOID THIS WARRANTY.**



## ANTI-RAMP RAILS

Rails guide filter in place and stops them from overlapping each other.



## LIFT RAIL DOOR STOP

Stops the door from closing if the rails are not in the proper upright position.



## SURE STOP SYSTEM

Ensures the filters are installed properly or the door will not close, using pan indexing channel and door indexing bar.



# DELTA<sup>△</sup>MAXX<sup>TM</sup>

## PRIME

MOST ADVANCED CARTRIDGE FILTER

### SURE STOP SYSTEM

Ensures filters are installed properly



### DOUBLE GASKET

Double layer of protection to ensure a good seal

### UNIQUE PAN SHAPE

Prevents filter ramping for safety



### COMPLETELY GROUNDED

Filters are grounded to the dust collector

### 400sq. ft. OF MEDIA

More media than leading filter competitors

### OVAL DESIGN

Oval design maximizes surface area

The DeltaMAXX Prime cartridge filter is available exclusively for Imperial Systems dust collection units. This patent pending design offers a new level of safety and performance. Our Nanofiber material already sets the standard for high efficiency filtration and long filter life.

PATENT PENDING

# FEATURES

- A. Pressure Gauge
- B. Pressure Relief Valve
- C. Diaphragm Valve
- D. Header Tank
- E. Solenoid Valve
- F. Primary Filter Door
- G. Serial Tag
- H. Discharge Access Door
- I. Primary Filter Gauge
- J. After Filter Gauge
- K. Control Panel Door
- L. Fan Access Panel
- M. HEPA Filter Access Panel
- N. Electric Input
- O. Multi-Directional Inlet
- P. Shock Absorbing Feet



The easy access discharge container makes discarding your collected dust easy. Just open the door, lift the lever, slide the container out, and empty. Reverse these steps to replace.





# FOUR SIZES FOR ANY SHOP



## SH1

Filter Area (sq. ft.) - 400  
Nominal CFM Range - 200 - 1,200  
Estimated Weight (lbs.) - 1435



## SH2

Filter Area (sq. ft.) - 800  
Nominal CFM Range - 400 - 2,400  
Estimated Weight (lbs.) - 1895



## SH4

Filter Area (sq. ft.) - 1,600  
Nominal CFM Range - 800 - 4,800  
Estimated Weight (lbs.) - 2710



## SH6

Filter Area (sq. ft.) - 2,400  
Nominal CFM Range - 1,200 - 7,200  
Estimated Weight (lbs.) - 4200

# SMALL FOOTPRINT OPTIONS

## FEATURES

- A. Pressure Gauge
- B. Pressure Relief Valve
- C. Diaphragm Valve
- D. Header Tank
- E. Solenoid Valve
- F. Primary Filter Door
- G. Serial Tag
- H. Discharge Access Door
- I. Primary Filter Gauge
- J. After Filter Gauge
- K. Control Panel Door
- L. Fan Access Panel
- M. HEPA Filter Access Panel
- N. Multi-Directional Inlet
- O. Shock Absorbing Feet





#### **SH-SF4**

Filter Area (sq. ft.) - 1,600  
 Nominal CFM Range - 800 - 4,800  
 Estimated Weight (lbs.) - 2318



#### **SH-SF6**

Filter Area (sq. ft.) - 2,400  
 Nominal CFM Range - 1,200 - 7,200  
 Estimated Weight (lbs.) - 2766

**Small footprint options are available in the four cartridge and six cartridge configurations.**

## FOOTPRINT VS. HEIGHT

The Shadow has two designs to meet your needs. For those who have low height clearance or want side access to all the panels, the original Shadow design is ideal. For those who have limited floor space, the Shadow also comes in a taller design. This model puts the fan, HEPA housings, and access panels on top of the collector, shrinking the overall footprint. With these two options, the Shadow can fit into almost any available space.





**BREATHE BETTER, WORK SAFER**

**IMPERIAL SYSTEMS INC.**

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