



**United Air Specialists, Inc.**

a CLARCOR company

## *MODELS DA, DB and DBM*



Model DB

MEDIA BAG DUST/MIST COLLECTOR

*Clean air. It's what we do.™*

# Models DA, DB and DBM

A simple and economical solution for capturing harmful contaminants.



## PRACTICAL AND EFFECTIVE

DA, DB and DBM Media Bag Dust and Mist Collectors can help your plant meet OSHA requirements for employee health and safety by removing contaminants from the air. Designed as a simple and economical solution to collect dry or wet particles, these systems collect small, large or conductive materials. These multi-purpose units contain high-efficiency filters ideal for removing smoke, dust, oil mist and other pollutants from a facility.

Offering a practical and effective solution for collecting contaminants, DA, DB and DBM units come with multiple filtration options to fit your specific pollution control needs such as sub-micronic substances, oil mist or odors and gases. The filters are easy to replace and clean, and the media collection surface holds up to 30% more contaminants than comparable products— which means less frequent filter changes!



Model DA

DA, DB and DBM collectors trap airborne contaminants generated by many operations such as grinding, sanding, powder handling and more. These units are most effective in the following applications:

- Abrasive cut-off sawing
- Carbon black
- Cast iron machining
- Drilling
- Dry chemicals
- Graphic dust
- Grinding
- Lint
- Offset powder
- Oil mist
- Paint pigments
- Paper dust
- Pharmaceutical powder
- Spices
- Welding
- Wood dust



Clean air. It's what we do.™

# UNIQUE FEATURES, FLEXIBLE OPTIONS TO SOLVE YOUR AIR QUALITY PROBLEMS

Each DA, DB and DBM model has several filter options designed with flexibility to meet your particular air cleaning needs, while offering many benefits of a clean working environment. Not only do these products improve air quality and comfort in the workplace, but they provide savings of up to 80% on

energy costs by recirculating and retaining heated or cooled air. Additionally, DA, DB and DBM collectors decrease housekeeping and maintenance costs, protect employees' health and productivity, improve product quality and assist in complying with federal, state and local health standards for clean air.



## *Cabinet*

Rugged 16-gauge steel cabinet with wrap-around welded construction and 1/2-13 weld nuts in each corner for easy installation.

## *Filter Condition Indicator*

Indicator gage allows operator to visually determine filter condition and maintain peak airflow, efficiency and filter life.

## *Outlet Vanes*

Four-way directional louvers are individually adjustable to create the airflow pattern your particular application requires.

## *Prefilter*

Disposable pleated media for dry application, or oil impinger for wet particles.

## *Intermediate/ Primary Filter*

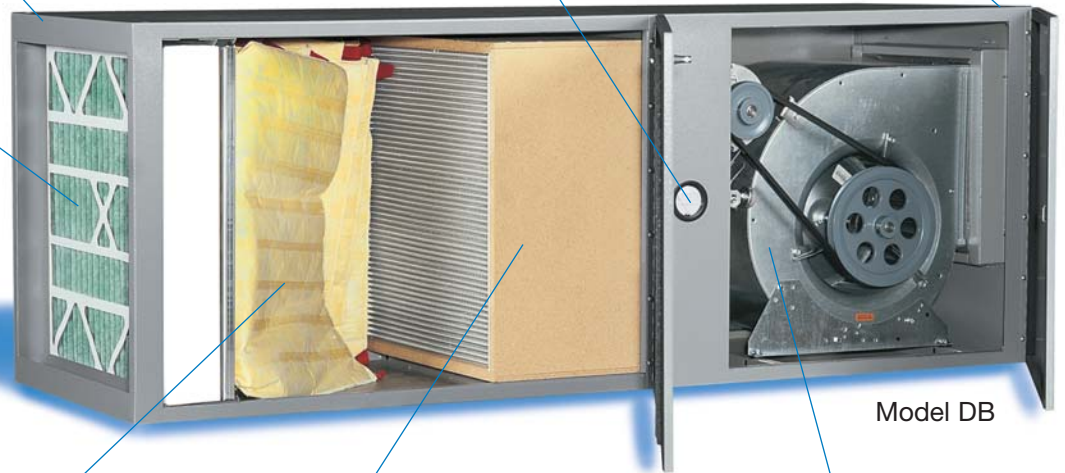
Disposable bag filter serves as primary filter on DA model, and choice of primary or intermediate filter on DBM and DB models.

## *Optional Final Filter*

Available in several configurations depending on required efficiency and application.

## *Motor/Blower*

The DA model comes standard with direct drive motor/blower assembly. DBM and DB Models come standard with belt drive motor/blower assembly.



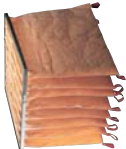





# EFFECTIVELY REMOVES HARMFUL POLLUTANTS

These superior units operate on a two- or three-stage concept of media filtration. Air enters the unit and first passes through the prefilter where larger particles are collected. Next, the air is drawn through the primary filter section for capture of smaller particles. The clean air is then recirculated into the room.



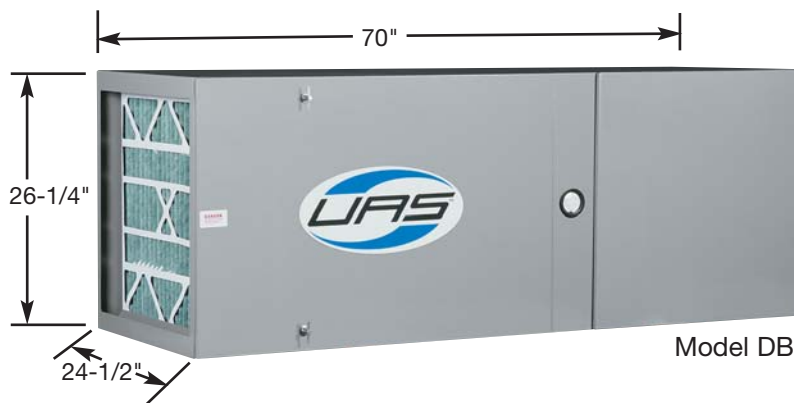
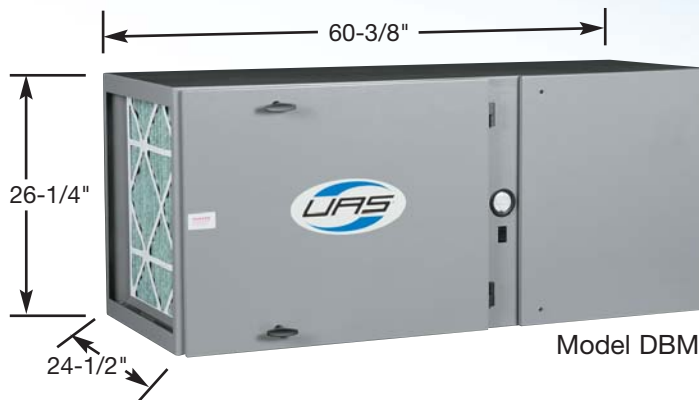
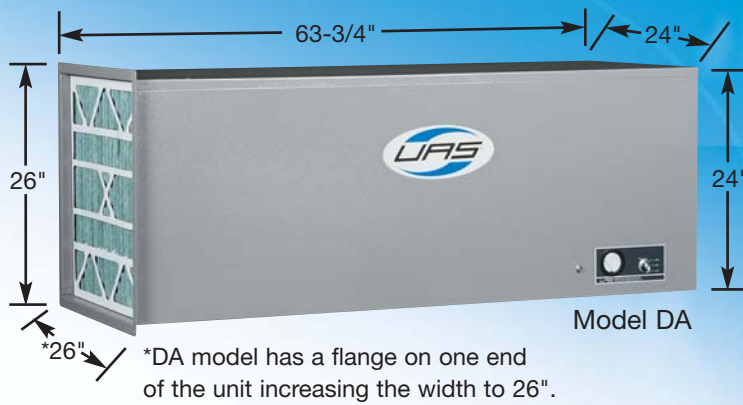
## FILTRATION OPTIONS

Filter	Description	Availability			Nominal Dimensions (HxWxD in.)	Efficiency (ASHRAE 52.1-92)	Use
		DA	DBM	DB			
	<ul style="list-style-type: none"> <li>Pleated nonwoven reinforced cotton fiber media with heavy-duty fiberboard frame</li> </ul>	■	■	■	24x24x4	35%	General
			■	■	24x24x2	35%	General
	<ul style="list-style-type: none"> <li>Aluminum mesh</li> </ul>		■	■	24x24x2	92%*	General
	<ul style="list-style-type: none"> <li>Four layers of aluminum baffles</li> <li>Permanent, impingement filter</li> </ul>		■	■	24x24x2	N/A	Oil mist
	<ul style="list-style-type: none"> <li>Ultra-fine fiberglass media with galvanized steel header frame</li> </ul>		■	■	24x24x22	65%	Use with carbon or HEPA filter
			■		24x24x29	65%	General
		■		■	24x24x36	65%	General
			■	■	24x24x22	95%	Use with carbon or HEPA filter
			■		24x24x29	95%	General
		■		■	24x24x36	95%	General
	<ul style="list-style-type: none"> <li>12-1" trays of carbon (45 lbs.) with metal frame</li> <li>12-1" trays of carbon (24 lbs.)</li> </ul>			■	24x24x12	N/A	Odor control
			■		24x24x6	N/A	Odor control
	<ul style="list-style-type: none"> <li>Waterproof glass media with particle board frame</li> </ul>			■	24x24x12	99.97%**	Clean rooms Inspection areas
			■		24x24x6	99.97%**	Clean rooms Inspection areas
	<ul style="list-style-type: none"> <li>Synthetic fiber with steel frame (attached to cabinet)</li> </ul>	■	■	■	27x60x2 (media)	92%	General

\*ASHRAE Arrestance Efficiency

\*\*Thermal DOP-Federal Standard 209A

## SIZES AND DIMENSIONS



## ADDITIONAL OPTIONS

- Drain bottles
- Drain loop assembly
- Inlet diffuser plenums
- Odor control section
- Right angle discharge plenums
- Wrap-around prefilters

### Model DA

Designed for dry particles in unducted installations, the DA model filter components are accessed through the front of the unit.

### Models DBM and DB

Both DBM and DB models can be used in ducted installations to capture contaminants at their source. Each provides flexibility by offering a wide range of filter options for both wet and dry particle applications.

## SPECIFICATIONS

Model	Nominal CFM	Horsepower	Voltage <sup>1</sup>	Full Load Amps	Hanging Weight <sup>2</sup>	Shipping Weight <sup>2</sup>
DA	2,200	3/4	115V/1/60	16.0	170 lbs./77.1 kg	200 lbs./90.7 kg
		3/4	208-230V/1/60	9.0/8.1		
DBM	1,500	1	115-230V/1/60	12.8/6.4	183 lbs./83 kg	218 lbs./99 kg
		1	230-460V/3/60	3.8/1.4		
		2	115-230V/1/60	23/11.5		
		2	230-460V/3/60	6.9/2.6		
DB	3,000	2	230-460V/3/60	6.9/2.6	270 lbs./122 kg	310 lbs./141 kg
		2	115-230V/1/60	23/11.5		
		3	230-460V/3/60	7.8/3.7		

<sup>1</sup> Other voltages available as options.

<sup>2</sup> Weights include 4" prefilter and 36" bag filter.

## WHY CHOOSE UNITED AIR SPECIALISTS?

**A world-renowned reputation.** For more than 35 years, we've been the industry leader in air quality technology — a proven track record that speaks for itself.

**Commitment to quality products.** Measuring our quality against documented expectations, we practice continuous improvement methods to anticipate challenges and implement successful solutions.

**Unparalleled customer support.** As a customer-driven solutions provider, we earn credibility and establish successful relationships by exceeding expectations for professional service and attitude.

**Innovative technical leadership.** Always, we keep technology at the forefront — ensuring continuous product advancements through ongoing investments in design and manufacturing.

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*Clean air. It's what we do.*<sup>™</sup>