

DIVERSIFIED AIR SYSTEMS, INC.

**MAXTOP™**

*Ceiling mounted air filtration units*



- *High efficiency  
99.9% @ 1 micron  
efficiency  
cartridge unit*
- *Automatic  
self-cleaning*
- *Source capture  
with MAXFLO fume arms  
or ambient air filtration*
- *Dust storage drawers*
- *Access doors to  
cartridges*

*Floor space a problem?  
Look at the top...  
Look at MAXTOP!*

***Superior technology generating substantial operating savings***

## MAXTOP *Ceiling mounted air filtration units*

**LET'S FACE IT!** Plant managers have to maximize their floor space as much as possible. So when it comes to adding a new piece of equipment, they search for the area where it will encumber the least. The MAXTOP overhead cartridge dust collector with automatic cleaning system will eliminate the worry of finding the right place for installation. Two models with various C.F.M. capacities are offered: air-in air-out design for filtering and recirculating ambient dust laden air or flanged configuration for source capture with MAXFLO fume arms.

## *Industrial Air Specialists*

With our headquarters in Louisville, Kentucky, Diversified Air Systems, Inc. has been providing quality air solutions to industrial and commercial facilities since 1981. During our more than thirty years of operation, Diversified Air Systems, Inc. has established two important company traditions: offering state-of-the-art equipment at competitive prices and achieving long-term customer satisfaction.

The staff of Diversified Air Systems, Inc. includes five application engineers, with a combined experience of more than 75 years in the air filtration and HVAC industry. Whether your facility requires an air filtration system for dust, mist, or fumes, or an HVAC solution to meet ventilation needs, Diversified Air Systems, Inc. has the equipment and expertise to meet the need.

Services include air quality analysis, system design, equipment sales, turnkey installation, onsite servicing, and supply of replacement filters and accessories.

### **Other Filtration Systems available:**

Air Cleaners

Containment Booths

Decontamination Booths

Downdraft Tables

Dust Collectors

Fans and Blowers

Gas & Odor Control

High Vacuum Systems

Mist Collectors

Paint Booths

Stainless Steel Collectors

Vehicle Exhaust Systems

Wet Dust Collectors





## MAXTOP CEILING MOUNTED AIR FILTRATION UNITS

Most of our competitors do not include these standard features :

- Spark arrestors (welding application)
- 99.9 % efficiency @ 1 micron
- Fully welded painted steel cabinet
- Reinforced frame
- Easy access removable dust drawers
- Low noise level

## TYPICAL APPLICATIONS FOR MAXTOP FILTRATION UNITS

- Welding and grinding
- Dry dust particles
- Paper dust
- Powder mixing
- Ambient air filtration and recirculation

Direct drive TEFC motor (2, 3 or 5 HP)

Removable dust storage drawers

Diaphragm valves for air pulsation

2 or 3 arm configuration

Reinforced 10 and 14 gauge painted steel cabinet

Removable access doors to filter cartridges (4 cartridges per unit)

Choice of 130 sq. ft. polyester or 260 sq. ft. cellulose cartridges (as per application)

Hanging brackets (4)

Intake louver for ambient air recirculation

Magnehelic pressure gauge (can be wall mounted)

Automatic pulse cleaning control panel

TOP

### Cartridge efficiency :

130 sq. ft. polyester : U.S. & G 99.93 @ 0.2 / 2.0 microns

130 sq. ft. polyester anti-static : U.S. & G 99.93 @ 0.2 / 2.0 microns

130 sq. ft. polyester tandem : U.S. & G 99.93 @ 0.2 / 2.0 microns  
(40% more dust holding capacity)

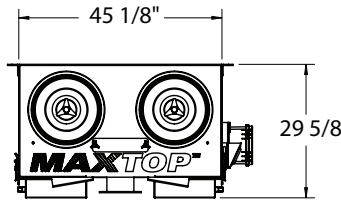
260 sq. ft. regular cellulose : U.S. & G 99.5 @ 0.2 / 2.0 microns

260 sq. ft. nanofiber : MERV 15 as ASHRAE 52.2

260 sq. ft. fire retardant : U.S. & G 99.5 or MERV 15

Note : installation must be made according to local building codes and regulations. Structure must meet sturdiness and reliability for equipment weight support.

## DIMENSIONS



With optional sound attenuator plenum

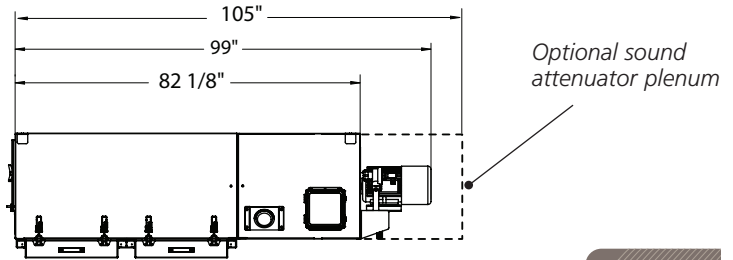


CHART 1

Model	HP / Kw	Air flow CFM / L/s	Filtration surface sq.ft. / M <sup>2</sup> (cellulose)	Filtration surface sq.ft. / M <sup>2</sup> (polyester)	Compressed air requirement (P.S.I.)	Nb. of fume arms	Weight [lbs] / [kg]
DDB4-T315-AMB	3 / 2.2	3000 / 1415	520 / 48	1040 / 96	80 – 90	N/A (inlet louvers only)	800 / 363
DDB4-T355-AMB	5 / 3.7	4500 / 2125	520 / 48	1040 / 96	80 – 90	N/A (inlet louvers only)	815 / 370
DDB4-T315-206	3 / 2.2	2200 / 1040	520 / 48	1040 / 96	80 – 90	(2) 6" X 10' / 160 mm X 3 m	940 / 427
DDB4-T355-208	5 / 3.7	3500 / 1665	520 / 48	1040 / 96	80 – 90	(2) 8" X 10' / 160 mm X 3 m	960 / 436
DDB4-T355-306	5 / 3.7	3500 / 1665	520 / 48	1040 / 96	80 – 90	(3) 6" X 10' / 160 mm X 3 m	1010 / 459

## CREATE YOUR MAXTOP FILTRATION UNIT SPECIFICATION

### 1. CEILING FILTRATION UNIT SHOULD INCLUDE :

Reinforced 10 and 14 gauge steel epoxy painted with primer cabinet, four (4) high efficiency pleated fire retardant cellulose cartridges with access doors, Magnehelic pressure gauge, dust storage drawers, electronic control panel with adjustable timer for pulse cleaning in NEMA 4 enclosure, support brackets, aluminum pre-filter, direct drive 3450 R.P.M. TEFC motor, 1" NPT compressed air connection.

### 2. MODEL TO BE :

- A) DDB4- T315-AMB
- B) DDB4- T355-AMB
- C) DDB4- T315-206
- D) DDB4- T355-208
- E) DDB4- T355-306

### 3. VOLTAGE TO BE :

- 230 / 1 / 60
- 208 / 3 / 60
- 460 / 3 / 60
- 575 / 3 / 60

### 4. STANDARD FIRE RETARDANT CARTRIDGES TO BE SUBSTITUED FOR :

- A) regular cellulose cartridges (260 sq. ft. each)
- B) nanofiber cartridges (260 sq. ft. each)
- C) polyester cartridges (130 sq. ft. each)
- D) anti-static polyester cartridges (130 sq. ft. each)
- E) tandem polyester cartridges with evenly spaced V pleats (130 sq. ft. each)

### 5. CEILING FILTRATION UNIT SHOULD INCLUDE : magnetic starter (remote installation)

### 6. CEILING FILTRATION UNIT SHOULD INCLUDE : sprinkler head (exterior piping not included)

### 7. CEILING FILTRATION UNIT SHOULD INCLUDE : sound attenuator plenum

### 8. STANDARD ADJUSTABLE TIMER FOR CARTRIDGE CLEANING TO BE SUBSTITUED FOR: differential static pressure controller

Note : specifications listed above may be modified to suit application. Contact D.A.S. or representative for information.

### Diversified Air Systems, Inc.

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Continuous product improvement is a policy of D.A.S. Inc. Product features and specifications may be modified without prior notice.