

DIVERSIFIED AIR SYSTEMS, INC.

MAXFLO™-CYCLONE

Cyclone Dust Collectors



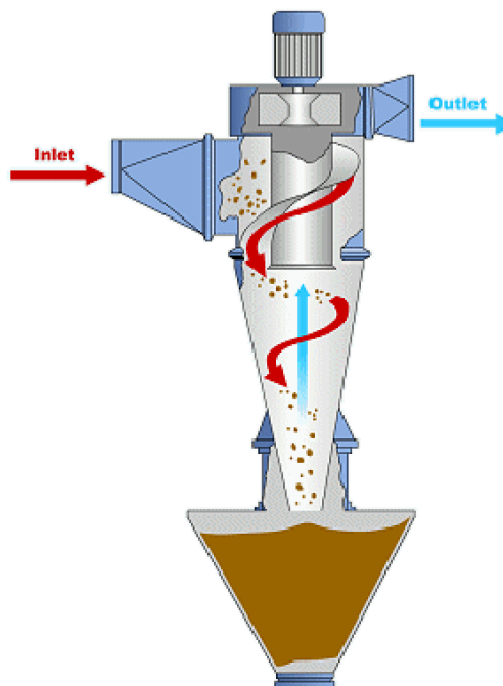
- *Efficient & cost effective dust collector*
- *Reliable & simple operation*
- *800 CFM to 13,000 CFM standard unit capacities*
- *Easy to install, easy to use, & easy to maintain*

Superior technology generating substantial operating savings

The Power in Dust Control

The MAXFLO Cyclone Separators are among the most efficient and cost-effective dust collectors available. MAXFLO Cyclones are offered in capacities from 800 CFM to 13,000 CFM and efficiently remove moderate to large sized particles from the airstream. Fans are self-cleaning, material handling, radial blades designed to deliver peak airflow while and the low horsepower conserves energy.

The centrifugal action of the Cyclone, created by rapid rotation of the high velocity air stream, forcibly precipitates the dust out through the bottom of the Cyclone and into a collection drum or hopper for the specific application. Standard dust storage capacities vary from 7.5 cu. Feet to 40 cu. Feet, with special hopper configurations available. All models can be housed indoors or outdoors.



Options

- Afterfilter assemblies
- Access doors
- Sprinkler heads
- Increased hopper clearance
- Explosion venting
- Non-sparking aluminum fan wheels
- Rotary air locks
- Silencers

Common Applications

- Woodworking
- Buffing and polishing
- Powders (material handling)
- Rubber grinding
- Abrasive cutting
- Metal grinding
- Pre-cleaning (cartridge/baghouses)

Features	Benefits
Heavy-duty construction	Long collector life
Tapered Cone design	High constant efficiency for large particulates.
No internal moving parts	Reduced maintenance
Various sizes and configurations	Wide range of capacities to meet application requirements.
Radial blade material handling fan	Delivers peak airflow with the lowest horsepower
Small footprint	Saves valuable floor space

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

Diversified Air Systems, Inc.

10801 Electron Drive, Louisville, Kentucky 40299

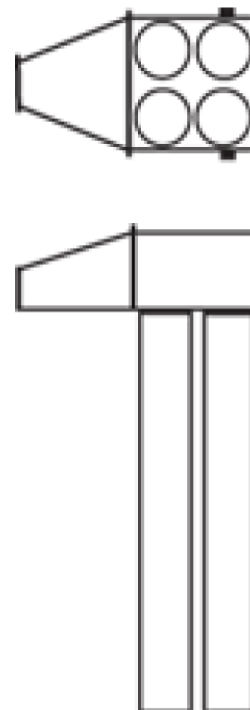
Toll free: **(800) 264-8958**

Tel.: **(502) 267-0333** • Fax: **(502) 267-4241**

Website: www.diversair.com • email: info@diversair.com

MAXFLO-CYCLONE UNIT SPECIFICATIONS

Model	CFM	STD Inlet	STD Outlet	Motor HP
MAX-162	800-1,200	6"	8"	2
MAX-203	1,250-2,000	8"	10"	3
MAX-205	1,500-2,250	8"	10"	5
MAX-247	2,000-3,500	10"	12"	7.5
MAX-2410	2,500-4,000	10"	12"	10
MAX-3010	3,000-4,500	12"	14"	10
MAX-3015	4,000-5,500	12"	14"	15
MAX-3620	4,500-7,000	14"	16"	20
MAX-3625	4,500-7,500	14"	16"	25
MAX-4030	5,000-8,000	16"	18"	30
MAX-4040	5,000-9,000	16"	18"	40
MAX-4440	8,000-11,500	18"	20"	40
MAX-4450	8,000-13,000	18"	20"	50



Model MAX-AF4

AFTERFILTER SPECIFICATIONS

Standard felt polyester afterfilters can be direct-mounted to the Cyclone or remotely installed with connecting ductwork. Filters are connected to plenum with hose clamps. Other media filters are available, as well as optional foam-lined inlet plenums for sound attenuation.

Afterfilter Model	Length	Width	No. of Filters	Filter Length	Filter Area (sq. ft.)	Cyclone Model
MAX-AF4	56"	34"	4	72"	72	162, 203, 205
MAX-AF6	69"	34"	6	72"	108	247, 2410
MAX-AF9	80"	47"	9	72"	162	247, 2410
MAX-AF12	93"	47"	12	72"	218	3010, 3015
MAX-AF18	130"	47"	18	72"	324	3620, 3625
MAX-AF24	156"	47"	24	72"	432	4030, 4040
MAX-AF27	178"	47"	27	72"	486	4030, 4040, 4440, 4450
MAX-AF36	229"	47"	36	72"	648	4440, 4450

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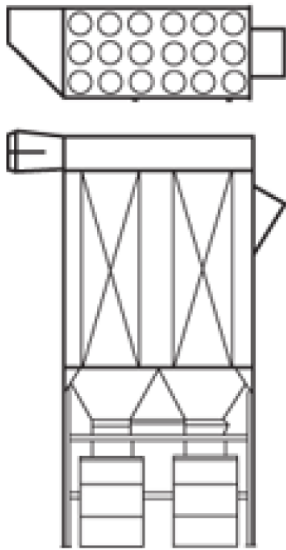
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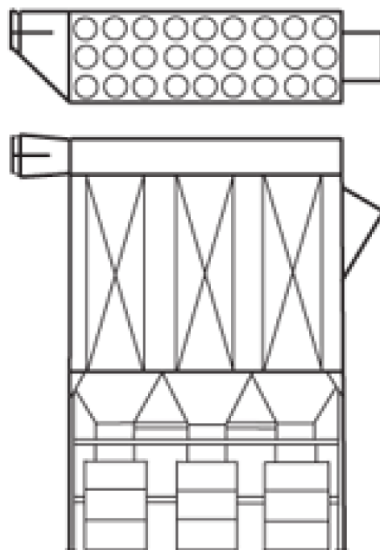
AFTERFILTER E-W SPECIFICATIONS

Housed felt polyester assembled afterfilter is connected to the Cyclone with ductwork. Other media filters are available. Standard options are weather enclosures, sprinkler heads and foam-lined inlet plenums for sound attenuation.

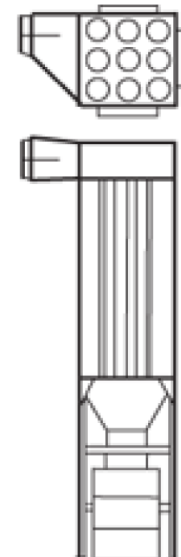
Enclosed After filter Model	Length	Width	Height	No. of Filters	Filter Area (sq. ft.)	Hopper Discharge	Cyclone Models
MAXAF-4E / W	55"	42"	144"	4	72	(1) 10"	162, 203, 205
MAXAF-6E / W	69"	42"	156"	6	108	(1) 10"	247, 2410
MAXAF-9E / W	80"	55"	156"	9	162	(1) 10"	247, 2410
MAXAF-12E / W	93"	55"	167"	12	218	(1) 10"	3010, 3015
MAXAF-18E / W	130"	55"	156"	18	324	(2) 10"	3620, 3625
MAXAF-24E / W	156"	55"	167"	24	432	(2) 10"	4030, 4040
MAXAF-27E / W	178"	55"	156"	27	486	(3) 10"	4030, 4040, 4440, 4450
MAXAF-36E / W	229"	55"	156"	36	648	(3) 10"	4440, 4450



Model MAXAF-18W



Model MAXAF-27W



Model MAXAF-9E

Notes: (E) After filter housing are designed for indoor use only. (W) After filter housings are designed for outdoor installations.

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MAXFLO Cyclone Dust Collector

The MAXFLO Cyclone Dust Collector is the most efficient and cost effective separator available. Units utilize self-cleaning material handling blowers and an internal HELIX to provide peak cleaning, separation and performance. Cyclones utilize centrifugal force to remove particles from the air stream.

Specifications & Options

	MAX-160 thru MAX-4400
Construction	11 ga./14 ga. Carbon Steel Welded Construction
Paint	Powder Coated Signal Blue
Base Unit Includes	Barrel, Cone, Leg Set, Inlet Transition & DLK
Motors/Blowers	2HP thru 50HP DD 208/230/460v/3ph/60hz
Non Spark Fan	Aluminum Fan Wheels & Inlet Cones
Motor Starters	Combo Starter NEMA 12 or Magnetic NEMA 1
Drums & Drum Lid Kit	20 or 55 Gallon Dust Drum & Drum Lid Kits
Double Drum Base	Dual 20 or 55 Gallon Dust Drum & Drum Lid Kits
Throw Out Bins	Extra Collection Bins 20, 40, 60, 110 Cu. Ft.
Scrolled Outlet	Option to Reduce Unit Height & System Static
Afterfilter Assemblies	Indoor & Outdoor Units with Manual Cleaning
Afterfilter Media	Polyester Felt Media sizes from 72 to 648 Sq. Ft.
Afterfilter Plenums	Lined AF Plenums for Sound Attenuation
Silencers	Round Silencers 72" L with Inlet Transitions
Explosion Vents	Explosion Vents with Brixon Latch (220 Kst)
Fire Suppression	Sprinkler Head(s) with Coupling (212F) 1/2" NPT
Structural Ratings	100 MPH Wind Load & Seismic Zone 4
Additional Options	Rotary Air Locks, Slide Gates, Hopper Access Doors & VFD

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