



Better Air is Our Business®

AmericanAirFilter® AAF Cyclone

Dry Centrifugal Dust Collector

Primary Collector or Precleaner

Use the AAF Cyclone as your primary collector with or without the optional after-filter, for dusts of moderate to coarse particle size. The AAF Cyclone will remove up to 99% (by weight) of dust generated by steel grinding and saw dust.

Use it as a precleaner for any of AAF's more efficient final collectors such as the ArrestAll®, OptiFlo®, or Design M FabriPulse®. By reducing the dust load on the higher efficiency final filter, a more economical final filter may be selected and a longer filter life can be obtained.

Sizes

AAF offers 11 basic selections to handle airflows from 800 CFM to 12,000 CFM. These are sized to deal with the majority of small to medium industrial dust collection applications.

No Maintenance

Unlike many dust collectors the AAF Cyclone contains no moving or replaceable parts and is essentially maintenance free. The air is drawn into the Cyclone tangentially and rotates at high velocity around the inner circumference. The heavier dust is separated from the air by centrifugal action and is deposited in the barrel or hopper.

Where to Use the AAF Cyclone

The Cyclone can be used in almost any application that generates dust particles greater than 20 microns in diameter. This includes sanding, coarse grinding, finishing, material handling, conveying, material processing, cutting, and crushing.



Typical Applications

- Woodworking
- Metalworking
- Foundries
- Plastics
- Rubber
- Chemicals
- Grains
- Food
- Coal
- Ceramics
- Rock products
- Paper (not "trim")

Options

- 55-gallon steel drum
- Hopper with rack and pinion slide gate
- Rotary airlock and receiver
- Discharge elbow with bird screen
- After-filter
- Silencer
- Ice cap for motor
- Abrasion resistant construction
- Motor starter

See AAF Cyclone drawings for additional details.

Basic Cyclone Features

- All welded heavy construction
- Internal helix
- Integral fan and motor assembly
- Rotatable blower housing
- Square to round inlet
- Flanged outlet
- Support stand for drum style
- Barrel top adapter with flexible connection

**The AAF Cyclone requires an air moving device which can be supplied as part of the Cyclone where the Cyclone is used as the primary collector. A fan is usually supplied separately when the Cyclone is used as a precleaner.*

AAF Cyclone

Selecting Your Cyclone

The following table shows the basic models that are available. Contact your AAF representative for additional details.

Size	Airflow (CFM)	Motor (HP) *1	Inlet Diam. (Inch)	Dust Storage		Approx. Dimensions (Inch)			Weight (LBS)*5
				Type	Style*3	H	W	D	
AAF-CY16-2	800 – 1,000	2	6	DRUM	D1 ONLY	108	36	36	400
AAF-CY20-3	1,000 – 1,500	3	8	DRUM	D1 ONLY	118	42	42	550
AAF-CY20-5	1,500 – 2,200	5	8	DRUM	D1 ONLY	120	42	42	650
AAF-CY24-7.5	2,000 – 3,000	7.5	10	DRUM	D1 or D2	139/163	42/50	42	900
AAF-CY30-10	3,000 – 4,000	10	14	DRUM AIRLOCK*2	D1 or D2 A	154/178 215	42/50 *4	42 *4	1,150 950
AAF-CY30-15	3,500 – 4,400	15	14	DRUM AIRLOCK*2	D1 or D2 A	159/183 215	42/50 *4	42 *4	1,200 980
AAF-CY36-20	5,000 – 7,000	20	16	DRUM AIRLOCK*2 HOPPER*2	D1 or D2 A H	190/212 254 260	66 *4 *4	66 *4 *4	2,200 2,600 2,950
AAF-CY36-25	5,500 – 7,500	25	16	DRUM AIRLOCK*2 HOPPER*2	D1 or D2 A H	201/223 265 270	66 *4 *4	66 *4 *4	2,250 2,800 3,000
AAF-CY36-30	6,000 – 8,000	30	16	DRUM AIRLOCK*2 HOPPER*2	D1 or D2 A H	201/223 265 270	66 *4 *4	66 *4 *4	2,300 2,900 3,050
AAF-CY44-40	8,000 – 11,000	40	20	AIRLOCK*2 HOPPER*2	A H	295 294	*4 *4	*4 *4	3,350 3,200
AAF-CY44-50	9,000 – 12,000	50	20	AIRLOCK*2 HOPPER*2	A H	295 294	*4 *4	*4 *4	3,600 3,300

*1 Integral fan only

*2 All dimensions include fan and motor. Airlock and hopper heights include 48 inches clearance from the Cyclone assembly outlet to ground level. The support stand for the Cyclone with airlock or hopper option is supplied by others. Modify the height accordingly depending on the height of the support stand.

*3 D1 = Single barrel dust storage

D2 = Double barrel dust storage and includes a special barrel top adapter

A = Airlock dust storage

H = Hopper dust storage

*4 These dimensions will vary with the size of the support stand, which is supplied by others, and the dust container. See note 2.

*5 The weights of the Cyclone with "Drum" style dust storage are complete (except for drum and collected dust). The weights of the Cyclone with "Hopper" and "Airlock" style dust storage do not include the weight of the support stand (the support stand for the Cyclone with airlock or hopper option is supplied by others) or the weights of the dust container and dust.

Nomenclature

AAF-CY24-7.5-D1

