



Cyclone

Dry Centrifugal Dust Collector

| Leading the Way in Dry Dust Collection Technology



POWERED BY
REDClean[®] Media



BETTER AIR IS OUR BUSINESS[®]



ENVIRONMENTAL
SOLUTIONS





The Evolution of Environmental Solutions

For more than 90 years, AAF International has been providing filtration solutions for industrial processes around the world.

Throughout our rich history, AAF International has pioneered many of the techniques used today to control airborne dust, fume and vapor in virtually every production process. Our constant passion for innovative solutions has led us to offer the most reliable, efficient and durable products available on the market today.

AAF International, a member of DAIKIN Group, also believes in valuing our people, communities and environment. Our ISO 9001 certified facilities utilize lean and green manufacturing to deliver products with short lead times and minimal environmental impact. Our people centered management philosophy enables us to deliver the best customer service and also give back to the communities in which we serve and live.





The Cyclone Advantage

Unlike many dust collectors, the Cyclone contains no moving or replaceable parts and is essentially maintenance free. 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.

Benefits

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





Applications

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





Available Options

The Cyclone can be used in almost any application that generates dust particles greater than 20 microns in diameter. Use the Cyclone as your primary collector, with or without the optional after-filter, for dusts of moderate to coarse particle size. The Cyclone will remove up to 99% (by weight) of dust generated by steel grinding and saw dust.

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

Dimensions and Specifications

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		Approximate Dimensions (Inch)			Weight (LBS) ^{*5}
				Type	Style ^{*3}	Height	Width	Depth	
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	3,500-4,500	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}	66 ^{*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}	66 ^{*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}	66 ^{*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}	3,350 3,200
AAF-CY44-50	9,000-12,000	50	20	AIRLOCK ^{*2} HOPPER ^{*2}	A H	295 294	^{*4}	^{*4}	3,600 3,300

* 1 Integral fan only

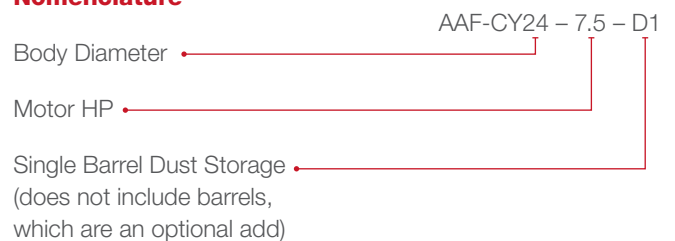
* 2 All dimensions include fan and motor. Airlock and hopper heights include 48 inches clearance from the Cyclone assembly outlet to ground level. The support stand for the Cyclone with airlock or hopper option is supplied by others. Modify the height accordingly depending on the height of the support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

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