

# CYCLOTRON SERIES

## High-Efficiency Cyclone Separators

### Heavy-Duty Performance for Heavy Dust Loads



#### Typical Applications

- Woodworking / Machining
- Scrap Metal Processing
- High-Temp Processes
- Product Recovery
- Dry Chemical Processing
- Pre-Cleaner for Media Dust Collector

#### Features

**Design Essentials for Powerful Centrifugal Force.** Long, tapered cone, high-velocity inlet, large internal helix.

**Low maintenance / efficient, quiet operation.** Direct drive, backward-inclined type blowers on the clean side of the cyclone.



#### Options

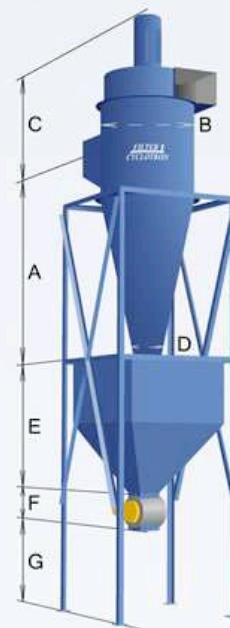
- Explosion Vents (Silencers)
- Radial Blower Wheels
- Safety-After Filters: Standard 16oz. seared felted polyester bags to fit over 55 gal. drums or with zippered bottoms.
- Drop Out Bin: Built to your specifications.
- Sprinkler Heads
- Rotary Valve

Cyclone Dust Collectors

#### Cyclotron CF Specifications and Dimensions

MODEL	Motor	CFM	Ext S. PRESS	Inlet/Outlet	WT	A (Dia.)	B	C (Dia.)	D	E	F	G
CF-18-1-D	1	750/850	6-4	6-7"	300	43	18	19	6	*	28	40
CF-19-3-D	3	850/1200	8-4.5	7-8"	400	50	19	24	6	*	28	40
CF-20-3-D	3	1250/2000	7.5-3.6	8-10"	630	64	20	25	8	*	28	40
CF-20-5-D	5	1500/2500	11.5-5	10-12"	650	64	20	25	8	*	28	40
CF-24-7-D	7.5	2000/3500	13-4.5	12-14"	750	68	24	30	10	*	28	40
CF-30-10-D	10	3000/4600	10-4.8	12-14"	1000	87	30	37	10	*	28	40
CF-30-15-D	15	4000/5800	9.5-4.7	14-16"	1200	87	30	37	10	*	28	40
CF-36-20-D	20	4200/7500	11.5-4.8	14-16"	2100	99	36	40	10	*	28	40
CF-36-25-D	25	4500/7500	15-6.2	14-16"	2200	99	36	40	10	*	28	40
CF-36-30-D	30	5000/8000	16-7	14-16"	2300	99	36	40	10	*	28	40
CF-44-25-D	25	8000/11000	15-6.2	18-20"	3100	120	44	44	12	*	28	10
CF-44-40-D	40	8000/13000	15-5	18-20"	3300	120	44	44	12	*	28	10

\*Build to Suit: Consult Factory (G) 40" Clearance Standard for 55 Gal. Drum Kit



# FILTER 1

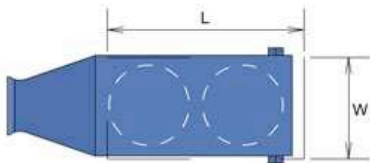
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CUSTOM SPECIALISTS FOR INDUSTRIAL NEEDS

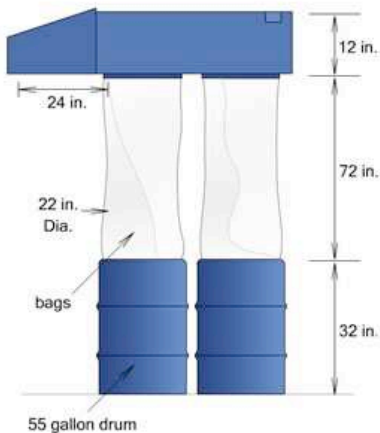
# CYCLOTRON SERIES

## Safety After-Filters for Added Efficiency

### AF SERIES



### AF 2000



### Meeting or Exceeding OSHA/EPA Standards

Filter 1's Safety After-Filters are designed to attach to the Cyclotron Separator and will remove even sub-micron sized particles, meeting OSHA requirements for circulating filtered air as well as EPA standards when venting to the outdoors.

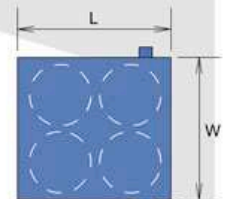
### Heavy-Duty, Broad-Spectrum Filter Media

The standard filter media is 16oz. seared, felted polyester designed to hold large dust particles to the outer edges of the material, thus forming a filter cake which heightens filtering efficiency. Dust is easily removed by gently shaking the bags.

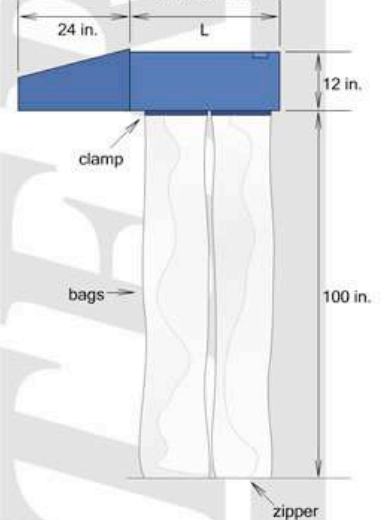
### Two Configurations

The **AF Series of After-Filters** attaches to 55-gallon drums (supplied by others), and the **AFS Series of After-Filters** uses 10" diameter bags, 100" long with zippered bottoms for removal of the collected particulate.

### AFS SERIES



### AFS 40



### Cyclotron Series

MODEL*	LxW (In.)	Filter Area	# of Filters	Range CFM	Dust Storage Cubic Feet
AF 2000	54x27	70	2	700-2800	16.5
AF 4000	54x54	140	4	1400-5600	33
AF 8000	108x54	280	8	2800-10000	66
AFS 40	27x27	104	4	1040-3000	8
AFS 80	54x27	208	8	2080-6000	16
AFS 160	108x27	416	16	4160-8000	32
AFS 240	108x40	624	24	6290-12000	48
AFS 320	108x54	832	32	8320-16000	64

\*Add a "W" to suffix of above models to indicate weather exposure using removeable galvanized panels.

Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.

# FILTER 1

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