

BRAHMTM

COLLECTOR SERIES



S36 Specifications

Working together for a crystal-clean production line

Specifications

Filter Cartridges: (36) 100% cellulose or 80/20 flame retardant media (MERV 11)

Filter Media: 226 sq. ft./media each; 8,136 sq. ft./media total

Motor/Blower: (2 each) 15 - 40 HP, direct drive, backward incline blower

Electrical Requirements: 3 Ph: 208, 240, or 460 Volt

Air Flow: 9,000 - 24,000 CFM

Pulse Nozzles: 18

Pulse Valve: (6) 1.5" pulsing valve, pulse controller for automatic or manual operation

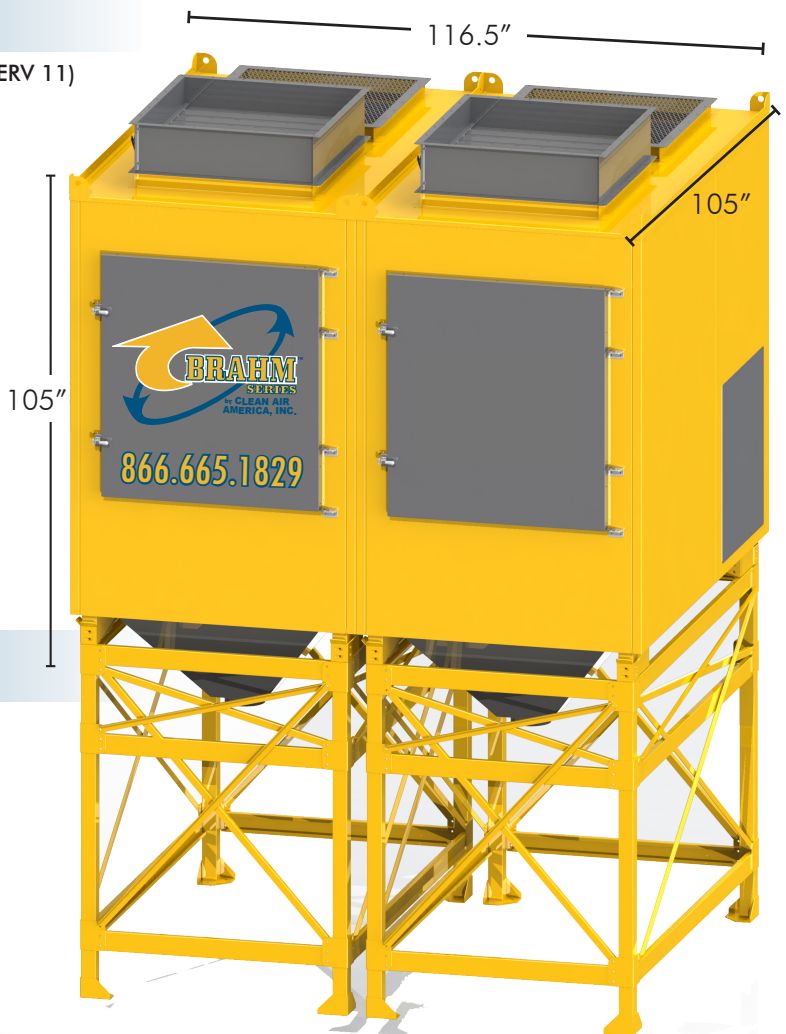
Compressed Air Requirements: 1" NPT compressed air connection; 70-100 PSI Required

Silencing: Internal noise abatement in motor/blower compartment to dampen noise

Weight Range: 6,600 - 8,200 lbs*

Dimensions of Unit: 116.5" x 105" x 105"

Electrical Package: Motor starter, controller, ON/OFF switch, pressure gauge, disconnect switch



**Weight range depends on motor, blower, accessories, etc.*

Standard Features

Electrical: NEMA 12 electrical enclosure with integrated disconnect switch, motor starter, overload, and start/stop button

Heavy Duty Construction: Fully-welded 10 & 12 gauge steel

Silencing: Internal noise abatement in motor/blower compartment to dampen noise

Sectioned Containment: Each module is contained separately, increasing performance and enabling Life Pulsing

Quick Connects: "Plug and Play" setup requires no expertise to connect electrical panel

Optional Features

SynapseTM Controller Panel: Designed to provide optimum automatic pulse cleaning and maximized energy efficiency; includes **Speed Pulsing** - Self-adapting based on the pressure inside the reservoir

Filter Upgrade: Nano Fiber (MERV 15), PTFE (MERV 16) and HEPA (H13) available

Economizer: Automatic start/stop coordinated to arc sensor

Silencer: Additional noise reduction, available in 24", 36", and 48" heights

Flexible Bulk Container Holder: Holds collection bags such as Super Sacks

Maintenance Platform: Provides easy access to filters

Dust Collection: Hopper or Dust Bin/Trolley available

Stand: Various height stands (36", 48", 60", 72", 84", 96") available to elevate unit and provide additional floor space

VFD: Variable frequency drive for soft start, increased energy savings, noise reduction, and speed control of motor

Bypass Sensor: Allows unit to detect if smoke, dust, or other contaminants are bypassing filters, and alerts user to issue

Fire Suppression System: Provides an early warning, stops motors, locks out pulsing, stops air flow by closing both intake and exhaust louvers of unit, and administers suppression agent.

Rotary Air Lock: Airlock transition point that seals against loss of air or gas while maintaining the flow of waste between collection points

Weather Protection: Awning package and additional weathertight seals in unit



PROUDLY MADE IN THE USA

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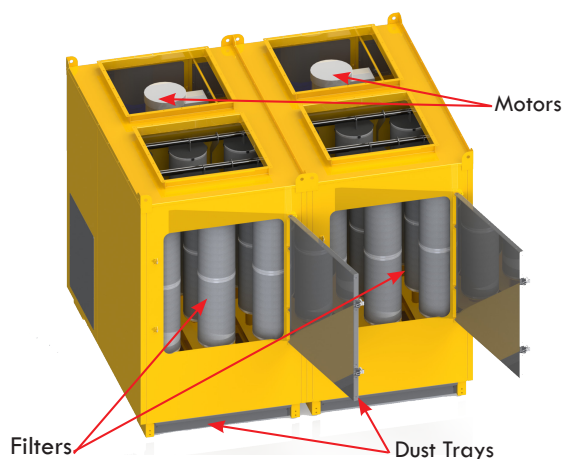
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crystal-clean production line**

BC36 Blower & Motor Configurations

Size		Max Pressure		Max Efficiency		Typical Application		Max Flow	
Blower Size	Power	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure
	(HP)	(CFM)	(in H2O)	(CFM)	(in H2O)	(CFM)	(in H2O)	(CFM)	(in H2O)
18" 82%	15HP (x2)	7600	10	12200	8.5	14800	6	18000	0
20" 52%	15HP (x2)	8000	12.5	10200	10.5	10800	10	15200	0
22" 33%	15HP (x2)	6000	15.5	8400	13	9200	11.5	12800	0
18" 109%	20HP (x2)	10800	10	16400	8.5	17000	8	24000	0
20" 69%	20HP (x2)	10400	12.5	13500	10.5	14000	10	20000	0
22" 44%	20HP (x2)	8000	15.5	11200	13	12000	11.5	16800	0
20" 86%	25HP (x2)	13000	12.5	16800	10.5	17000	10	25000	0
22" 55%	25HP (x2)	10000	15.5	13800	13.5	16000	11.5	21000	0
24" 33%	25HP (x2)	6800	19.5	11400	16.5	12800	14	16800	0
20" 103%	30HP (x2)	15000	12.5	20000	11	22000	10	30000	0
22" 67%	30HP (x2)	13000	15.5	17000	13	18000	11.5	26000	0
24" 40%	30HP (x2)	8000	19.5	13600	16.5	16000	14	20600	0
22" 88%	40HP (x2)	15000	15.5	22400	13.5	25000	11.5	33000	0
24" 54%	40HP (x2)	11000	19.5	18200	17	21000	14	28000	0

Clean Air BRAHM™ Collectors

Designed as a plug-and-play collector system, the Clean Air BRAHM™ Collectors are the most versatile, compact, and powerful cartridge collector on the market. Using the new Synapse™ Panel and driven by supply pressure, timers have been eliminated and the collector offers up to 80% faster pulsing than previous industry models.



The Clean Air Synapse™ Panel features:

- Speed Pulsing: nearly 80% faster than the industry's standard filter pulsing, driven by supply pressure.
- Touch-screen display
- Self-cleaning system utilizing proprietary controller algorithms
- Remote Monitoring: Scheduling of run time, status logging, built-in diagnostics and manuals

The Clean Air BRAHM™ BC36 also features:

- Up to 40% decreased Can Velocity: more dropout equals less maintenance and longer filter life
- Patented True Down Flow Technology with vertically positioned filters

Up to
40%
reduction in
can velocity
over previous models

With collectors ranging in size from 1 filter to 108 filters, the Clean Air BRAHM™ Series is the ideal solution for your air filtration needs.



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