

BRAHMTM

COLLECTOR SERIES



BC18 SPECIFICATIONS

Specifications

Filter Cartridges: (18) 100% cellulose or 80/20 flame retardant media (MERV 11)
Filter Media: 226 sq. ft./media each; 4,068 sq. ft./media total
Motor/Blower: 5-30 HP, direct drive, backward incline blower
Electrical Requirements: 3 Ph: 208, 240, or 460 Volt
Air Flow: 2,800 - 9,800 CFM
Pulse Nozzles: 9
Pulse Valve: (3) 1.5" pulsing valve, pulse controller for automatic or manual operation
Compressed Air Requirements: 1" NPT compressed air connection;
80-100 PSI Required
Silencing: Internal noise abatement in motor/blower compartment to dampen noise (70-85dB at 5')
Weight Range: 3,300 - 4,100 lbs*
Dimensions of Unit: 58.25" x 105" x 95"
Electrical Package: Motor starter, controller, ON/OFF switch, pressure gauge, disconnect switch

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

Optional Features

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 and maintenance points
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
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
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. (Adds 10" to height of unit)
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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Working together for a
crystal-clean production line

BC18 Blower & Motor Configurations

Size		Max Pressure		Max Efficiency		Typical Application		Max Flow	
Blower Size	Power (HP)	Flow (CFM)	Pressure (in H ₂ O)	Flow (CFM)	Pressure (in H ₂ O)	Flow (CFM)	Pressure (in H ₂ O)	Flow (CFM)	Pressure (in H ₂ O)
HL56 400 x 85-E	7.5HP	1000	11.5	2700	5.5	1950	10	3250	0
16" 77%	7.5HP	1800	7.5	4200	5.5	4000	6	5800	0
18" 41%	7.5HP	2200	10	3150	8	3700	6	4400	0
R71A2 400 x 100-E	10HP	1400	10.5	6000	0	2900	10	6000	0
16" 104%	10HP	2200	7.3	5600	5.5	5400	6	8000	0
18" 56%	10HP	3000	10	4100	8.5	5000	6	6100	0
20" 35%	10HP	2400	12.5	3400	10.5	3500	10	5100	0
18" 82%	15HP	3800	10	6100	8.5	7400	6	9000	0
20" 52%	15HP	4000	12.5	5100	10.5	5400	10	7600	0
22" 33%	15HP	3000	15.5	4200	13	4600	11.5	6400	0
18" 109%	20HP	5400	10	8200	8.5	8500	8	12000	0
20" 69%	20HP	5200	12.5	6750	10.5	7000	10	10000	0
22" 44%	20HP	4000	15.5	5600	13	6000	11.5	8400	0
20" 86%	25HP	6500	12.5	8400	10.5	8500	10	12500	0
22" 55%	25HP	5000	15.5	6900	13.5	8000	11.5	10500	0
24" 33%	25HP	3400	19.5	5700	16.5	6400	14	8400	0
20" 103%	30HP	7500	12.5	10000	11	11000	10	15000	0
22" 67%	30HP	6500	15.5	8500	13	9000	11.5	13000	0
24" 40%	30HP	4000	19.5	6800	16.5	8000	14	10300	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:

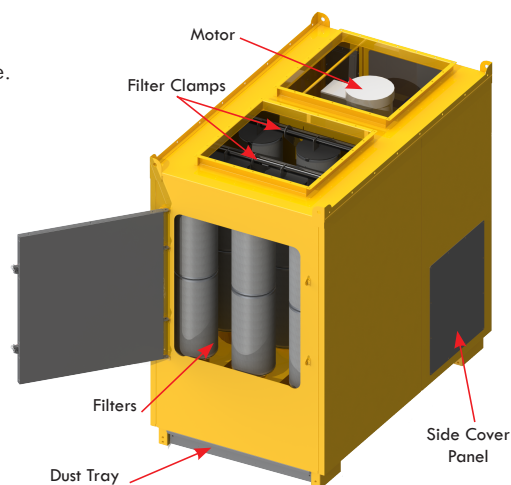
- Speed Pulsing: nearly 80% faster than the industry's standard filter pulsing, driven by supply pressure.
- Touch-screen display
- Self-cleaning system utilizing proprietary controller algorithms
- Remote Monitoring: Scheduling of run time, status logging, built-in diagnostics and manuals

The Clean Air BRAHM™ BC18 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

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.

Up to
40%
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can velocity
over previous models



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