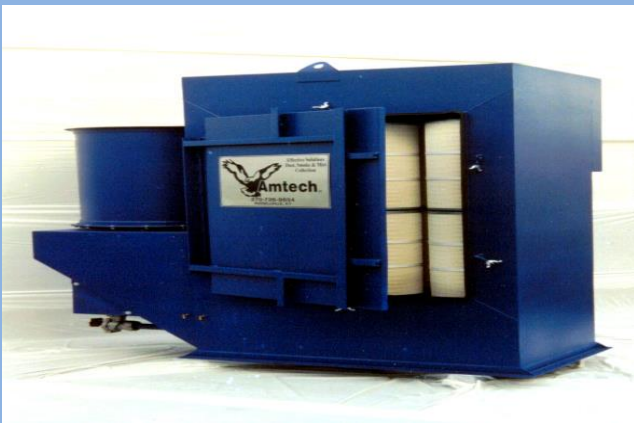
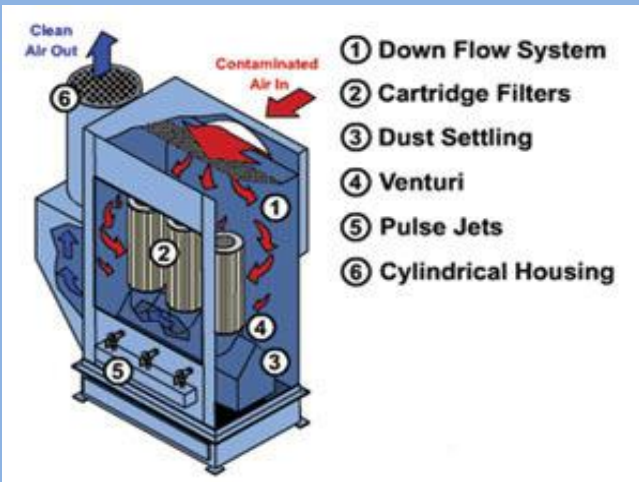


# ATV SERIES DOWNFLOW CARTRIDGE COLLECTOR



Made in the USA



Designed for Fine or Abrasive Particulate

The major obstacle to dust collection efficiency is re-entrainment, the re-filtering of dust that has been stirred up prior to settling. The goal is to dislodge the dust from the filter and allow it to settle in the hopper.

The ATV Series utilizes patented downflow/verticle technology to minimize re-entrainment and extend filter life.

Carefully managed inlet air velocity ensures that the air only flows downward, never upward or sideways. This prevents air movement below the filters where the dust has settled and results in effective cleaning while the dust collector is operating and shut down.

1. The ATV Series downflow/verticle design produces zero velocity at the base of each filter stack, allowing the dust to settle uninhibited below the cartridges, thereby eliminating re-entrainment.
2. The standard 80% cellulose 20% polyester cartridge media is high in resin content to provide mechanical resilience, and has pleat-lock construction. Standard cartridges are rated for temperature up to 160 degrees Fahrenheit. High temperature cartridges are also available. **Please contact us to make this selection.**
3. The ATV Series design allows larger dust contaminants to have a clear path to the dust settling area and finer particles to be collected by the filters.
4. Venturi reverse pulse cleaning is the quick release of pressure through a blowtube into a venturi enductor tube into a cartridge filter. A higher volume of air is induced via this principle. The resulting burst of compressed air is more equally dispersed across the filter resulting in greater cleaning effectiveness compared to typical reverse pulse cleaning.
5. Pulse jet performance and economy are maximized by optimizing the orifice size and position. There are four methods of initiating jet pulse cleaning to best fit each application.
6. The motor, fan and inlet cone are packaged into a tubular centrifugal fan arrangement for greater performance, quieter operation and simplified maintenance.

## Specifications

- Models ATV-2S thru ATV-128
- Carbon Steel Welded Construction 7 ga./11 ga.
- Powder Coat Paint Finish Amtech Blue
- Base Unit Includes Collector, Legs, Hopper & Turbo Pulse Control
- 20 or 55 Gallon Dust Drum & 14" Drum Lid Kits
- Compressed Air Reverse Jet Pulse, Dual 1.5" Valves with Manifolds
- Integral Backward Inclined Blower Class III & IV Construction , Airfoil Blades, Balanced & Tested, 2000 cfm @ 10" WG / 16,000 cfm @ 11" WG
- Ground Mount Backward Inclined Blower Class III & IV Construction, Balanced & Tested, 16,000 cfm @ 11" WG / 65,000 cfm @ 16" WG
- Motors 3HP thru 50HP DD 208/230/460v/3ph/60hz
- Variable Frequency Drive NEMA 12 & NEMA 1 or Magnetic Motor Starter
- AT-PC Turbo Digital Pulse Control & Cycle Down
- Filter Media Fire Retardant 80/20 Blend Cellulose / Polyester, Media Efficiency 99.5% @ 0.5 Micron

## Options

- Washable Dual Dimple 100% Spun Bond Polyester Filter
- Filter Media Fire Retardant Nano Fiber, Media Efficiency 99.8% @ 0.3 Micron
- Side and Abrasive Inlets Designed for Fine or Abrasive Particulate
- ATV ILC Silencers for Sound Attenuation
- ATV Explosion Vents with Membranes or Latches
- Fire Suppression Sprinkler Head(s) with Coupling (212°F) 1/2" NPT
- Handrails, Safety Gate & Bar Grate for Security
- Alternative RAL Paint Finish
- Afterfilters

- Dust Trays