

NEWS

AGET®

FOR IMMEDIATE RELEASE

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New Product Information — For Immediate Release

NEW ROTARY VALVES MAKE DUST HANDLING, DISPOSAL MORE EFFICIENT

Aget Manufacturing Company (Adrian, MI) has introduced its new Rotary Air Valve components designed for use with the company's lineup of Dustkop® dust collecting systems. The new configurations consist of 8" and 12" diameter models, both being of heavy duty fabrication and featuring six vane design with flexible tip and edge seals. The six-vane rotor blade design is said to provide superior air sealing performance as compared to typical four blade designs, yet the Aget devices are competitively priced to the standard, four-vane design products. Aget rotary valves work on the same principle as a revolving door, which keeps air pressure constant inside large buildings.

The higher level of air sealing capability of the six-vane Aget design helps to better maintain air pressures in the dust collection system for both push-through and pull-through cyclone style units where even small amounts of leakage can affect efficiency. The air seal capability of the rotary valve allows the use of open, non-sealed collection containers, such as large dumpsters or truck trailers, eliminating the need for the usual hoppers or closed 55-gallon drum units. The use of larger receptacles makes handling and disposal duties less frequent to help lower manufacturing costs.

The disposal container issue is very important for wood working applications and the machining of castings or aluminum where large quantities of course dust and bulky debris can be quickly created. Consider in these applications that the RV12-6 model's rated fill capacity is 68 cubic feet per minute at 25 RPMs, though normal industry standards for sizing valves is expressed by the expected operational capacity, typically set at 50%. That makes this model's 'working'

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NEW ROTARY VALVES MAKE DUST...../2

capacity 34 CFM, or approximately equal to 4.5 drums per minute. The RV8-6 working capacity is approximately 7.2 CFM, at the 50% fill rate, equivalent to one drum per minute.

Aget rotary valves feature heavy-duty construction for long, dependable service. The RV12-6 is fabricated using 3/8" thick plating for the sides, mating rings and end flanges...all precision laser cut. The 10 Gauge thick body material and the 2HP motor, bearings, gear reducer, sprockets and #60 roller chain are robust and high quality. The six vanes are continuously seam welded on both sides to the precision ground shaft, and reinforced in pairs with gusset plates for added strength and stability. Each blade is topped off with 3/8" thick neoprene seals that are bolted to the rotor vane using steel backing plates.

The RV8-6 features 1/4" thick side plate, mating ring and end flange fabrication materials, and is equipped with a 1HP motor and #50 size roller chain. Construction elements are otherwise the same.

Safety guarding completely encloses the chain and drive components with simple removal for inspection or preventative maintenance needs. For ease of installation, angle iron support brackets are welded to the valve body for rigid 4-point mounting.

In addition to the new rotary air valve products, Aget designs, engineers and builds full line workplace environmental purifying systems including Dustkop® recirculating, push-thru and pull-thru cyclone dust collection systems, Filterkop® fabric baghouse filtration units, and Mistkop® mist collectors, chip-mist collectors, after-filters with pull-thru exhaust, bin vent and silo vent filters, and down draft work tables, and stations. Systems are available in a variety of sizes and capacities, plus Aget offers comprehensive engineering services for custom application requirements.

NEW ROTARY VALVES MAKE DUST...../photo



AMC-101 Caption: The six-vane, or rotor blade design provides superior air sealing performance as compared to typical four blade designs.

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New Web Site Announcement

AGET ANNOUNCES NEW INFORMATION-RICH WEB SITE

Aget Manufacturing Company, (Adrian, MI), a leading manufacturer of dust and mist control equipment, and environmental air filtering systems has launched a new website, www.agetmfg.com, with easy to navigate features for finding product information quickly. Product attributes, photos, line drawings with extensive dimensional data, and technical information are provided for each of the company's product groupings that include Aget Dustkop® Cyclone Separators, Aget Filterkop® Afterfilters, Aget Mistkop® Mist Collectors, downdraft tables and rotary air locks

For navigation ease, all Aget products are accessible from each site category allowing users to continuously narrow their search for a particular product, ending at a specific size and/or feature within a series. The website also includes a search engine that can be activated by keyword or application type.

In addition to product specifications, the site includes company history, application/case studies, engineering assistance, corporate news and contact information.

Aget air cleaning and filtration equipment can provide cleaned air down to 0.3 micron levels without the use of replaceable cartridge filters. Using Aget HEPA filters, air can be cleaned to 99.97% at 0.3 micron for returning back into a building where allowed.

AGET ANNOUNCES NEW INFORMATION.../2 Photo



Photo is for reference only. Jpg file is attached as separate document.

Caption:

New Aget website includes illustrated portals accessible from each site category allowing users to continuously narrow their search from a main product group, ending at a specific size and/or feature within a series

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DOWNDRAFT TABLE WITH HOOD EXHAUST MANAGES ULTRA-FINE DUST APPLICATIONS

Aget Manufacturing Company (Adrian, MI) has announced the development of a new, dual-stage air purifying workstation that provides high efficiency particulate and contaminate capture, removal, and disposal from worker areas and environments. The new technology, consisting of an Aget conventional Downdraft Table with a backdraft booth was originally conceived in response to the critical requirements of a manufacturer of office equipment and computer periphery devices. The initial system, featuring both a two-duct exhaust booth and two collection hoppers on the lower, table section, was provided for operations involving the filling of copier, fax and printer cartridges with toner. Course particles will typically settle downward and be removed by the downdraft action, while the ultra-fine particulates become and stay airborne where they are captured by the slotted hood within the booth.

Based on that original design, Aget offers similar, multi-functional units, though each is engineered with either single or dual hoppers and one or two overhead exhaust outlets with capacities sized for specific applications. Also incorporated into the downdraft table/booth units are adjustable baffles within the slotted hood system that provide a means to control air flow and volumes and to affect proper balance of air movement between the two systems to optimize air performance. This new dual style technology unit is ideal for operations that produce fine and ultra-fine dust, smoke, fumes and other airborne toxins from woodworking, metalworking, soldering, grinding and polishing, chemical handling, and the mixing/packaging of other bulk powder materials and dry goods.

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DOWNDRAFT TABLE WITH HOOD EXHAUST...../2

Aget has 12 models of downdraft tables available, six in single hopper styles sized from 36" to 48" wide, and 30" to 48" deep. The six two-hopper units offered measure from 60" to 96" in width, and from 36" to 48" deep—all tables are 38" high. Recommended exhaust air volumes are 150 to 250 CFM per sq. ft. of surface area and are based on application requirements. The tables can be provided as bench type devices or, like the exhaust hood version, with back and side walls to form a booth-style enclosure to help contain contaminants and prevent dispersion. Each table configuration, whether of dual hopper or single hopper design, is a stand-alone module, yet they can easily be combined into multiple units to create larger workstations. The Downdraft Tables and auxiliary ducting are designed to connect to and work with central dust collection systems, such as Aget's FilterKop® filter system or its DustKop® cyclone collection and recirculation units.

As part of the downdraft table systems, hopper elbows are included, and clean out doors may be provided for access to the duct work. The units are constructed from heavy-duty, industrial grade steel with steel bar open grating for the work surface. An open mesh PVC mat is available to place over the steel grate to help protect work pieces and parts. Options include white reflective finishes inside the enclosure plus built-in lighting for high visibility.

In addition to Downdraft Tables Aget also designs, engineers and builds a full line of workplace environmental purifying systems including DustKop® recirculating, push-thru and pull-thru cyclone dust collection systems, FilterKop® fabric baghouse-style filtration units, and MistKop® mist collectors, chip-mist collectors, after-filters with pull-thru exhaust, and bins, silos and hopper filters. Systems are available in a variety of sizes and capacities, plus Aget offers comprehensive engineering services for custom application requirements. For additional information regarding Aget Manufacturing and its product line, visit www.agemfg.com.

DOWNDRAFT TABLE WITH HOOD EXHAUST...../photo



(Photo caption)

This combination Downdraft Table with complementary exhaust hood style venting from Aget Manufacturing is helping to reduce the hazards and keep the work environment and breathing space cleaner and healthier for employees filling toner cartridges at a supplier of office equipment products.

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New product information

NEW HEPA FILTERS SAVE ENERGY

Aget Manufacturing Company, (Adrian, MI) is one of North America's leading manufacturers of industrial dust collectors, mist control equipment, downdraft tables and environmental filtering systems for cleaning contaminated air without using cartridge filters. Its product line includes over 200 models of Dustkop® Cyclone Separators, Filterkop® Afterfilters, and Mistkop® Mist Collectors, all provided in a wide range of sizes, capacities and configurations.

Aget now complements this technology with a new series of HEPA Filters which when added to its filter units create a third stage of cleaning so heated or conditioned air can be safely re-circulated back into a building. This also helps balance building air pressures and enhances energy efficiency while reducing the need for make-up air. HEPA filters are tested and certified to remove 99.97% of contaminants at 0.3 micron size which means that even bacteria and allergens are trapped along with dust and removed from the returned air, helping establish a healthier building environment. HEPA filters can be retrofitted to existing Aget Dustkop/Filterkop installations, and separate HEPA modules are also available.

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For additional information regarding Aget Manufacturing and its product line, visit www.agemfg.com

NEW HEPA FILTERS SAVE ENERGY/2...Photo

Photo is for reference only. Jpg file is a separate attachment to email



(photo caption)

Aget's new series of HEPA Filters when added to its Filterkop® Filter units create a third stage of cleaning so heated or conditioned air can be safely re-circulated back into a building.

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THE COLLEGE FOR CREATIVE STUDIES GOES TO SCHOOL ON A DUST-FREE ENVIRONMENT

The Argonaut Building, located in Detroit's New Center area, was designed and constructed by the famous architect, Albert Kahn and served as the design center for General Motors from 1927 to 1956. In 1956 GM moved the design center to another location but kept the Argonaut Building in use until 1997 before donating it to the Center for Creative Studies, located in Detroit. During the following decade, the school changed its name to the College for Creative Studies and began a \$145 million total renovation of the building, renaming it The Taubman Center for Design Education. The Center for Creative Studies is one of the preeminent art and design schools in the nation and it was fitting that they became tenants as well as being a proper tribute to the design heritage established by GM.

After renovation of The Taubman Center was complete, the industrial design and interior design schools, continuing education and graduate programs relocated there. Included in this move were the model and rapid prototyping shops, which have a combined 23 machines. The model shop's 15 machines include a five-axis router, lathes,

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THE COLLEGE FOR CREATIVE STUDIES/...2

sanders, band saws, a vertical panel saw and table saws. The Rapid prototyping shop's eight machines include disc sanders, band saws, a CNC milling machine and two 3-D printers for rapid prototyping. The CCS made a strategic decision to put all these shops on the top or eleventh floor of the new building.

Neil Sackey, Manager of the model shop stated, "Most all of our machines create a lot of dust that needs to be controlled. We had a good system in the old building, but we needed to make some improvements when we moved it to the new Taubman Center." And that's when Aget Manufacturing was called in.

"We had a good working relationship with Aget" states Mr. Sackey. "They provided all the dust control equipment at our original location so we were familiar with their equipment. They were also easy to work with and had good pricing. Most of our machines have dust ports so hooking up these machines was a rather standard procedure. However, a few units did not and we wanted to eliminate the dust they created"

"For this new location Aget designed the entire system. We didn't have complete drawings for the shop space, but because Aget was familiar with our equipment they were able to get under way. After we signed-off on a print Aget did it all. We didn't have to hold their hand."

"Aget needed to calculate the volume of air that needed to be removed from the five-axis router and 3-D Rapid Prototyping printers since neither machine came equipped with dust control ports of any kind" states Mr. Sackey. "The router creates a lot of dust when operating and the 3-D printers have a lot of fine powders and binders that fly

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THE COLLEGE FOR CREATIVE STUDIES/...3

everywhere when the parts are removed.”

Aget determined that the new system would require a robust dust control unit, and with the school’s concern about equipment noise, recommended the dust control system be installed on the roof. The new system combines an Aget DustKop® Cyclone 50 hp 1800 RPM with a speed up drive and an Aget FilterKop® FH 58-3D-SP filter system to keep the shops dust-free. The FilterKop is rated 12 CFM @ 13” static pressure WC with an air cloth filter ratio of 2.8:1 @ 50% capacity.

Mike Waite, Aget project engineer and supervisor said, “We faced a lot of other challenges with this installation. Although the building had a large freight elevator for handling cars it didn’t go up to the roof so the first challenge was to get the equipment up there. This required hiring a crane to take the units top side. Then, we found that the renovation contractor had put on a new roof so we needed to make some holes and then reseal everything.”

Aget designed the system to do all the dust processing up on the roof and automatically deposit the dust into two 55 gallon drums located back on the 11th floor. Once it was determined where each machine would be located, the piping system was engineered. Inside the building the 20” dust collection intake pipe was split, east and west, to serve each shop. From there, each machine got its own intake pipe that feeds into the main intake.

Up on the roof the 23” inlet pipe goes into a 20” reducer before entering the DustKop cyclone which discharges the cleaned air into the FilterKop bag house. Instead

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THE COLLEGE FOR CREATIVE STUDIES/...4

of having three clean-out hoppers in the bottom of the FilterKop, there is a 5 hp reinjection blower system that recirculates the dust back into the cyclone eliminating the need to go on the roof for cleaning out dust. All the dust and debris is deposited back to the 11th floor through a splitter tailpipe which feeds into the two collection drums. Additionally, the recirculated air provides energy savings because there is virtually no temperature change in the returned air.

As for performance of the system, Mr. Sackey said “I’ve been a model maker for over 20 years and I’ve never seen anything like this. The problem equipment, the router and 3-D printers, are now dust-free and we are definitely impressed with how dust-free both of our shops are now in addition to how quietly the system operates.”

Besides Dustkop and FilterKop units, Aget provides additional workplace purifying systems including Mistkop[®] coolant mist filtration units for metalworking machines, downdraft tables, Hepa filters and other environmental cleaning systems, plus offers engineering services for custom application needs.