

“Simple Device Converts Any Fan Into Massive Dust Filter”

“Simple gets it done,” says Patrick Sheehan about the air filtration system he developed. Patrick learned how to control lots of air in Jet Propulsion school. But the simplicity of his Demo Air Net took about 10 years of testing different fabrics to find the one that traps dust particles down to 5 microns. That makes it ideal to work in any place with dust, debris and particles – from workshops to barns to homes under renovation. Set up is simple: slip the net/filter on the discharge end of a fan, and secure it with a bungee cord.

“I wanted it to be very durable, washable and as effective as possible,” Sheehan says. It’s also important to him that the Demo Air Net is made in the U.S. and sells for a reasonable price at \$30 to \$80 for small to large sizes, and “Industrial” sizes as well.

The former Marine Corps jet mechanic learned about moving air while in the service. As a disabled veteran, he now specializes in renovating buildings from the 1800’s, which are filled with coal dust, sediments and other nasty particles.

“The fan motor CFM equals rate of filtration,” Sheehan says. “Look at the size of the target area, figure out the cubic feet and find a fan that moves enough air for control of the room.” By moving lots of air, his nets capture pollutants before they break down

to even smaller pollutants.

The net filters an assortment of particles – dry wall, barn dust, concrete dust, animal hair and even seed dust.

“The key thing to remember about the fan is that it must be elevated on a stand to work in 360 degrees, thereby maximizing efficiency,” Sheehan says. We now have distributors in France and Canada.

He has nets for fans ranging from 9-in. dia. to 42-in. fans for very large areas. The nets are machine washable, and Sheehan has used several for years.

“Put this in a room, and it takes control of the air space. It’s like a massive vacuum keeping the air clean, we capture ‘anything’ that floats.” Sheehan says.

Demo Air Net offers a combination pack consisting of a dust proof “high velocity” motor equipped fan, and a “high volume” filter capable of filtering up to 4,000 cubic feet of air per minute”. The industrial fan/filter combinations include



Demo Air Net filter/net fits over discharge end of a fan and is secured with a bungee cord. It can be used for everything from workshops to barns and homes.

a pedestal on wheels.

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Reader Inquiry No. 86

“Easy Rider” Suspension Kit For Zero-Turn Mowers

You can drive zero-turn mowers faster and with fewer bumps with the Easy Rider Springs Suspension Kit from Nance Innovations. Retrofit new or used mowers without front end suspension, or replace poorly designed OEM suspension.

“A smoother ride saves equipment wear and also your back,” says John Nance, Nance Innovations. “Some zero-turn mower manufacturers use coil springs and shock absorbers, but these can be expensive and can still cause bouncing and gouging in some instances. The Easy Rider has rubber torsion springs that are designed with pressure up and down to immediately self center and therefore eliminate bounce and gouging.”

Nance developed the Easy Rider rubber torsion springs at the request of a local landscaping firm. After suffering several broken forks and frames, they asked Nance for help. He developed a compression and torsion damping system that fits the standard caster wheel fork systems.



Kit uses mower’s existing caster wheel forks, but reverses them.

“My kit uses the existing forks, but reverses them,” explains Nance. “With the torsion arms installed, the wheels are left at their original location and height. Installation takes 10 min. or less.”

Since the suspension elements are only under pressure when the wheels are riding up over an obstruction or dropping into a de-



Suspension kit lets you drive zero-turn riding mowers faster and with fewer bumps. It works on new or used mowers without front end suspension.

pression, there is no noticeable wear. Nance says he has had several sets on machines for 3 years with no problems.

Eventually he hopes to license the Easy Rider. Currently he is producing the kits himself. The price ranges from \$269 to \$289, depending on the make and model of mower.

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