

# Vacuum The Air In Your Shop

Welding smoke, diesel smoke, grinding and just about everything else you do in your shop puts dust particles into the air that you'd probably be better off not breathing.

Robert Hughes, owner of Air-Vac Systems, Cedar Falls, Iowa, can help keep your shop air clean. For 25 years, Hughes has been making and selling air cleaners to repair and body shops, factories, welding shops, diesel shops and other places of work. He has been selling to farmers for use in farm shops for several years.

Air-Vac air cleaners are housed in simple 16 gauge steel powder coated cabinets that measure 2 ft. square by 5 ft. long. An electric fan located at one end of the cabinet pulls the dirty air through two filter stages and exhausts the clean air back into the shop.

Air-Vac units use two types of filters. Air enters through a 4" thick pleated pre-filter and continues through an eight pocket 95% efficient bag type filter. The main filter need only be replaced once a year at a cost of \$78. The pleated pre-filter sells for \$13 and is replaced every month or two.

Installing the Air-Vac system is simple. Hughes says to mount it on a shelf or suspend it from the rafters using four chains. Air-Vac low maintenance air cleaners are equipped with a 10' power cord which plugs into any 110 volt receptacle. The unit weighs 160 lbs. and is shipped complete with filters.

The model M-25 Air-Vac will clean the air in a 2,000 sq. ft. building and sells for \$1,929. Simply add more units for larger sizes. This is important because the secret behind air cleaning equipment is having enough equipment to do the job.

Air-Vac Systems is offering a Special to all FARM SHOW readers. Regular price \$1,929. The reader's discount is \$200 so the FARM SHOW price is \$1,729.

"The Air-Vac M-30 5 stage is also available which" removes heavy odors, toxic



gases, chemical vapors and mold (see page 27).

Air-Vac Systems accept VISA, Mastercard, Discover and American Express or personal check.

Contact: FARM SHOW Followup, Robert Hughes, Air-Vac Systems, Inc., 1514 W. Lone Tree Rd., Cedar Falls, Iowa 50613 (ph 800 234-2473; cell ph 319 231-4711; fax 319 266-2524; rhughes@air-vacsystems.com; www.air-vacsystems.com).

**Reader Inquiry No. 09**

## Bulk Feed Tank Converted To "Rocket Camper"

For about \$2,000, Harry Stracener converted an old bulk feed tank into a trailer-mounted camper that looks like a rocket laid on its side. The camper has 4 metal fins attached to its sides, and four 3-gal. metal buckets on back with red reflectors inside them designed to look like afterburners.

"My friend R. L. Blair actually designed and built it. It was a fun challenge," says Stracener.

The converted feed tank has a 24-in. dia. round window on front, a 24-in. square hinged air vent with plexiglass on top, and a door with plexiglass window and a 5,000-btu air conditioner on back.

"It isn't fancy and has only a single twin bed in front," says Stracener. "The floor, walls, and ceiling are insulated and lined with plywood. But it's all I'll need. I pull it behind my 1/2-ton pickup to antique tractor shows and festivals."

Stracener got the tank from a friend who had recently bought a chicken farm. The 8-ft. tall, 7-ft. dia. tank is made of galvanized steel. Blair removed the fill hole, cone and ladder, then bolted the tank sideways onto the trailer frame. He used an 8-ft. length of 38-in. wide, 3/4-in. thick plywood to make the floor and very thin plywood to form the walls and ceiling. To form the walls he



**Trailer-mounted camper has 4 metal fins attached to bulk feed tank's sides that make it look like a rocket.**

spaced 1 by 4's 18 in. apart from the floor all the way up to a plywood ceiling that installed on top of the tank, and then ran screws into the 1 by 4's from the outside. He installed 1/2-in. thick, R-30 Styrofoam between the 1 by 4's, and then placed 4 by 8-ft. thin panels against the 1 by 4's and stapled them on.

Curved metal bracing salvaged from the ladder was used to make a frame that supports the plexiglass window on front of the camper.

"It was very awkward to work inside the tank until the floor was installed because you always had to stand at an angle. But it turned out nice. Even though I'm 6 ft. tall I still have 2 to 3 in. of head clearance," says



**Four 3-gal. metal buckets on back of camper contain red reflectors that look like afterburners.**

Stracener.

The bucket afterburners are screwed to the camper's back wall. "When you're driving behind the camper at night, the red reflectors look a lot like flames," says Stracener.

Contact: FARM SHOW Followup, Harry Stracener, 514 Tanglewood Trail, Buda, Texas 78610 (ph 512 497-1151).