

Efficient Cooling For Large Spaces

Traditional air conditioning isn't always practical or affordable for large spaces like garages or warehouses. Instead of enduring the discomfort of summer's intense heat or paying high costs for building renovations to add air conditioning, Cool Boss, a commercial cooling company, offers its evaporative air coolers to beat the heat and turn hot, uncomfortable spaces into cool, productive environments.

These portable cooling units draw in the surrounding hot air, pass it through cool water-soaked pads, and produce a refreshing breeze across shop floors, loading docks, storage facilities and other open spaces. Powered by standard 110-volt outlets, they operate with a built-in water tank or a garden hose for continuous water supply. No refrigerants or special equipment are needed. User-friendly digital controls manage swing louvers that evenly disperse cool air over a wide area.

Air temperatures can be lowered by as much as 26 degrees F without the high cost of traditional air conditioning.

"Whether you're cooling 600 sq. ft. or 6,000, there's a model that fits the job. Cool Boss can handle anything from small workstations to full production bays," says a Cool Boss spokesperson.

Available models are suitable for all space sizes from small garages and patios to large warehouses and production floors.

"It really comes down to your square footage and how much cooling power you need. On top of that, you'll avoid monthly utility



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spikes and ongoing maintenance fees. With evaporative cooling, all you need is water, an outlet, and a few minutes to get started."

The Cool Boss commercial-grade evaporative coolers cost between \$600 and \$5,000. "That might sound like a lot until you compare it to installing an industrial air conditioning system, which can easily cost tens of thousands for equipment, ductwork and installation alone," the spokesperson explains.

Contact: FARM SHOW Followup, Cool Boss by BendPak, 5240 Willis Rd., Theodore, Ala. 36582 (ph 855-223-2665; sales@coolboss.com; www.coolboss.com).

Outlet Controls Heat When It's Needed

Save money by turning on heaters only when needed with a Thermo Cube thermostatically controlled outlet. Whether it's an engine block heater, heat tape, heat lamp, or stock tank heater, why use electricity when it isn't necessary?

Plug a Farm Innovators Thermo Cube TC-3 outlet into a wall socket before connecting a heating or fan device. When you plug your cold-weather heater into the TC-3 outlet, it powers on only when the temperature falls below 35 F. When the ambient temperature exceeds 45 F, the power supply stops.

Using a TC-3 not only saves on electricity costs but also prolongs the heater's lifespan. It works with any 15-amp, 120-volt electric heater or fan used at home or on the farm.

As a secondary benefit, it converts any standard outlet into a double receptacle capable of supporting up to two devices. The company suggests using it as a freeze-warning system for furnace failure when you're away from home. Plug a lamp that's visible to a neighbor into the TC-3. It'll turn on the lamp if the furnace stops working and the temperature in the house or outbuilding drops below 35 F.

The Thermo Cube TC-3 is sold by many retailers and online stores. It usually costs



Plug your cold-weather heater into the Thermo Cube TC-3 outlet, and the heater only powers on when the temperature falls below 35 F.

around \$20, but you can find it for as low as \$14.99. Other models are available for 0 F, 20 F, and fans. Farm Innovators is a family-owned Indiana company with 40 years of experience in heating, agricultural, industrial, and home-use products.

Contact: FARM SHOW Followup, Farm Innovators, P.O. Box 452, Plymouth, Ind. 46563 (ph 574-936-5096 or 800-277-8401; service@farminnovators.com; https://farminnovators.com).

Custom 3D Knob Replacement For Electric Fencer

When Matt Steffen's family member lost the control knob of his Solar Pak 6 electric fencer, he ran into an unexpected problem.

"He couldn't tell whether the fencer was on or off," says Steffen, owner of an agriculture design business. "He called me to see if I could help and provide a practical solution."

Using his expertise in 3D design and printing, Steffen created a replacement knob with a small set screw to securely attach it

to the fencer and an arrow to clearly indicate the on or off status.

"This customization ensured the knob was not only functional but also user-friendly," Steffen says.

The process involved drawing up the model in specialized 3D software and printing several versions to test fit and functionality. While printing proceeded smoothly, the spooled plastic filament required 12 hours of drying to remove moisture before printing.

Unique Welding Rods Bind Various Metals

Successfully welding different types of metals together is a challenge for even the most experienced welders. Conflicting properties, such as melting points, solubility and thermal expansion rates, cause welds to crack, warp or form brittle intermetallic compounds. Other defects, like porosity and overall weakness, also occur.

Simple Weld developed its Simplestik 757SP welding sticks to tackle these challenges.

The 757SP welding rod stands out as the industry's most advanced and user-friendly option for joining all types of steel. Its alloyed core wire allows effective welding of mild steel, medium and high-carbon steels, stainless steel, cast steel, spring steel and tool steel.

"Widely used in repair applications, the 757SP can seamlessly join different steel types without the risk of cracking," says a Simple Weld promotional release.

Designed for ease of use, the 757SP strikes immediately without sticking to the workpiece. It delivers a soft, stable arc and creates a weld puddle that freezes quickly, making control simple in any position. The unique rod provides deep penetration and exceptionally strong weld joints, with a



Alloyed core wire allows effective welding of mild steel, medium and high-carbon steels, stainless steel, cast steel, spring steel and tool steel.

tensile strength of 180,000 PSI.

"It's so robust, the welds can't be cut with a torch."

Additionally, a moisture-resistant mineral coating helps keep the rods fresh for up to 50% longer than standard commercial welding rods.

The 757SP welding rods are priced at \$293.70, not including S&H.

Contact: FARM SHOW Followup, Simple Weld (ph 833-373-4200; support@simpleweld.com; www.simpleweld.com).

Simple Device Fixes Hydraulic Down Pressure

"Some seed drill equipment requires constant down pressure for seeding depth, and John Deere SoundGard cabs have little components to put in the tractor console to operate the hydraulic levers, but they don't work very well," says farmer Lorne Glanville. "Most hydraulics stay in position until the cylinder reaches the end of the stroke, and then they kick back out."

To solve this frustrating problem, Glanville created a small device to hold his tractor's hydraulic levers in constant down pressure and lock the valve in the operating position.

The device consists of a 5-in. long and 3/16-in. thick piece of flat iron welded at a right angle. Glanville welded a 1/4-in. rod to the top of the tractor's hydraulic valve, where



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one end of the flat iron snaps into place and attaches with a hairpin. The other end bolts into an existing threaded hole at the back of the valve.

"It works for all 30, 40, 50 and 60 series SoundGard tractor cabs," Glanville says. "It took a couple of hours and some trial and error to get it right, but eventually, I got it to work perfectly. When I don't need the down pressure, I just remove it."

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Glanville created a small device to hold his tractor's hydraulic levers in constant down pressure and lock the valve in the operating position.

The entire project was cost-effective, with material expenses around \$2.

"He was thrilled with the result and has been using the new knob ever since," Steffen says. "This experience highlights how accessible technology can provide a handy way to fix something small and demonstrates the value of practical design in everyday agriculture."

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Steffen created a replacement knob complete with a small set screw to securely attach it to the fencer and an arrow to clearly indicate the on or off status.