

## Easy-To-Install Compressed Air Piping System

This new aluminum compressed air piping system goes together with “push to connect” fittings, making it easy to install and easy to modify.

The DanAm compressed air piping system can be used to operate pneumatic tools and equipment in farm shops. It’ll handle pressures up to 232 psi. The modular design uses reinforced nylon couplers to connect runs of pipe together, making it easy to assemble, change and expand. You just cut the pipe to the length needed and press it into fittings with no tools needed. According to the company, the system can be integrated into existing copper and steel piping without compromising performance.

Unlike steel and copper lines, no threading

or soldering is required and the components are removable, reusable, interchangeable and guaranteed not to leak. Also, the aluminum pipes won’t corrode like steel and copper lines can. The company says the system is 30 to 50 percent less expensive to install than traditional systems. It’s available in 1/2 to 6-in. pipe sizes.

“We offer free quotes, as prices vary depending on your needs,” says sales and technical DanAm air specialist Brad Gravenhof.

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DanAm compressed air piping system goes together with “push to connect” fittings. The modular design uses reinforced nylon couplers (inset) to connect runs of pipe together, making it easy to assemble, change and expand.



Homemade lift pin (left) and rolling storage rack makes it easier for Joe Campoli to handle his fifth wheel hitch. He inserts lift pin into hitch and uses an overhead hoist to install or remove hitch from pickup.

### “Lift Pin” For Fifth Wheel Hitch

“I use my pickup to pull a fifth wheel camper trailer. After having to manhandle the hitch by myself a couple of times, I decided to make it easier by making a lift pin and rolling storage rack. Works great,” says Joe Campoli of Mishawaka, Ind.

He simply inserts his lift pin into the hitch and uses an overhead hoist or a forklift equipped with a 4-ft. boom to install or remove the hitch from the pickup.

To make the lift pin, he started with a 6-in. length of schedule 40 black pipe and a 6 1/2-in. long, 3/8-in. dia. steel rod, which he heated and bent into a U-shape to fit the top



of the pipe. He bored out two 1 1/4-in. flat washers to fit the bottom of the pipe, then welded the washers in place leaving a 3/4-in. gap between them where the hitch locks on.

The storage rack is made out of 1 1/2-in. angle iron that’s 1/4 in. thick. “The rack rides on 2-in. swivel caster wheels, which makes it easy to move around my shop,” says Campoli.

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Atv-pulled, trailer-mounted fence unroller makes unwinding rolls of woven wire fencing an easy job for Roland Girard of Cochrane, Ontario.

### Simple ATV-Pulled Fence Unroller

Unwinding rolls of woven wire fencing is an easy job for Roland Girard of Cochrane, Ontario, who built an ATV-pulled, trailer-mounted fence unroller.

He started with the axle and wheels off an old refrigerator dolly. He lengthened the axle and used square tubing to build a tongue and hitch. He added a plywood floor and welded a pipe to the axle that’s about the same height as the roll. A slightly larger pipe slips over the welded-on pipe and is free to rotate.

To install the fence roll, Girard flips the trailer on its side so the pipe is horizontal to the ground and then slides the roll of fence onto it.

“It works slick. The trailer is the same width as the 4-wheeler and has enough ground clearance that I can get into some difficult locations,” says Girard. “I tie the



To load fence roll, Girard flips trailer on end so pipe is parallel to ground.

wire up to a pole and drive the fence unroller to the next pole, zig zagging between the posts to create a fencing pattern that provides more strength. Once all the wire has been unrolled, I use a come-along to pull the fence tight.”

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## ATV Tree Saw Adapted To Loader Tractors, Utility Vehicles

An ATV-mounted tree saw we told you about nearly 12 years ago (Vol. 28, No. 6) is now back on the market, and with a new twist – it can also be mounted on skid steer loaders, loader tractors, and utility vehicles.

The “Tree Chopper” lets you cut down small trees on-the-go without stopping. It slices through trunks up to 4 in. in dia., yet requires no outside power source. Once the tree is cut, a metal guard on front forces it off to the side. It’ll work on any 400cc or larger ATV and on any loader bucket or utility vehicle.

“Almost everyone has a piece of equipment this saw will fit on. It costs less than almost anything else you can buy to cut small trees,” says Kelly Coover, CVR Mfg., Galesburg, Kansas.

“The manufacturer, ATV-X, Inc., quit making the Tree Chopper two years ago, so we obtained the licensing rights. We haven’t changed the cutting assembly, but we’ve made new mounting brackets. We also plan to make brackets for large riding mowers.”

The cutting assembly consists of 5 hardened steel disc blades mounted on a

V-shaped cutterbar. Two blades on front serve as pre-cutters that partially slice into the trunks. They’re followed by two 10-in. dia. blades that are only .002 in. apart and rotate on bushings as the tree trunk goes between them. A fifth blade serves as the final cutter. The tree then falls off to the side.

The entire unit is raised and lowered by attaching a lifting device such as a winch, ratchet strap, or chain to a hook on the chassis. The design allows it to float over rough terrain.

“You can’t believe how well it works until you see it in action,” says Coover. “It works a lot faster than skid loader-mounted cutters that have jaws that have to open and close. You can ride around and pop off hundreds of trees per hour. Another advantage is that it cuts the tree trunk at ground level without leaving a stump.”

The mounting bracket for ATV’s attaches to the ATV frame with 4 bolts and remains permanently on the ATV. The cutting assembly is attached to the bracket by 2 quick-release pins.

The saw can be used on loader buckets



ATV-mounted tree saw can now also be mounted on skid loaders, loader tractors, and utility vehicles. It lets you cut down small trees on-the-go without stopping.

by clamping the cutting assembly and metal guard onto the lip of the bucket, using special mounting brackets. Or, you can chain the cutting assembly to a clevis attached to a bracket that’s clamped onto the bucket. The ATV frame that supports the cutting assembly runs under the loader and attaches to the tractor’s front end. “Raising the bucket gives you a better view of the cutting assembly,”

notes Coover.

The Tree Chopper retails for \$1,650 plus S&H.

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