



## Cooling, humidifying and dust binding system

Lubing Germany, founded in 1949, specialise in developing and manufacturing climate and drinking systems for pigs.

[lubing.de](http://lubing.de)

Their Top-Climate-System has been developed for effective humidifying, cooling, dust binding, soaking and disinfection of the house air. It works according to the principle of direct evaporative cooling. Through high pressure nozzles water is injected into the house air with a pressure of 70 bar as fog. The fog evaporates immediately and causes the cooling of the house air by extracting heat.

The maximum cooling effect is

reached by the very small water particle size of 5µm, due to the high pressure and the only 0.2mm hole in the nozzle. This system cooperates successfully with any kind of climate computer and can be used with every ventilation system.

Lubing have also introduced their new EcoVario HR, which is an acid resistant stainless steel pump unit with an automatic speed regulator (frequency 6-60Hz). This way the pump can adjust the needed capacity automatically to the required volume of water.

Through this high resistant pump it is possible to use acids therefore the bacteria and germ load is reduced and this leads to a reduced use of medication.

## Fighting the battle against corrosion and energy waste

Normally metal fans are not used in swine facilities due to the aggressive environment and risk of corrosion. But now Munters has the solution. Their MPX fan series is a result of carefully tested materials in aggressive environments.

[munters.com](http://munters.com)

Since 2014, Munters factory in Italy has produced fans in Munters Protect, a coated steel with



extremely good resistance performance. In fact its protection factor is 10 times better than standard galvanised steel fans. The bolts and nuts are also made in stainless steel making the MPX fan series the most robust you can find in the industry.

Another threat to a profitable swine production operation is high energy costs.

The Munters TU chimney fan series complies with the Eco fan Directive, designed with super-efficient EC motors called Munters Drive.

During minimum ventilation in cold weather, special attention needs to be given to the variable regulation of the ventilation rate.

Tests made by the Danish Pig Research Centre show that the Munters TU chimney fan with Munters Drive delivers outstanding results for low ventilation rates, featuring the lowest energy consumption of three tested motor types (Munters Drive, Triac and Frequency regulated).

## Greater comfort and higher productivity for pigs

PigTek Americas offers pig farmers a variety of environmental control products. Sold under the Chore-Time and Fancorn brands, the environmental products offered through PigTek help producers to provide pigs with fresh clean air and consistent temperatures for greater comfort and higher productivity.

[pigtek.net](http://pigtek.net)

The Chore-Time ventilation product line-up offers producers a complete range of fans and shutters including the high-performance Endura Fan with a 144mm diameter and the company's popular Turbo Fan with 132mm diameter.

Both corrosion resistant fans offer high air-moving capacity which means pig producers need fewer fans in a house.

Both fans also feature the unique Chore-Time Hyflo Shutter designed to improve fan performance by minimising obstructions during fan operation.



To aid farmers with whole-house environmental management, the Fancorn line of Lumina Touch-Screen Controllers can be used to oversee fans, winches, evaporative cooling, inlets and heating systems.

Using the Fancorn F-central farm manager Professional Software also helps farm managers to simplify management tasks and data collec-



tion as well as to monitor and adjust conditions in multiple rooms on a farm or in multiple house installations. This user-friendly software runs on Windows-based desktop or laptop personal computers.

For efficient, hot weather relief, pig farmers like the Chore-Time Turbo-Cool Evaporative Pad Cooling System. The Turbo-Cool System features a heavy-duty, reinforced, seamless trough, a convenient open-top design, a high-performance pad and a well-designed, innovative sump tank.

## A world leader in fan efficiency and cost savings

The MagFan from DACS comes with an advanced Variable Speed Drive (VSD) and the price includes this simple to use plug-and-run device, which also facilitates installation and makes MagFan capable of running on 95% of the world's electric grid.

[dacs.dk](http://dacs.dk)

The MagFan is twice as efficient as the next best wall mount fan, but the VSD potentially offers savings on electricity in excess of 90% over conventional high end wall mount fans. The MagFan completely changes the perception of a fan. The stackable components offer

safe, ultra compact shipping, and the simplistic design and rugged construction makes it the simplest to install, easiest to run fan ever.

All components are either high grade plastics or stainless steel. MagFan is maintenance free and it is 100% recyclable.

