

# KEY FACTORS TO KEEPING ANIMALS SAFE AND COOL

“ A Koolfog misting system is an **EFFECTIVE** and **EFFICIENT SOLUTION** for cooling animal shelters and kennels. ”

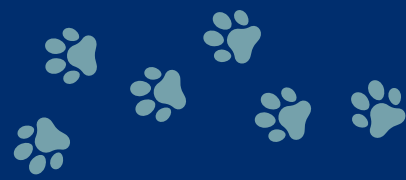
## Animal Shelters in the U.S.

According to The American Society for the Prevention of Cruelty to Animals (ASPCA), approximately 3.3 million dogs enter U.S. animal shelters nationwide every year and twenty three percent of dogs owned by people in the U.S. are adopted from animal shelters. Adopting from shelters is gaining in popularity, especially as people learn about potential issues dealing with certain breeders, such as inbreeding and cruel conditions at “puppy mills.” However, even with the rise in adoptions, the average shelter finds themselves housing hundreds of dogs at their facilities each and every year.

## Healthy Dogs Required

Shelters treat dogs with as much dignity and care as possible. They don't have a financial incentive to house dogs waiting to be adopted – instead, they operate from the desire to give abandoned animals a safe place to live and wait for their next home. Keeping dogs happy and healthy is a top priority. Healthy dogs are much more likely to get adopted, as potential owners are rarely in a position to take on costly medical bills or ongoing health issues. So, in addition to maintaining vaccinations, spay/neuter programs and a healthy diet, shelters are required to be cognizant of the general well-being of their animals.

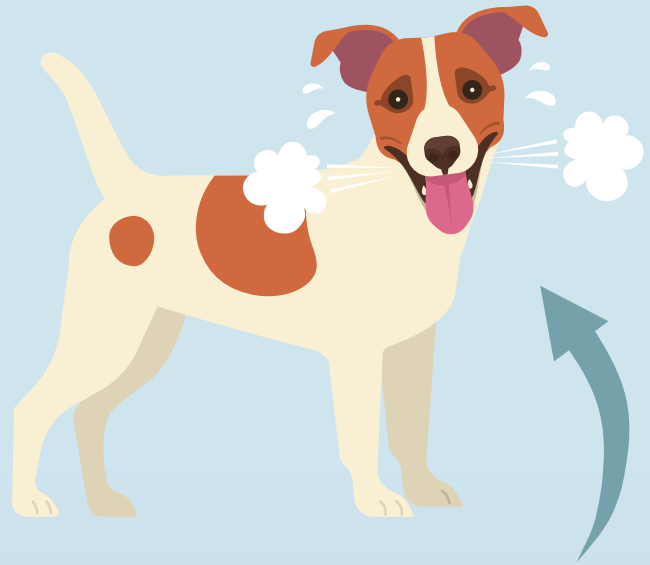




## Hot Dogs, Heat Stress

One problem that shelters face is dogs overheating in hot summer months. Many animal shelters are outdoor facilities which are exposed to the elements, but even indoor shelters can rarely afford to keep an entire facility air conditioned. Also, due to space confinements shelters are often forced to keep dogs close together or place multiple dogs in one enclosure. This extra body heat means that dogs heat up even faster.

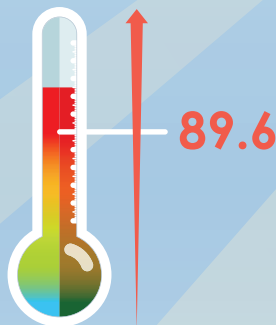
When dogs are overheated, their heart rate increases and their lungs begin to work harder to bring in extra oxygen. Unlike humans who sweat almost everywhere, dogs only sweat from areas not covered by fur, so panting is about the only way they can release extra heat. During panting, when a dog opens its mouth and sticks out its tongue, it breathes in through its nose and out through its mouth. This makes air pass over the tongue which evaporates saliva and moisture and cools down the tongue. This process eventually spreads the cooling effect throughout the body. But when temperatures exceed 89.6 degrees Fahrenheit, panting alone is not enough. Heat stress and heat stroke may occur. Dogs become lethargic, have upset stomachs, pass out or even die if the situation is left unattended for too long. Implementing misting systems in animal shelters is an excellent solution to combat heat related maladies.



Dogs release most of their heat through **panting**.



But when temperatures exceed **89.6 degrees Fahrenheit**, panting alone is not enough.

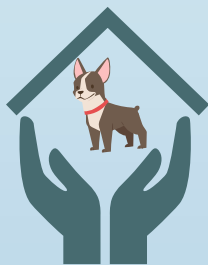


## How It Works

The process is this. Operating at pressures of 1000 psi+ Koolfog produces micron-sized water droplets that, while evaporating and turning to vapor, removes heat from the air, cooling the surrounding area. The dry fog produced by a Koolfog system reduces temperatures by as much as 35 degrees Fahrenheit, which makes even 100+ degree days comfortable. Systems are customizable and can be expanded to fit large common areas or designed to target individual spaces. Our systems have been proven to help keep animals safe and comfortable, even in extremely warm temperatures.

## For Profit Facilities

While shelters may not be concerned about the financial benefits of a misting system, for-profit kennels and “dog hotels” boast a competitive advantage by offering a cool, safe environment for dogs under their care. Most facilities seek to create a unique and unforgettable experience for dogs and owners alike. They know that pet owners want to feel like their dogs are being given star quality treatment. What better way than visibly demonstrating that their facilities have thought of everything?



**Extra measures**  
must be taken to ensure that a  
dog's environment is safe.



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