

## PET FOOD PROCESSING SOLUTIONS

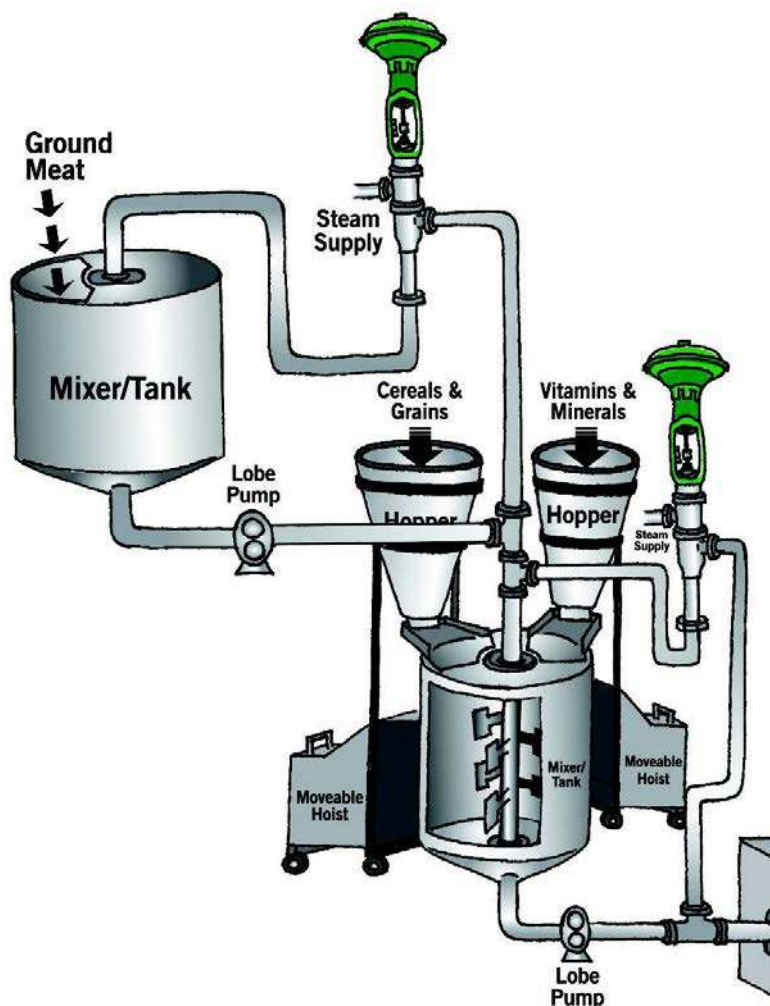
Over 80 years of direct steam heating experience has allowed Hydro-Thermal (HTC) to become experts in many fields ranging from pulp and paper mills to meat processors to pet food plants. Since our product is highly technical, we have expert engineers on staff who take our standard applications and products and can adjust them to specific customer needs.

We have worked with a number of the largest and most innovative pet food processors in the world. We have five distinct and recognized ways to achieve control over the taste profile, increase the ability to ensure food safety, and provide energy savings of at least 15-20%.

Our most popular Hydro-Thermal application in the pet food world is the meat slurry process:

### Meat Slurry

Our proven technology reaches the proper temperature for a consistent and uniform cooking process in a single pass. From taking frozen blocks to grinding to heating/cooking the slurry to 160°F (71°C), we can make this a continuous, smooth process eliminating batch time and optimizing consistent quality. There is virtually no burn on or plugging of the system, which results in less maintenance and total uptime. We know that consistent, good tasting pet food that alleviates food safety concerns is your #1 priority.



### In-Line Flavor System

Another area that HTC makes a significant impact is in the in-line flavor system. Our efficiencies in the in-line flavor process allow us to flavor your pet food in a spray process that allows for a cost-effective way to provide your pet food consumers with recognized and repeatable taste.

### Water and Cleaning Applications

Hydro-Thermal is known for our water and cleaning applications in all industries. Our solutions deliver precise temperatures on-demand with less energy usage and the elimination of unscheduled maintenance. Ranging from hose stations to CIP to tank heating to a central hot water station, Hydro-Thermal has the most precise and controlled solution on the market.

### Dye Color Kitchen

Several pet food processors also have utilized our product in their dye color kitchen. We know that the product's color is carefully controlled – for the humans buying the pet food, not their pets. Many pet food processors utilize a Hydro-Thermal solution to efficiently and consistently manufacture the correct pet food color. They know that if color is important to the consumer, it needs to precisely and efficiently match the control colors. Our accurate temperature control ensures consistent recipes for quality and consistency.

### Starches and Gravy Cooking

To accurately control shear and temperature, we ensure an optimum bloom of the starches to get perfect viscosity and yield. Therefore, the starch operation is efficient and repeatable, meeting all quality standards.

# Are you looking to improve plant productivity, improve product safety while reducing energy and product waste?

Whether you are using a  
*SilverLine*® for...  
**meat slurry and in-line  
flavor system**



*SilverLine*®



*Hydroheater A-Series*

*EZ Heater Skid*

Or the A-Series for...  
**in-line flavor system**

Or our popular EZ  
Heater product for...  
**hot water applications  
(wash down/CIP) and  
your dye color kitchen**

**All of our products are proven solutions in the pet food industry.**

Please contact us to determine how we can help determine what makes the most sense for your applications.



**Need more information about Hydro-Thermal products?**

Go to [www.hydro-thermal.com](http://www.hydro-thermal.com) or  
contact us at [info@hydro-thermal.com](mailto:info@hydro-thermal.com)

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