



# SPRAY TECHNOLOGY FOR PET FOOD & SUPPLY

Maintaining the safety and quality of pet food and supplies is a complex challenge. That's why leading processing plants turn to BETE for reliable spray nozzles, custom fabrications, and efficient spraying systems. These solutions help optimize production, reduce waste, and lower costs.

With over 70 years of experience, BETE offers expertly engineered spray technology to help pet food manufacturers achieve operational efficiency and reliable results. Our commitment to quality ensures that your products can consistently meet pet nutritional standards and consumer expectations.

## EXPLORE BETE'S RANGE OF SPRAY APPLICATIONS & TECHNOLOGY

### COATING & LUBRICATION

- Exact application of release agents onto dryer belts to prevent kibble and other products from sticking
- Precisely dose flavorings, colorings, nutrients, and palatants
- Uniformly spray fragrances on litter

### TANK CLEANING & MIXING

- Clean process, blending, and storage tanks
- Eductors to mix/blend ingredients and keep the product in suspension

### CLEANING & SANITATION

- Wash and sanitize conveyors, ovens, and other process equipment
- Spray sterilizing agents onto packaging and containers (aseptic packaging)

### HUMIDIFICATION & COOLING

- Maintain ideal temperature in storage rooms with misting nozzles
- General process and product cooling

### SPRAY DRYING

- Produce powdered ingredients with spray dry nozzles

### PLANT OPTIMIZATION

- Spray lances and manifolds for optimal nozzle placement and positioning
- Compressed air solutions for product/ingredient transfer, blow-off/cleaning, drying, spot-cooling, and static elimination
- Water conservation and treatment solutions



# ACHIEVE RELIABILITY, SAFETY, & QUALITY IN YOUR PET PRODUCTS WITH OUR INNOVATIVE SPRAY TECHNOLOGY SOLUTIONS



## ENSURE PRECISE SPRAY CONTROL & FLEXIBLE AUTOMATION WITH FLEXFLOW® SPRAY SYSTEMS

Our automated spray systems, like the **FlexFlow**, ensure precision spray control and flexible automation for applications like applying additives and palatants on dry kibble and antimicrobials and sterilizing agents onto packaging. Combine the **Electric HydroPulse® (EHP)** automatic spray nozzle with the FlexFlow spray controller and you have an expertly engineered solution for precise intermittent spraying capabilities.

- **Hygienic design**
- **Capable of cycling on/off up to 150 cycles per second**
- **Improve product consistency with uniform and repeatable coverage**
- **Reduce consumption of expensive coatings**
- **Eliminate overspray waste and improve product quality**
- **Exact target coatings secure a clean and safe environment**



**FlexFlow® Spray Control System & Electric HydroPulse® (EHP)**

## MAXIMIZE CLEANING EFFICIENCY WITH BETE TANK WASHING NOZZLES

BETE specializes in spray technology for hygienic tank and equipment cleaning, offering a complete line of products for an extensive range of tank sizes and soil types. Our tank cleaning nozzles maximize efficiency and remove soils effectively. Our engineering experts can recommend the ideal spray nozzle for your tank cleaning solution.

### PREVENT DOWNTIME WITH CLOG-RESISTANT STATIONARY NOZZLES

- **No moving parts, durable**
- **Low maintenance**
- **Options that allow up to three times the free passage of standard spray balls**

### CLEAN FASTER & REDUCE WATER CONSUMPTION WITH ROTARY SPRAY HEADS

- **Up to 40% water savings compared to static spray balls**
- **Greater mechanical force penetrates difficult soils**
- **Reduces use of costly chemicals**



**HydroClaw®**



**HydroWhirl®  
Orbitor 100**



**HydroWhirl®S**



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