



**SPRAYING  
PUMPING  
FILTERING  
AND VALVES**

# ANOTHER PROBLEM SOLVED!

## TOP MANIFOLD FOR UNIFORM MISTING OF BEEF PATTIES

### THE CHALLENGE

A beef processing facility in Western Canada was facing a challenge on their beef patty processing line. The spray manifold they were using to mist water onto the beef patties before they were flash-frozen needed replacement, it was no longer spraying the entire width of the conveyor which resulted in inconsistent product weight and quality. They needed a replacement where the spray angle would be wider to cover the entire conveyor but did not overlap; the impact would stay low, so the product would not be damaged, and the flow would be kept the same in order to conserve water.

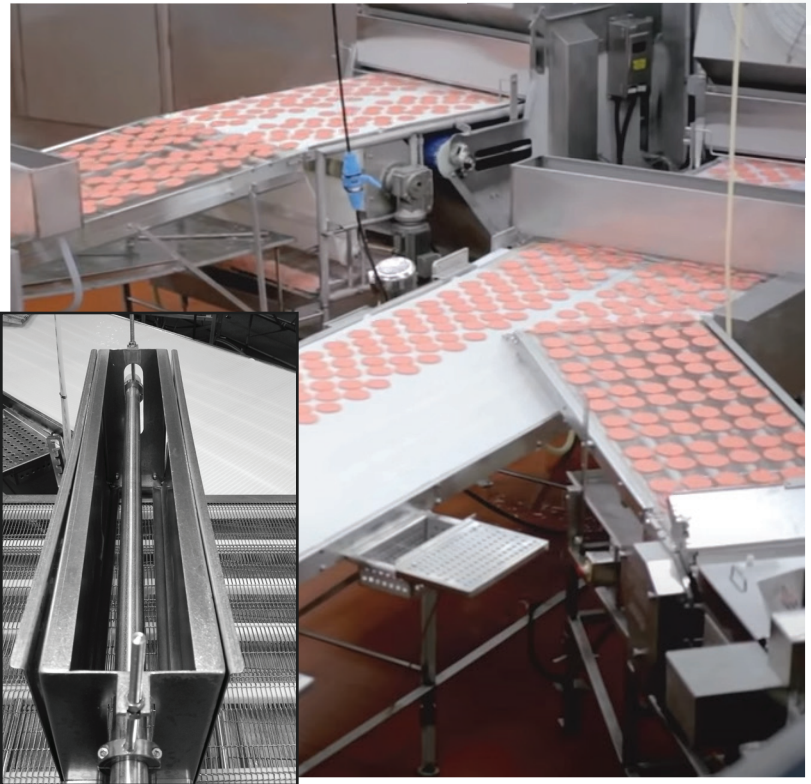
### THE SOLUTION

Our application expert met with the customer to review and discuss their application. They worked with our Engineering team to develop a manifold that covered all the customer's criteria and retrofitted to their existing controller. The manifold consists of a 36" long lightweight 316 Stainless Steel Pipe and Fittings for easy installation and removal; Four 303 Stainless Steel 60° Flat Fan Nozzles spaced equally apart for consistent, uniform misting.

### THE RESULTS

- ▶ Improved Product Quality
- ▶ Conserved Water
- ▶ Improved Process Efficiency

**For more information on this solution or if you have a fluid handling challenge of your own - Contact a John Brooks Company Application Expert today!**



## BEEF PATTY PRODUCTION | MOISTURIZING CUSTOM MISTING MANIFOLD

### TECHNOLOGY UTILIZED

- John Brooks Custom Built Misting Manifold  
1" SCH 40 Pipe, 316 Stainless Steel
- 4 Nozzle Assemblies | 60° Flat Fan Spray Pattern

### HOW IT WORKS

- 36" Misting Manifold is Mounted into the Existing Stainless Steel Box on the Conveyor.
- Formed Beef Patties travel along the conveyor under the misting manifold on their way to the flash freezing process.



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