



APPLICATION SPOTLIGHT

Poultry Processing Plant - Water Usage Monitoring



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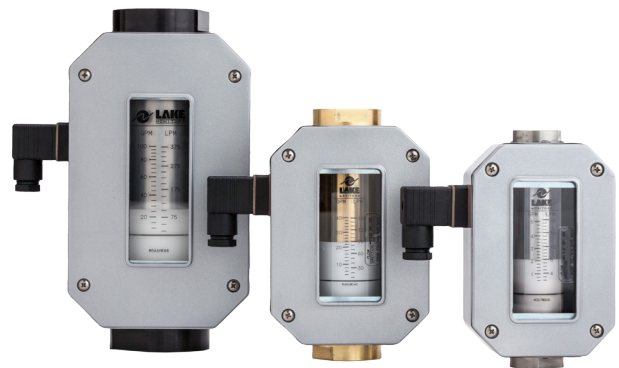


APPLICATION:

The customer needed a flow monitoring solution to measure their hot water usage in the picking area of their poultry processing plant. They installed Lake Flow Rate Transmitters into their process to allow them to recycle the water overflow, allowing an opportunity in water conservation and reuse. The target water usage for processing is between 3 and 5 gallons per bird.

PRODUCT SUPPLIED:

Flow Rate Transmitters with a 4-20 mA output



CHALLENGE:

Prior to installation of the Flow Rate Transmitters, the amount of water consumed by the pickers was unknown, and water valves were usually wide open. There was unregulated water overflow, presenting an opportunity to recover, filter, treat and recycle the overflow water from the picking application, which would reduce water and energy costs.

SOLUTION:

Since the installation of the Flow Rate Transmitters, the customer has been able to challenge production to lower water flow for processing in the picking application, cutting flow rates in half.

RESULTS:

This customer is now realizing gas and water savings of approximately \$20,000 - \$25,000 dollars per year from decreased hot water usage.