

The Axiflow HopperPump™

Axiflow Technologies is the Leader in Sanitary Twin-Screw Pumping Technology and the **Axiflow HopperPump™ with the specially designed Regressive Screws** is just another example of our constant innovation for the Food, Beverage, Personal Care & Pharmaceutical Industries.



There are many situations where both very thick products and very thin products with heavy solids can bridge in a closed system. This can cause pumping difficulties for most other types of positive displacement technologies.



No Problem Here:

Compared to the standard Axiflow pump, the Axiflow HopperPump™ has longer shafts and feed screws to accommodate a wide intermediate flange thereby exposing the feed screws. This enables the product to drop directly into the feed screw flights and eliminating bridging and de-watering of product. Unlike a circumferential piston pump with a rectangular flange, the Axiflow HopperPump™ will still be able to pull a strong suction, be extremely gentle on large soft solids and be able to run up to speeds of 3,500 RPMs to perform CIP with the same pump!

AXIFLOW 
TECHNOLOGIES, INC.

Constant Innovation!

Axiflow HopperPump™

Common Axiflow HopperPump™ Applications:

Salsa



- Spent Grain
- Fresh / Frozen Fruits & Vegetables
- Natural Salsa
- Cheese Curd

Ground Meat



- Finished Natural Cheese
- Dips with Large Solids Content
- Pie Fillings
- Fondants & Frostings
- Soups & Sauces

Potato Salad



- Ground Beef, Poultry & Pork
- Potato, Pasta, Chicken & Other Deli Salads
- Coleslaw
- Baked Beans

With the HopperPump™ design and the use of regressive screws, the shafts and screws are longer and the intermediate flange is twice as wide. This allows product with large solids to drop directly into the screws without “de-watering” the product and keeping the slurry homogeneous.

The Axiflow HopperPump™ Advantage

- Delicate, Low Shear Product Handling
- Ability to Pass Soft Solids up to 2.5" in Diameter
- Ability to Run up to Speeds of 3,500 RPMs
- Able to Generate the Velocities Required for CIP, with No Separate CIP Return Pump Required!
- Fully CIP-able
- Ability to Run Dry for Extended Periods of Time
- High Suction Capability
- Smooth, Virtually Pulse-Free Delivery of Product
- High Resistance to Abrasive Products



9404 E. Broadway Ave | Tampa, FL 33619
TEL (855) 294-3569 | FAX (877) 569-0775
www.AxiflowTechnologies.com



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