

# STARCH

Starch is derived from corn, arrowroot or potatoes. It is shear sensitive (thickens) and viscosity varies from a few centipoise to over 20,000 cP depending on the type of starch, concentration in the liquid, and temperature.



## SUGGESTED PUMPS:



### TRA®10 SERIES

- Stainless Steel / Nickel-based Alloy
- O-ring or Mechanically Sealed
- Low shear principle
- Capacities to 450 GPM



### 4624B SERIES™

- Cast Iron
- Abrasive resistant sealing options
- Hardened materials standard
- Capacities to 180 GPM



### 1124A-BXB SERIES™

- Cast Iron
- O-Pro® Barrier Seal to virtually eliminate leaking & mess associated with traditional packed pumps
- Low shear
- Capacities to 200 GPM

## STARCH APPLICATIONS:

- |                                  |                |
|----------------------------------|----------------|
| ■ Adhesives                      | ■ Face powders |
| ■ Sizing & finishing of textiles | ■ Cosmetics    |
| ■ Foods                          | ■ Bookbinding  |
| ■ Sizing paper                   | ■ Glucose      |
| ■ Explosives                     | ■ Malt sugar   |
| ■ Medicines                      | ■ Caramel      |
|                                  | ■ Cattle feeds |

## VIKING IN THE PROCESS:

Viking pumps are used in a variety of starch applications ranging from food ingredients and cosmetics to corrugated starch adhesives. Construction varies from cast iron to stainless steel, depending on the type of starch and sanitary requirements. Most starches are neutral or basic and are handled using cast iron; those that are on the acid side may require stainless steel. Raw starch may be abrasive if not completely dissolved or allowed to dry out. Cooked or hot starch (typically 160°F) is not abrasive.

**Note:** O-Pro® Barrier Seal is patented.

**INTERESTED IN A PRODUCT? CONTACT YOUR STOCKING DISTRIBUTOR TODAY!**

**VIKING PUMP®**



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