

# SOAPS



Soaps are a group of cleaning chemicals derived from plant oils or animal fats. Soap is a salt of a fatty acid. It solubilizes dirt and other particles to enable them to be carried away by water. Soaps are generally sensitive to the hardness of the water in which they are used. Hard water reduces the effectiveness of soap in cleaning. Soaps are also used in the production of lubricating greases and thickeners.

## SOAP APPLICATIONS:

- Railcar unloading of feedstocks
- Transfer of process intermediaries
- Transfer of finished products

## VIKING IN THE PROCESS:

Viking pumps are used throughout the soap manufacturing process. They are used in moving the raw ingredients such as oils and fats from the railcars to the plant. Viking pumps are used in both the saponification and sulfonation processes to move liquids like fatty acids, sulfonic acid and glycerine. They are also used in the blending and final packaging of the finished product. Viking pumps are able to handle a wide range of viscosities, have no pulsation, and flow rate can be adjusted easily with a variable frequency drive.

## SUGGESTED PUMPS:

### 4127A SERIES™



- 316 Stainless Steel
- Cartridge lipseal sealing options
- Capacities to 320 GPM

### 4724 SERIES™



- 316 Stainless Steel
- High viscosity & abrasive resistant sealing options
- Capacities to 110 GPM

### 4124A SERIES™



- Cast Iron
- Cartridge lipseal sealing options
- Bushing options for compatibility
- Capacities to 500 GPM



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