Process Flow Diagram (example)

Small food processing manufacturer: packaging of liquid condiments and seasonings. Diagram presents each step in manufacturing process and the energy inputs associated with each step.

Manufacturing step

Electricity

Process pumps, motors, votator and homogenizer

Electricity

Natural gas

Natural gas

Electricity

Electricity

Hot Water

Water heater

Chilled Water

Water Chiller- 100 ton

Boiler-25 hp

Refrigeration

Process Steam

Product boxed, palletized and stored

Air Handler (cooling)

Product is packaged

Finished product cooled in kettle

Ingredients fed into steam kettles and cooked

Ingredients received and stored