

# APV Flex-Mix Processor

- TOMATO KETCHUP

## PROCESS DESCRIPTION

Batch production using APV Flex-Mix Processor.

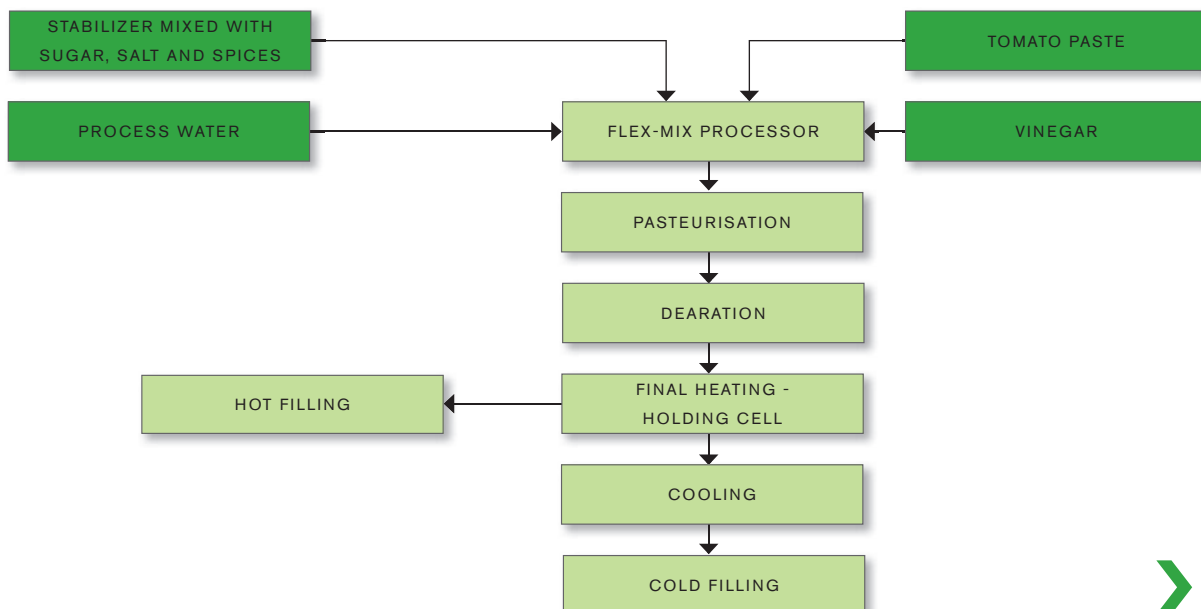
Firstly water is added to the processor tank followed by tomato paste. The stabilizers mixed with sugar, salt and spices along with vinegar are added during mixing under vacuum. After mixing the ketchup is pasteurised in a Tubular Heat Exchanger, deaerated in a Derox Dearator, homogenised and finally heated within a holding cell. The ketchup can be either hot filled or cooled in a tubular cooler or Scraped Surface Heat Exchanger and then cold filled.

The APV Flex-Mix Processor can run both a hot and cold process.

This example is based on a batch run producing Tomato Ketchup



## PROCESS BLOCK DIAGRAM



## FEATURES

- The APV Flex-Mix Processor is a pressure vessel.
- High shear mixing and gentle agitation/circulation is available
- Patent pending powder intake valves enable powder intake directly into the liquid body
- Integrated mixing, homogenization and deaeration

## ADVANTAGES

- Overall a very high consistency and reproducibility
- Proven functionality with excellent product quality
- Non-destructive particulate inclusion
- Fast batch preparation time
- Two Flex-Mix units allows for continuous production flow
- The Flex-Mix Processor is very diverse and can be used for an extensive range of products.

SPX offers a wide range of Mixing and Blending equipment for batch and inline emulsification, powder and liquid dissolving

APV Flex-Mix units and systems are recommended for batch production of fine food emulsions. Many global brands are being produced on SPX equipment



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