

APV Flex-Mix Instant Vacuum Mixer

– RECOMBINED CHEESE PRODUCTION

PROCESS DESCRIPTION

- Low to medium viscous cheese mixes (< 300 CP at maximum solid level)
- Feta, cream, and cheese spread mix are examples that can be prepared on the Flex-Mix Instant
- Mixing can be done either batch-wise or semi-continuous (over buffer tank)

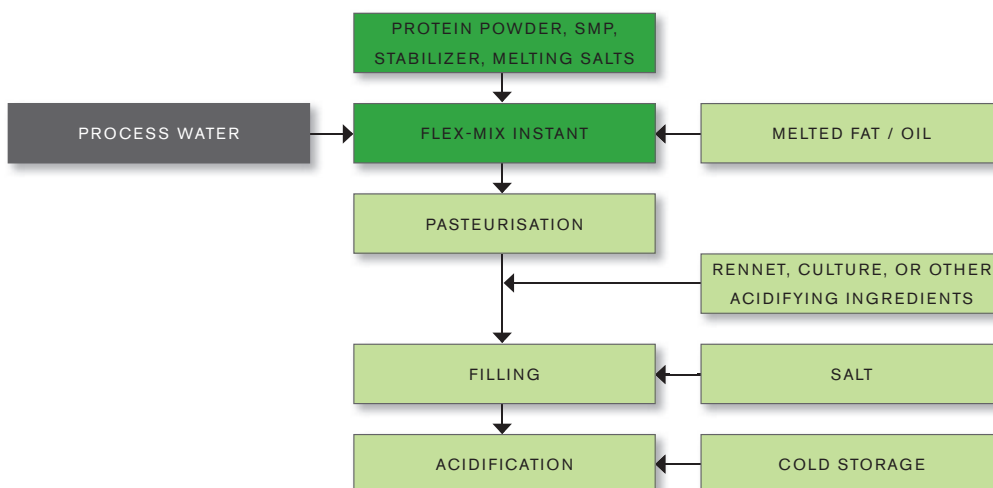
Recombined Feta Cheese Example. Recombined cheese mix preparation in the APV Flex-Mix Instant.

The Flex-Mix Instant tank is filled with water. The temperature is dependent on the fat/stabilizer requirement. Melted fat is pumped into the Flex-Mix Instant tank under vacuum and during high shear mixing, forming an oil-in-water emulsion. Functional milk proteins, stabilizers and other dry ingredients are also added to the instant tank under vacuum and during high shear mixing.

After mixing, a suitable hydration time is applied. After sufficient hydration, the mix is pasteurised and cooled. Rennet, cultures, or other acidifying ingredients are added and the mix is filled into packs. Finally salt is added and acidification takes place at mesophilic temperature.



PROCESS BLOCK DIAGRAM



FEATURES

- The Flex-Mix Instant is a vacuum approved vessel
- Unique adjacent high shear mixing and 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
- High powder intake capacity
- The Flex-Mix Instant 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 in-line emulsification, powder and liquid dissolving.

Many global brands are being produced on SPX equipment.



SPX is prepared to provide expert technology and application support.

Please contact us for further information or visit us at www.spx.com or www.apv.com

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