

APV Flex-Mix Processor

– MAYONNAISE BATCH PRODUCTION

The Flex-Mix Process can produce all types of mayonnaise suitable for topping, snack dip or sandwich filling

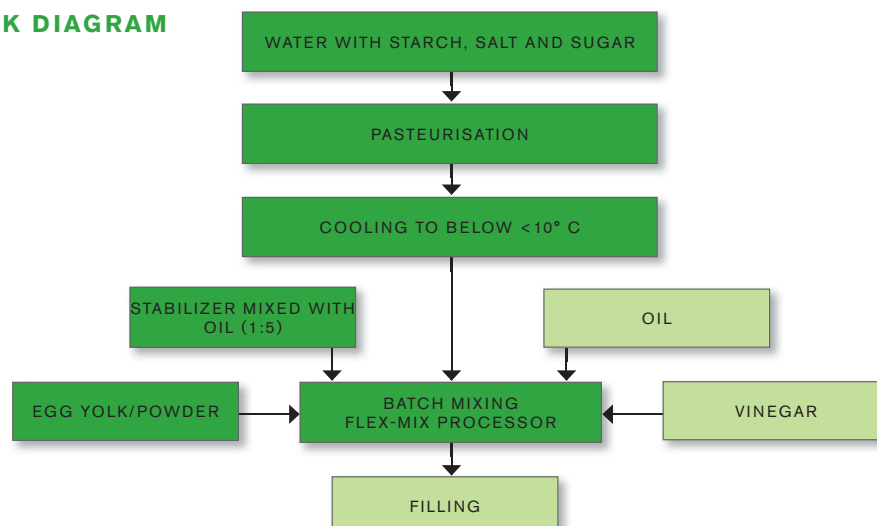
PROCESS DESCRIPTION

Batch production of mayonnaise in the APV Flex-Mix Processor. Traditional mayonnaise with oil content around 67% and below is produced using hot gelling starch. The water phase containing starch, sugar and salt is mixed in a liquiverter. The water phase is heated in a Scraped Surface Heat Exchanger to activate the starch normally to 90°C followed by cooling to below 10°C. The cold water phase is transferred to the processor. The stabilizer is often dispersed in the oil prior to adding to the processor. The egg and oil is added slowly to the processor while the high shear mixer is running. Finally the vinegar is dosed to pH < 4.5.

If cold gelling starch is used filtered or a pasteurized water is added to the processor, followed by the powder, egg and oil and the above process is repeated.



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

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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