

HYGIENIC FROM THE EGG WHITE TO YOLK

CONVEYED PRODUCT

- Eggs (entire eggs, egg white and/or egg yolk)
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KEY SPECIFICATIONS

- Highest level of hygiene
- CIP and SIP cleaning
- Accurate dosing without drips
- Nearly pulsation free pumping

BACKGROUND

The DAVA Foods group processes, packs and distributes fresh shell eggs and a variety of cooked and pasteurized egg products and powder. The group has six packing plants and four product factories in Denmark, Sweden, Norway, Finland and Estonia. DAVA accounts for a large part of the handling of eggs in the Nordic and Baltic countries, with exports to most of the world. Their aim is to provide an egg-product which is hygienically clean and has a long shelf life without using additives. No matter what product it is and how it is sent, hygiene is of the highest importance.

TASK

DAVA Foods planned a production expansion of one of their egg products (mixed yolk and white) and at the same time changed to larger containers with a capacity of up to 5 liters. The expanded conveying process required a filling tube to be attached to a pump. The tube is then lowered into a container to fill it from the bottom up. Once the container is full and the flow stops, the pump needs to be drip-free so as to not contaminate the outside of the container.

DAVA used to utilize hose pumps to convey the egg mixture into the containers. However, hose pumps have to be disassembled completely for cleaning – which led to extensive cleaning procedures and long downtime. The customer was looking for a pump that could easily be integrated into the production line, allowed CIP (Clean in Place) cleaning and was drip-free even when operating at varying speeds.



EASIER AND QUICKER CLEANING

COST SAVINGS

REDUCED DOWNTIME

**EASIER AND
FASTER CLEANING
PROCEDURES**

**SHORTER
MAINTENANCE TIMES**

PUMP TYPE

BCFH 1-12



SOLUTION

SEPEX experts offered six newly designed BCFH 1-12 pumps to be integrated into the customer's production line. This product range offers high product safety, doses accurately without dripping and is particularly easy to clean and maintain. It also meets the highest hygienic standards, since the pumps are EHEDG certified according to the latest certification process. Due to the newly constructed joint-free Flexrod and CFD-optimized inlet geometry residue-free cleaning with CIP is achieved. With this pump the customer's maintenance costs were also greatly reduced thanks to the split suction casing and removable rotor connection, which substantially simplify maintenance work.

BENEFITS

- Highest level of hygiene
- Easy to clean
- Accurate dosing without drips

