

# Food production: Automated transport and filling of chocolate

# FESTO



## Customer information

The company Balaban Gida in Turkey is famous for their chocolate and chocolate related candies production. Balaban Gida trusts on reliable automation systems from Festo for the sensitive chocolate manufacturing process.

## Task

- Automation of flanged stainless steel ball valves for the distribution and transport of the chocolate paste
- Control of 3-way flanged stainless steel ball valves for mixing and filling of the chocolate
- High visibility of actual valve position
- Direct control of quarter turn actuators through flanged solenoid valves
- Reliable system components for handling of the highly viscous chocolate

## Solution

- Installation of 140 flanged stainless steel ball valves, there of 80 automated with actuators DAPS for accurate switching of the ball valves even by cold, high viscous chocolate
- Control of all actuators via Namur valves NVF3 and sensor boxes for reliable detection of end positions
- 40 flanged stainless steel 3-way ball valves for dosing of milk, white and dark chocolate within the machines



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