

# NEW TECHNOLOGY FOR OLD-FASHIONED CANDY

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## CONVEYED PRODUCT

- Candy bar filling
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## KEY SPECIFICATIONS

- Higher pressures
  - Maximized performance
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## COST SAVINGS

**LOW OPERATING COSTS**

**ENERGY SAVINGS**

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## PUMP TYPE

BCSB range

## BACKGROUND

NECCO, best known for their wafers and conversation candy hearts, is the oldest continuously operating candy company in the United States. They undertook an expansion project that would take them out of the heart of Cambridge, MA and into new, state-of-the-art facilities.

## TASK

NECCO had been relying on lobe pumps to transfer their various candy bar fillings. Performance was not satisfactory, but the primary advantage of lobe pumps was their minimal space requirements. Even as they began planning expansion, design engineers encouraged NECCO management to consider progressive cavity pumps in their new facility. These pumps could run at higher pressures needed for the viscous fillings. As they investigated pump manufacturers, they discovered two factors that made SEEPEx pumps stand head and shoulders above competitors. SEEPEx not only produces sanitary pumps with an economical and long lasting closed joint that is perfectly suited for candy fillings, but also offers an equal wall stator, meaning a compact 2-stage pump achieves the same performance as a 4-stage pump with conventional stator geometry.

## SOLUTION

SEEPEx provided BCSB range sanitary pumps with the unique equal wall stator design. Equal wall stators are made with a revolutionary procedure using a metal tube hydraulically bent into a double helix, the same shape as the helix forming the cavity inside the pumping element. This makes the thickness of the rubber constant as opposed to the thin and thick sections of elastomer in a normal cylindrical tube. Equal wall stators can handle twice the pressure of conventional designs on non-abrasive fluids, with an even smaller footprint than conventional progressive cavity pumps. The installed BCSB pumps have performed so reliably for a year and a half that management plans to purchase additional SEEPEx pumps.

## BENEFITS

- Reliable performance
- Smaller footprint

