

# CASE STUDY

## A Global Beverage Manufacturer in Western India



### Problem

Stall condition in bottle washer leading to higher steam consumption

### Objective

To eliminate steam loss caused by stall conditions

### Solution

- Installation of Forbes Marshall Steam Operated Pump Trap addressed stall conditions without opening of the bypass valve, hence steam loss was eliminated.
- A PID based temperature control system was installed to maintain proper temperatures at different soaker tanks.

### Benefits

- Reduction in steam consumption due to no steam loss
- No water hammer, hence no damage to coils.
- Temperature in bottle washer maintained. Start-up time reduced by 40%.