

**Problem**

Cleaning valves and piping is important in cosmetic manufacturing. If valves are not well-cleaned, a significant amount of product may become trapped in the cavity between the ball and the inside wall of the valve body.

Trapped product may discolor, or otherwise contaminate the next batch of product.

**Solution**

PBM solution to this problem is a 2-way self-flushing ball valve with four self-flushing holes in the ball.

The T-port at the bottom of the ball and the smaller holes at the top of the ball provide optimum access and flow to the open area in the body cavity. This allows first the process and then the cleaning solution and rinse solution to flow freely throughout the body cavity when the valve is in the open position. Turbulence cleans the cavity, much like turbulence will flush a short 2:1 blind tee.

**Benefits**

- ◆ Self-flushing ball holes allow maximum flow and facilitate cleaning of the body cavity.
- ◆ Eliminates downtime and maintenance costs associated with removing the valve for cleaning.
- ◆ Valve retains bidirectional seating.

Another creative solution by PBM . . .