

## Case study

# Reduce Emissions and Product Loss with Consolidated™ Pilot-Operated Technology

### Seat Leakage Standard

↓ 100 to 0  
Bubbles per Minute

### Product Loss Savings

↑ Up to \$50K  
Per Release with Modulation<sup>(1)</sup>

### Emissions Reduction

↓ Up to \$100K  
Per Installation<sup>(1)(2)</sup>

- <sup>(1)</sup> Savings vary by application.
  - <sup>(2)</sup> Based on cost of ownership, monitoring, and violation savings per year.
- \* Dependent on set pressure tolerances

#### The Right Valve for the Right Application

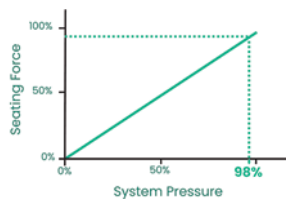
Contact your local Green Tag™ Center today.

[valves.bakerhughes.com](http://valves.bakerhughes.com)

Plant operators and personnel are reviewing installed equipment, such as valves, to identify opportunities for minimizing both accidental and intentional process leaks, in keeping with industry trends to reduce fugitive gas emissions.

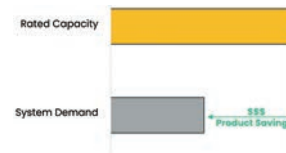
Pilot-Operated Safety Relief Valves (POSRVs) are a proven solution for preventing seat leakage and excess flow due to **superior seat tightness, operating gap, and lift performance**.

### No Seat Leakage



The POSRV design ensures there is no seat leakage and is tested according to the API 527 standard assuring of optimal seat tightness.

### No Wasted Product



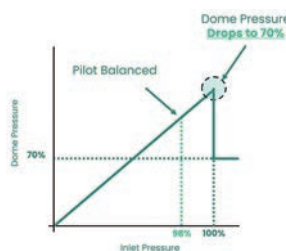
Modulating pilots minimize product loss by only relieving what is necessary. This means that full lift is not required unless it is required, ensuring maximum efficiency.

Main valve Zero Leakage Up to 98-100%\* of set pressure

Proportional lift reduces excess product loss and emissions

Consolidated POSRVs offer exclusive solutions to assist users in achieving their objectives of **reducing emissions and increasing profitability**.

### No "Null Zone"



In other designs, pilots vent prior to the set pressure (90-95%) causing unintended leakage. Consolidated 39PV/MV07 do not have a null zone and will not leak until set pressure.

### No Fugitive Emissions



The 2900 Series meets spring-loaded SRV flange dimensions to easily convert bellows valves, eliminating associated maintenance and monitoring costs. Receive all the benefits of pilot technology with a simple, cost-effective solution.

Zero Dome Leakage Up to 100% of set pressure

No bellows, no bonnet leaks, no monitoring required