

Delayed Coking

Coking is a batch process that requires frequent operation of the isolation valve system during the coke drum switching operation.

MOGAS' simple floating ball design provides trouble-free operation in this heavy coking application, unlike complicated trunnion designs that provide several high tolerance areas for coke to build-up and cause torque to increase significantly from start of run to end of run of the unit.

Our floating ball design requires much less steam during purging operations than the typical trunnion designs, saving thousands of dollars annually in energy costs.

As a continuous improvement to the company's design, MOGAS has taken data from the field to determine the exact amount of service duty that should be applied to actuator and valve stem sizing. This helps avoid valve and actuator failure from increased torque due to coke build-up.

Typical operating conditions are:

- High temperature
(500 – 900° F / 260 – 480° C)
- Coking service
- High cycle
- Erosive conditions
- Temperature cycling
- High pressure water service
- High pressure steam blowdown



The superior design and quality of MOGAS valves reduce maintenance and eliminate valve-related downtime—providing a greater overall return on investment.