

Fractionator Bottom Slurry Oil Isolation Valve

The fractionator slurry oil circuit is an unforgiving process environment where existing valves tend to wear and foul quickly, causing reliability issues for refinery operators. Operators cannot afford such issues with the Emergency Isolation Valve, which quickly shuts off the flow of slurry in emergency situations. Our new Slurry Oil Valve features a double live-loaded, ultra-tight, extended seat design; continuous static purge with anti-fouling and self-cleaning features to deliver an ultra-reliable and robust solution for the slurry circuit's demanding operational requirements.

Emergency Isolation Valve

Heavy residual oil, together with catalyst or coke fine carryover, collects at the bottom of the fractionator and recycles back to the reactor for the catalyst to be used in the reactor. Bottom recycle is used to recover heat for feed preheat through exchangers and kettle boilers. The fluid is known as catalyst oil slurry and its control and isolation, due to its highly abrasive nature and temperature, sets high demands for valves.

Industry Demands and ✓ Our Solutions:

Tight Shut Off (Zero Leakage)

- ✓ Double block and purge isolation = 100% process isolation
- ✓ Optional liquid hydrocarbon purge medium (Patent Pending)
- ✓ Bi-directional isolation, with self-cleaning metal seats

Long, Reliable Uninterrupted Cycle Life

- ✓ Safe and reliable proven seating technology
- ✓ Fully sealed body cavity isolating process flow from entering
- ✓ Operable in a partially open/closed position (Patented Extended Seats)
- ✓ Simplified purge requirements with extremely low purge medium consumption

Erosion Resistant Valve

- ✓ Zero maintenance between turnarounds due to erosion resistant design and self-cleaning seats.

Fast Closing for Emergency Shut Down Applications

- ✓ Multiple actuation options to satisfy any process requirement

Interchangeable With Existing Process Valve Envelopes

- ✓ Short pattern design capable of replacing ball, gate, or plug valves

Maintenance Friendly

- ✓ Fully in-line repairable with top entry

