Detroit® Rotary Seal Feeders & Double Flap Airlocks

Detroit® Rotary Seal Feeders
All cast iron construction for heavy-duty service. Rotor sealing assembly designed to maintain an air tight seal through spring loaded tension bolts.

Feeder Design Features:
- Access openings for internal inspection
- Heavy-duty packing glands at the rotor shaft & high-temperature packing at inlet neck
- Externally mounted, heavy-duty, self-aligning pillow block bearing
- Shear pin assembly on drive sprocket/rotor shaft

Detroit® Double Flap Airlock
An effective way to handle material, especially hot and abrasive materials that are fibrous & sticky. A flap-valve in the double dump configuration provides even material flow across an air differential, similar to the rotary airlock. Even material flow is achieved by utilizing dual chambers that are timed to discharge alternately.

Valve Design Features:
- Constructed of high temperature & abrasion resistant materials for a rugged design
- Exclusive Detroit® wear resistant alloy seat and flap
- All cast body & internals – machined for consistency
- Full-throat design nearly eliminates material bridging in difficult applications