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Meyer Puts The Brakes On Leaky Airlocks

In 1998 American Vacuum, a Skokie, IL based system manufacturer contacted, Meyer Industrial looking for the solution to a problematic application. A Midwest based brake manufacturer had (2) 50 HP Central Vacuum Systems for the recovery of brake dust, operating at a 16" HG vacuum.

They were using Rotary Airlock Valves on the material discharge. The Rotary Valves were leaking excessively, and were a constant maintenance issue. These factors were costing the end-user money in lost production, man hours and downtime. They approached Meyer about the application and asked them to find an alternate solution to the problem. Due to the high vacuum & abrasive material, Meyer engineers determined that a "Double Flapgate Valve" would provide the most effective solution to the end-users issues. The unique design combined reliable, long term performance value with low maintenance cost.

After twelve years of service the Double Flapgate Valve has been trouble free and is functioning with the original parts. In addition the customer has reported energy savings and down-time was virtually eliminated.

Valve Construction/Features:
Non-jamming Design: can handle a wide range of particle sizes, up to 6"
Seat and Gate: supplied in High Chrome White Iron with outstanding abrasion resistant characteristics.
Stainless Steel Shafts: 25 to 60% larger than most competitors. No downtime due to shaft fatigue or failure.
Rotary Actuators: Totally enclosed – no need for OSHA guards.
Ease of Maintenance: Front and Rear access covers for inspection or change of parts eliminating the need to remove valve for servicing.