
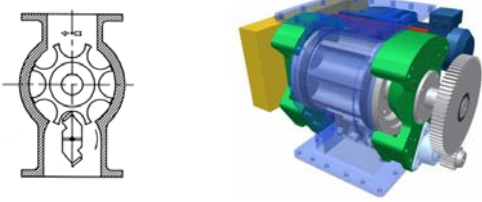


Plattco Double Flap Airlock® Valves vs. Rotary Valves

Plattco Double Flap Airlock Valves	Rotary Valves
	
System Performance & Efficiency	
<p>One flapper is always closed to maintain a pressure differential. Seats and flappers are heavy duty cast up to 650 brinell and wet ground within .003" clearance when leaving the factory.</p> <p>Estimated air leakage rate for a Plattco Double Flap Airlock Valve is 1/3 that of a rotary valve.</p> <p>Bag life is increased significantly due to reduced turbulence in the bag house.</p>	<p>Rotary valves have a minimum of .008" clearance between the housing and rotary vanes when new. As time goes on that clearance increases due to wear caused by the material, therefore increasing the amount of air blow-by.</p> <p>Estimated air leakage rate for a rotary valve is 3 times that of a Plattco Double Flap Airlock Valve.</p> <p>Leakage through the rotary valve creates turbulence in the bag house and decreases bag life.</p>
Ease of Maintenance	
<p>Plattco double flap valves can be serviced in-line. Internal wear parts are accessible through front and rear access covers.</p> <p>Plattco wear parts (seats and flappers) can be re-ground to "like new" condition numerous times before having to buy new parts.</p>	<p>Most rotary valves must be removed from service and returned to the factory for rebuilding, therefore a new rotary valve assembly must be on hand and installed.</p> <p>The housing is part of the seal.</p>
Electrical Costs	
<p>Minimal air leakage from the double flap valve reduces the amount of air moving through the bag house, or precipitator. This reduces the horse power required to operate the fan.</p>	<p>Increased horse power is required for the fan to move leaking air through the rotary valve.</p>
Production Output	
<p>By design Plattco double flap airlock valves allow material to drop through the valve easily which increases throughput, and eliminates potential bridging and plugging problems.</p>	<p>By design rotary valves can cause bridging of the above material, the vanes can also pack with material which reduces overall throughput.</p>