

## Double Flap Airlock® Valves

### Solving material handling problems that no other valve can handle.

*"Plattco's Double Flap Airlock® Valves have improved my baghouse's efficiency significantly. We noticed a reduction in our module DPs due to the reduced amount of false air that is allowed back into the baghouse during cleaning cycles. This reduction in the false air also reduces the load on the ID fan, which means less horsepower and less electrical costs!*

*"Before the Plattco valves were installed, the rotary valves' vanes would pack with dust or foreign objects and not convey material very well. Plattco valves do not experience these plugging problems. The conversion was straightforward, technical support was excellent and the conversion to Plattco valves eliminated the constant vane adjustment maintenance necessary with rotary valves. We have had Plattco valves since 1999, and they have required very little maintenance and very few replacement parts."*

**Mark Cooke, US Steel**

When companies like US Steel make the switch from higher-maintenance rotary valves, they choose Plattco Double Flap Airlock® Valves for a valve that will

- ♦ ensure a reliable, long-lasting seal ... even when the material is abrasive or corrosive... pressurized or subject to extreme temperatures;
- ♦ be easy and inexpensive to maintain for decades of "like new" operation; and,
- ♦ fit their specific applications, using Plattco's 50+ years of experience custom engineering valves for facilities all over the world.

### Plattco's Double Flap Airlock® Valve / S8-Series

**The Low Profile** valve is built with the same rugged design as our famous H-Series valve at roughly half the height for applications where headroom is restricted.

#### Excellence in Design

No rotary action means no need to build clearance (leakage) into the valve.

Double flaps ensure that the seal is never broken throughout filling and emptying the valve.

All-cast construction for consistency, proprietary alloys for durability and wear resistance, seat and flapper precision-machined to eliminate air leakage.

Proprietary design eliminates bridging, jamming and material build-up.

In pressurized applications, Plattco's patented mechanical seal eliminates the potential for shaft-seal leakage.

Seat and flapper can be reground several times to bring them back to "like new" condition and performance.

Housing is not part of the seal -- allowing it to last for decades in the worst operational environments.



Electrically Operated  
S8-Series Valve



# Plattco Corporation

When your process is critical, when conditions are demanding,  
When your valve has to work, it has to be a **Plattco Valve**.

Plattco.com  
email: [info@Plattco.com](mailto:info@Plattco.com)  
international calls: 1.518.563.4640  
USA/domestic calls: 1.800.352.1731  
7 White Street, Plattsburgh NY USA 12901

## S8-Series / **Low Profile**

Inlet / Outlet Sizes (inches):  
6, 8, 10, 12, 16, 18

Capacity Expanding Spool  
(inches in height): 2 - 24

Seat & Flapper Design:  
Classic, Knife Edge

Valve Body Materials:  
Cast Iron, Ni-Resist, Cast  
Steel, Stainless Steel



Seat & Flapper Materials:  
Ni-Hard, Plattalloy 650,  
Ni-Resist, Stainless Steel

Operators: Pneumatic,  
Rotary Actuator, Electrical,  
Hydraulic, Gravity

Shaft Seals: Standard  
Graphite Packing,  
Lantern Rings, Injectable,  
Mechanical (*Patented*)

Maximum Material  
Temperature:  
1800° F

Maximum Differential Pressure  
(above & below the valve):  
15 psi (higher pressure options in  
some applications)

### Easy To Maintain:

The inside of the valve (including seat and flapper) can be reached through access covers in the bodies of the valves (optional Camlock Covers offer even quicker access).

Seat and flapper (which provide the seal) can be quickly replaced without moving the valve or taking it out of service.

Outboard mounted shaft bearings allow for air circulation, are easy to reach and maintain; allow for easy shaft seal adjustment or replacement.

Seal pocket modular cartridge makes it quick and easy to change or adjust the shaft seal to as new condition in-line.

Numerous maintenance-friendly features, such as:

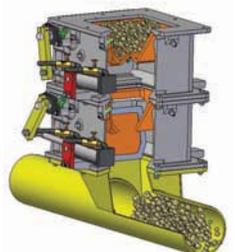
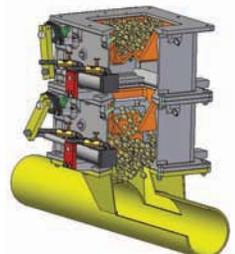
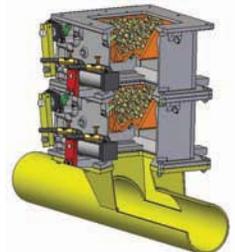
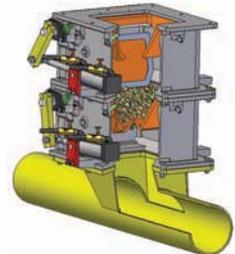
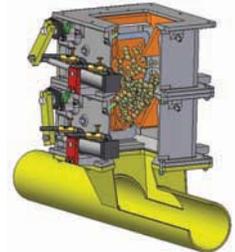
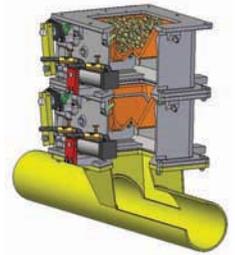
- ♦ Stainless steel shafts
- ♦ Pipe plugs for the removal of flapper pins
- ♦ Heavy duty air cylinders
- ♦ In-line replacement wear bushings in the arms
- ♦ External seat adjustment screws
- ♦ Keyed links & arms provide for precision positioning

### Options Available:

Air Cooling Jets  
Air Cylinder Heat Shield  
Camlock Access Covers  
Cylinder Rod Boots  
Dust Deflectors  
Expansion Joints

Four Way Directional Valve  
High Temperature Bearings  
Mechanical Limit Switch  
NEMA Enclosures  
Optional Gear Ratios  
Proximity Switch

Rod End Bearing Seals  
Safety Guards  
Timers  
Viton Air Cylinders  
Zero Speed Switch



# Plattco Corporation

When your process is critical, when conditions are demanding,  
When your valve has to work, it has to be a **Plattco Valve**.