Double Flap Airlock® Valves
Solving material handling problems that no other valve can handle.

“The Plattco model H-1295-05 Double Flap Airlock® Valves that Essroc chose to purchase instead of a conventional screw pump have saved us many thousands of dollars in electricity and maintenance over the last year. The electricity costs are 80% less than a screw pump and maintenance costs are less than $3000 a year.

“We encounter less maintenance and downtime with the Plattco valves because the design allows us to quickly and easily make repairs or replace worn parts. We have had Plattco valves installed on a cement kiln dust pneumatic transport line (over 1200 linear feet) since late 2005. They have required very little maintenance and very few replacement parts.”

John Holiday, Essroc

Companies like Essroc choose Plattco Double Flap Airlock® Valves when they need 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 / H-Series
The Premiere valve in dry material handling with thousands of successful applications in industries throughout the world.

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.

Full-throat opening 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.

Plattco Corporation
When your process is critical, when conditions are demanding, When your valve has to work, it has to be a Plattco Valve.
**H-Series / The Premiere**

**Inlet / Outlet Sizes (inches):**
6, 8, 10, 12, 16, 18, 24

**Capacity Expanding Spool (inches in height):** 2 - 30

**Seat & Flapper Design:**
Classic, Knife Edge

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

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

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

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

**Maximum Material Temperature:**
1800°F

**Maximum Differential Pressure (above & below the valve):** 40 psi

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**Easy To Maintain:**
The inside of the valve (including seat and flapper) can be reached through front and rear 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

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