

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.



Pneumatically Operated
H-Series Valve



Plattco Corporation

founded in 1897

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

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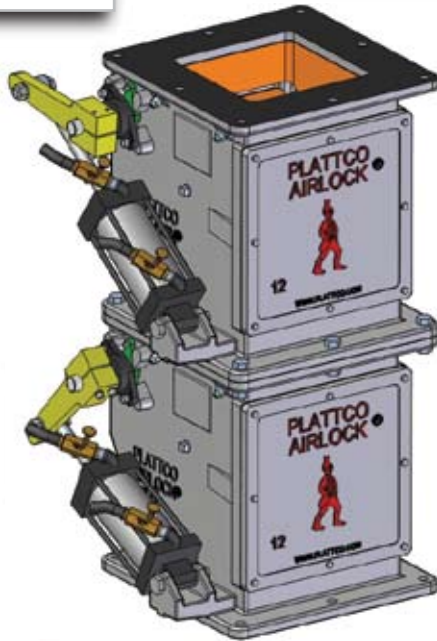
H-Series / *The Premiere*

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

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:

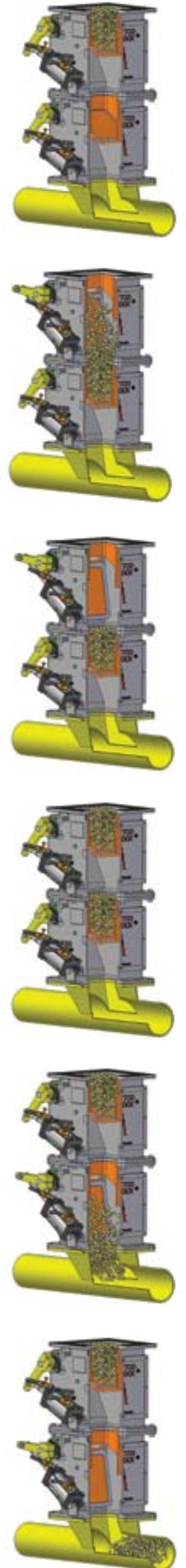
- ♦ Stainless steel shafts
- ♦ Pipe plugs for the removal of flapper pins
- ♦ Heavy duty air cylinders
- ♦ In-line replacement wear bushings in the arms
- ♦ External seat adjustment screws
- ♦ Keyed links & arms provide for precision positioning

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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