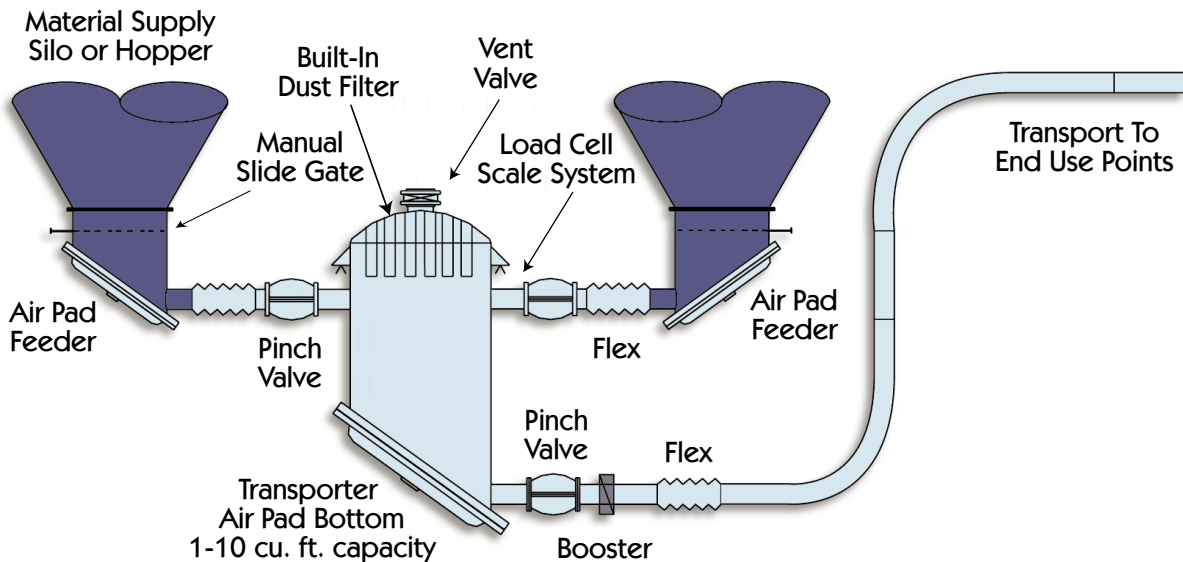


# Weigh-Veyor

*Dust-free, automatic weighing and conveying for free-flowing bulk materials from storage to use points.*



## ▲ Multi-Ingredient Weigh-Veyor

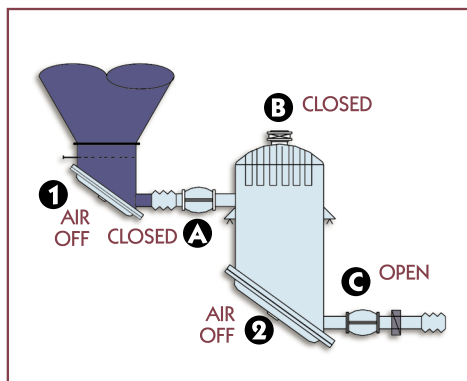
In this system, two ingredients are precisely metered from two sources and pneumatically conveyed to use points.

Whirl-Air Weigh-Veyors are designed to accurately weigh single or multiple free-flowing ingredients into a combination scale mounted transporter. Then using the transporter to

pneumatically convey the weighed product(s) to one or more destinations. The Weigh-veyor design allows direct connection to the silo or hopper.

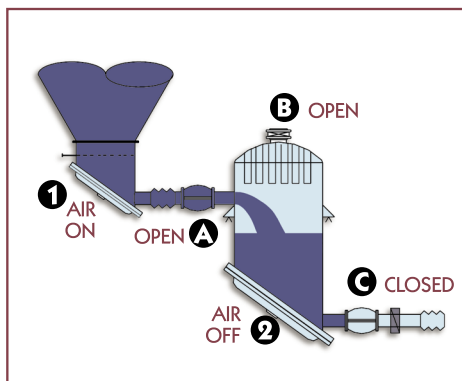


# batch weighing and pneumatic conveying all in one compact unit.



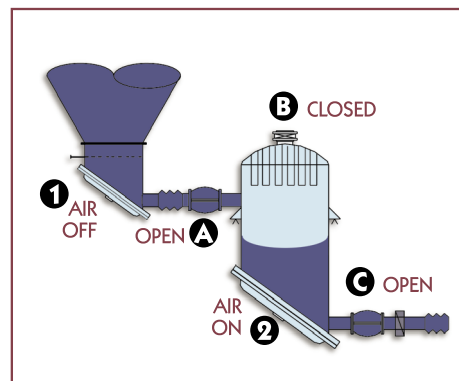
## Stage One Operation

Ready to begin cycle. Weigh scale is at zero. Inlet pinch valve (A) & vent valve (B) are closed. Internal space is atmospheric pressure.



## Stage Two Operation

Inlet pinch valve (A) & vent valve (B) are open and outlet pinch valve is closed on signal. Air #1 is on. Material is admitted until target weight is achieved. Valves A & B close.

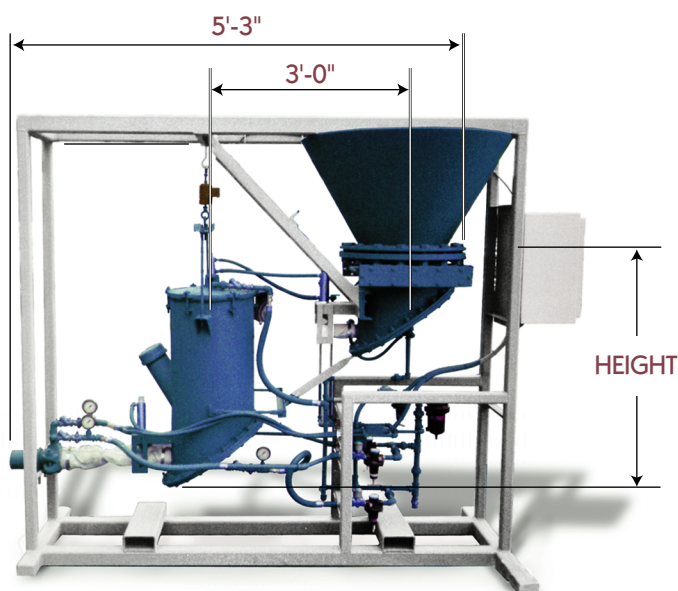


## Stage Three Operation

Outlet pinch valve is opened, air #2 is on and material is conveyed to receiving point until zero weight is achieved, assuring complete transfer.

## WEIGH-VEYOR FEATURES

- Aeration to aid silo or hopper discharge
- Built-in dust collection
- Virtually silent operation
- No moving parts
- Rice Lake scale and Allen Bradley micro logic processor (others available)
- Shipped fully assembled, pre-wired and air-piped



## WEIGH-VEYOR PERFORMANCE

WEIGHING CYCLE			
lbs. of material	weighing time	rate of air consumption	percent accuracy
5 to 275	4 to 30 sec	40 SCFM	+/- 1.0%
DELIVERY CYCLE			
lbs. of material	weighing time	rate of air consumption	percent accuracy
5 to 275	1 to 10 sec	40 SCFM	N/A

\*Time for powder Weigh-Veyor. Time may be decreased with a sacrifice of accuracy. Times shown are based on tests with a clay and powdered coal material weighing 55 lb./cu. ft. and a receiving point 25 ft. from the Weigh-Veyor. Times may vary dependent on installation.

## POWDER WEIGH-VEYOR SPECIFICATIONS

model no.	unit height	cu. ft. cap.	weight
PWV-25	3'-5"	2.5	850
PWV-30	3'-10"	3.0	860
PWV-40	4'-7"	4.0	877
PWV-50	5'-4"	5.0	895
PWV-100	9'-3"	10.0	1075



## Whirl-Air-Flow Corporation

1515 Central Avenue NE, Post Office Box 18190  
Minneapolis, MN 55418-0190 • www.whirlair.com  
612/782-2200 • 800/373-3461 • 612/781-3466 FAX