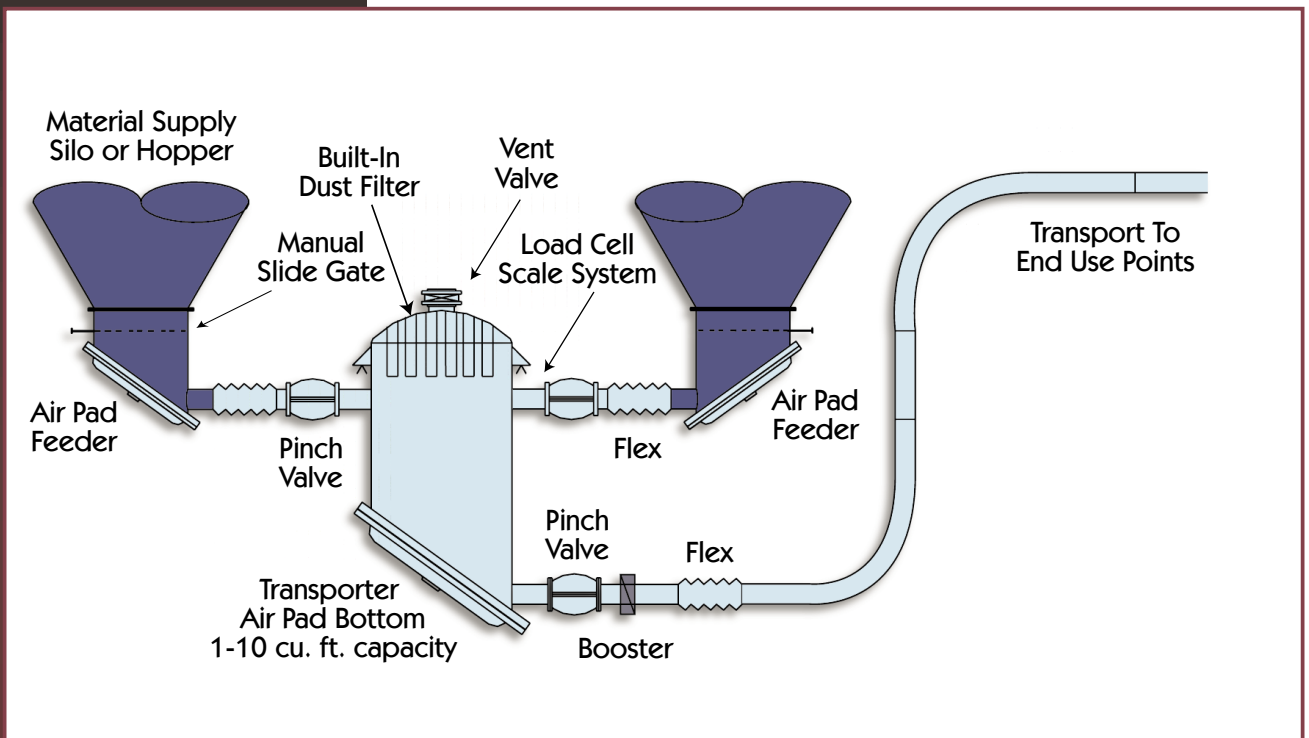


Weigh-Veyor

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



▲ Multi-Ingredient Weigh-Veyor

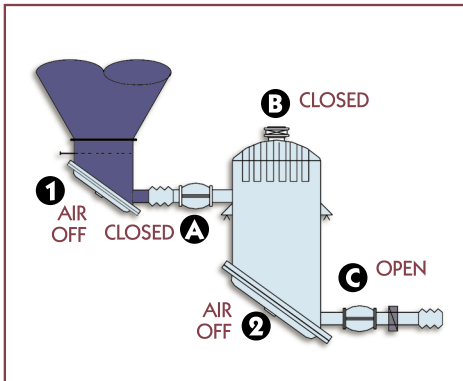
In this system, two ingredients are precisely metered from two sources and pneumatically conveyed to use points.

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.

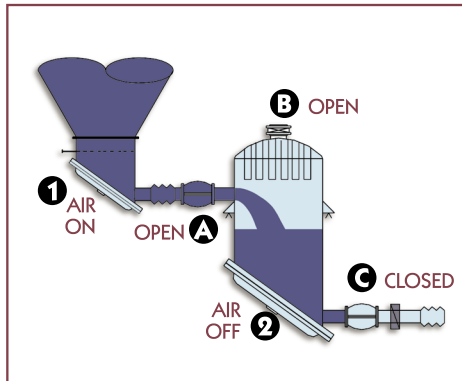


batch weighing and pneumatic conveying all in one compact unit.



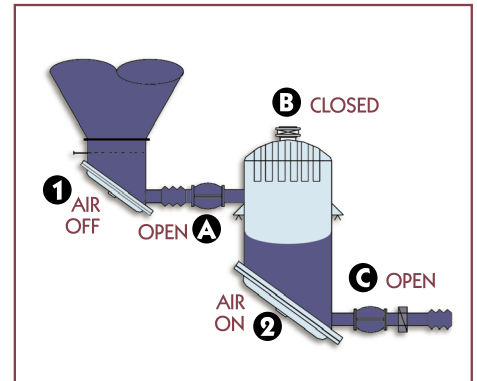
Stage One Operation

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.

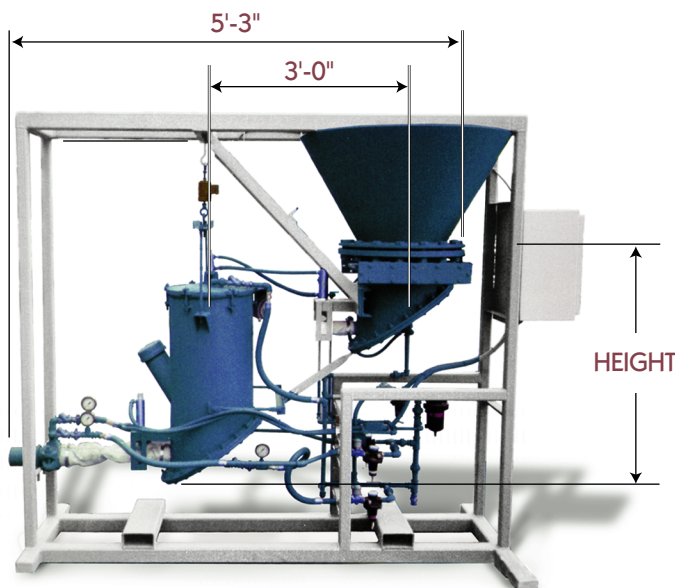


Stage Three Operation

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



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