

# CLEAR ACTION GATE



The Vortex Clear Action Gate is designed for use in gravity flow or pneumatic conveying systems up to 15 psig (1 barg) depending on size. Mounted horizontally, the machined square-edged blade of this gate mechanically clears the material from the sealing surfaces on each closing cycle allowing it to discharge beneath the valve. Open cavities where material collects in traditional gate valves have been eliminated with the square blade and seal design.

- GRAVITY FLOW**
- DILUTE PHASE PNEUMATIC CONVEYING** (Pressure or Vacuum)
- DENSE PHASE PNEUMATIC CONVEYING**

## FEATURES

-  Handles powders, granules and pellets
-  Self-cleaning action on closure minimizes material build-up
-  Positive seal across the valve and to atmosphere
-  Serviceable while in-line
-  Accurate metering of materials with optional metering controls
-  No internal cavities for material build up
-  No pinch points of exposed moving parts for safe operation
-  Material construction options available
-  Standard sizes: 6" - 16"  
Contact us for custom sizes

OPTIONS



INLET



OUTLET

DETAILS



Slotted end seal to eliminate material packing upon closing stroke



Replaceable bonnet seals allow for in-line maintenance



Air purge ports are used to reduce material migration between replaceable seals

APPLICATIONS



10" (254mm) Clear Action Gate below hopper handling animal feed additives



12" (305mm) Clear Action Gate above a rotary valve handling calcium carbonate with optional pre-wired terminal box

For a complete list of specifications, modifications, dimensional drawings and measurements, visit [WWW.VORTEXVALVES.COM](http://WWW.VORTEXVALVES.COM)