


ORIFICE GATE

The Vortex Quantum Orifice Gate is specifically engineered to handle dry bulk solids in gravity flow, dilute phase, or vacuum conveying systems with pressures up to 15 psig (1 barg). Traditional slide gates and butterfly valves commonly allow packing of material which prevents positive air and material shutoff.

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

FEATURES

-  Handles powders, granules and pellets
-  Mechanically self cleans on opening stroke
-  No pinch points or exposed moving parts for safe operation
-  Wear compensating hard polymer seals
-  Unobstructed opening
-  Seals protected from blast abrasion
-  Serviceable while in-line
-  Material construction options available
-  Standard sizes: 2" - 16"
Contact us for custom sizes

OPTIONS



STUDDED



ANSI / DIN



-P

DETAILS



Shim removal for seal adjustment while valve is in-line



Blade adjustment through front access panel



Mechanically self cleans on opening stroke

APPLICATIONS



10" (254mm) Quantum Orifice Gate handling cement powder



Hand crank Quantum Orifice Gate with ANSI flange



12" (305mm) Quantum Orifice Gate handling polyethylene resin powder

For a complete list of specifications, modifications, dimensional drawings and measurements, visit WWW.VORTEXVALVES.COM