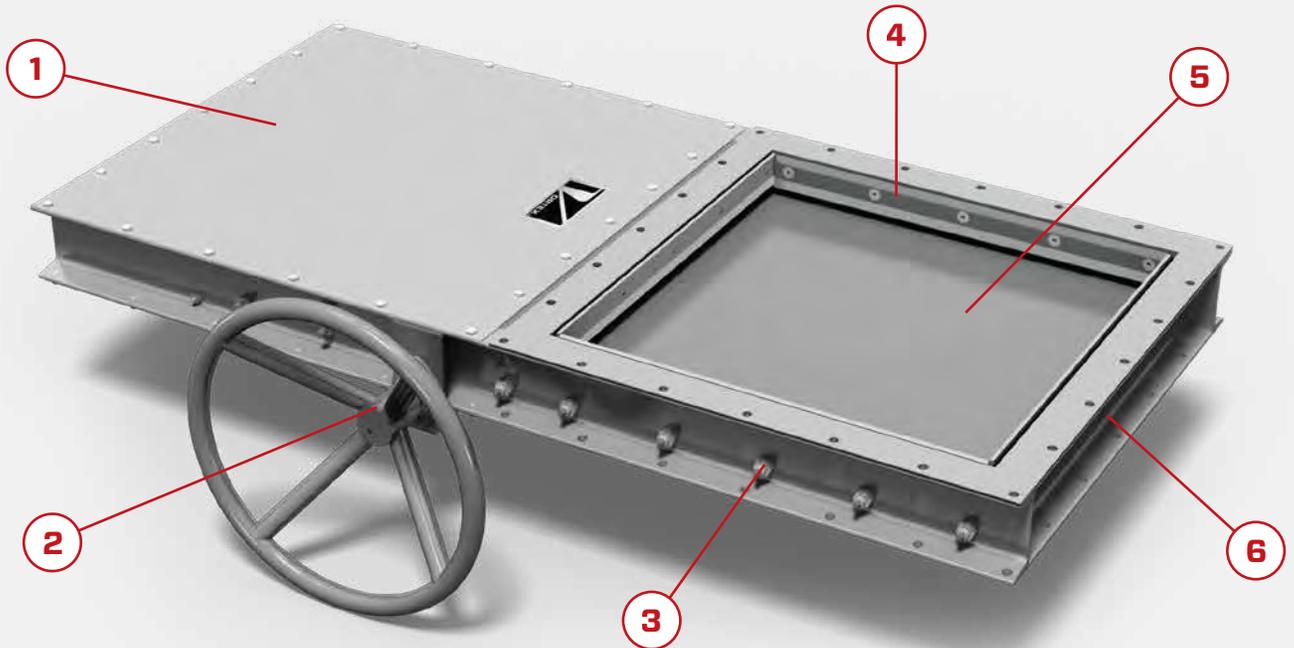


Aggregate Gate

The Vortex Aggregate Gate is a more economical solution to handling larger, abrasive aggregates where internal sealing of finer material is not an issue. The aggregate gate handles dry material in gravity flow applications and is available in a wide range of configurations with rectangular sizes, customer specific hole patterns and actuation options.

Conveying Types :

- GRAVITY FLOW
- DILUTE PHASE PNEUMATIC CONVEYING
- DENSE PHASE PNEUMATIC CONVEYING


1 Safety Bonnet Cover

Internal parts are protected by a removeable bonnet cover allowing for in-line maintenance

2 Actuation Options

The following actuation options are available: air, chain wheel, electric, hand crank, hand wheel, and hydraulic

3 Hardened Steel Rollers

Externally greased hardened steel adjustable rollers are used to keep the blade in contact with the seat

4 Material Deflectors

Deflectors placed around the inlet of the valve keep material away from the rollers and in the material flow stream

5 Optional AR Blade

The optional abrasion resistant blade reduces wear and significantly increases the life of the valve

6 Displacement Pocket

A displacement end pocket helps prevent material jamming or packing upon closure of the blade

+ Higher Temperatures

The Aggregate Gate is capable of being modified to handle higher temperature applications up to 600° F

+ Available Sizes

Standard sizes range from: 6" - 24" (150mm - 600mm)
Contact us for custom sizes

+ Materials Handled

Designed to handle highly abrasive materials: minerals, frac sand, fly ash and whole grains



For application photos or a complete list of specifications and dimensional drawings, visit
WWW.VORTEXVALVES.COM



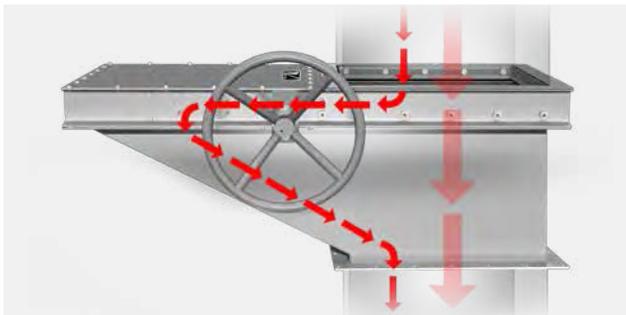
Wear Reducing Material Deflectors

The Aggregate Gate's material deflectors are placed around the inlet of the valve and protect it from the material flow stream. By deflecting material away from the hardened steel rollers and blade seals this feature significantly reduces wear and downtime keeping the valve in service longer.



Displacement End Pocket

The Aggregate Gate utilizes a displacement end pocket that is similar to the TSG Gate but not as pronounced. Instead of packing or jamming material into an end seal, the blade stops part way into the pocket. Material falls away from the blade and re-enters the material flow stream area. This feature can reduce downtime costs related to maintaining and replacing end seals.



Optional Return Pan

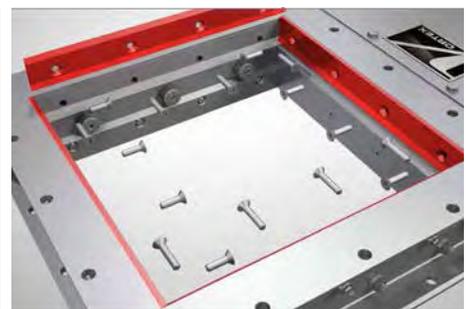
Since the Aggregate Gate is not designed to seal fine material internally or to atmosphere, a material return pan can be added. With this feature, material that enters the bonnet of the valve is returned to the material flow stream, thus reducing material leakage to atmosphere.



Bonnet cover removal allows access to internal components



Exterior grease zerks for easy maintenance



Material deflectors and blade seals can be replaced extending valve life