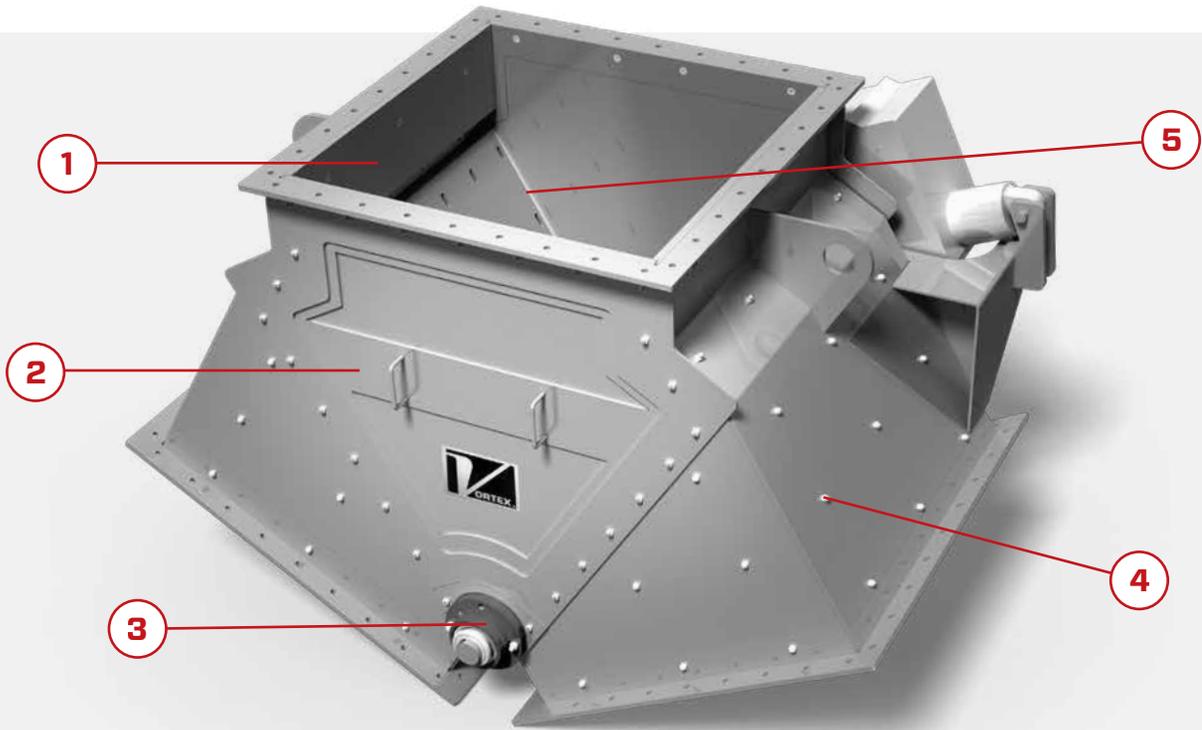


TLD Diverter

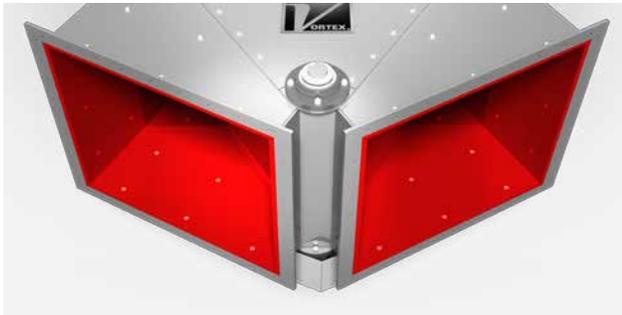
The Vortex TLD Diverter is designed for use in gravity flow applications handling abrasive materials such as coal and frac sand. Material from one source can be diverted to two destinations. The TLD Diverter offers replaceable wear liners for added abrasion resistance and a removable access panel for internal inspection, cleaning and maintenance.

Conveying Types :

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

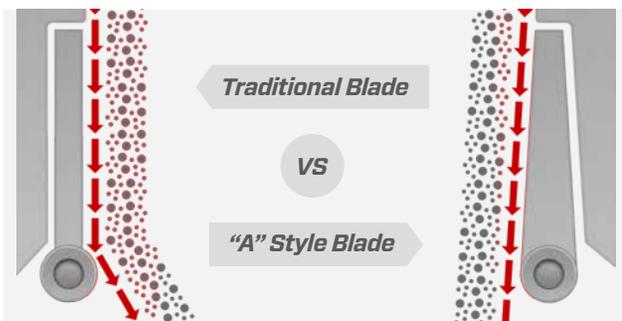


- 1 Protected Blade**
The leading edge of the blade is positioned into a recessed area to reduce wear from the material flow
- 2 In-line Access Panel**
Allows for inspection, cleaning, or maintenance of the diverter while keeping the valve in-line
- 3 Loaded Shaft Seal**
Prevents material from migrating to the off leg or packing into an internal cavity
- 4 Wear Resistant Liners**
Replaceable abrasion resistant liners significantly reduce wear and increase the service life of the valve
- 5 Tapered Blade Design**
Reduces wear to the shaft and eliminates the “ski jump” effect as material passes through the diverter
- + Positive Material Seal**
The TLD offers a positive material seal which reduces material leakage to atmosphere
- + Available Sizes**
Standard sizes range from: 16" - 36" (400mm - 900mm)
Contact us for custom sizes
- + Materials Handled**
Designed to handle highly abrasive materials: minerals, frac sand, fly ash and whole grains



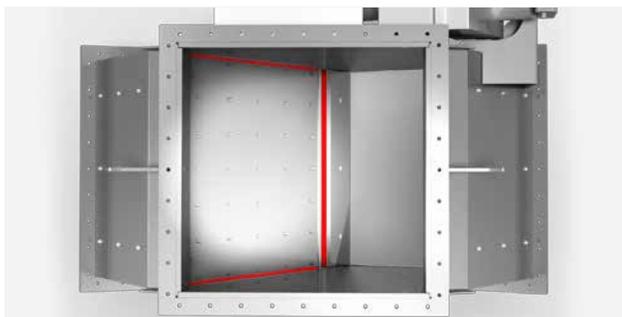
Abrasion Resistant Liners

The TLD features abrasion resistant liners that can be constructed out of a variety of material options including AR steel, chromium carbide and ceramic. The liners are replaceable and can significantly increase the life of the valve.



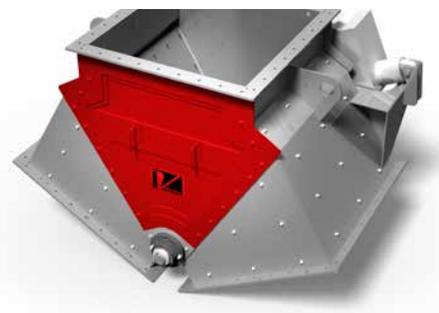
Protected & Tapered Blade Design

The leading edge of the blade is protected from the material flow stream by resting under a recessed ledge reducing wear. The TLD also features an “A” style blade that reduces wear on the shaft and eliminates the “ski jump” effect as material travels down the blade and through the diverter.



Blade Side Seals & Shaft Seal

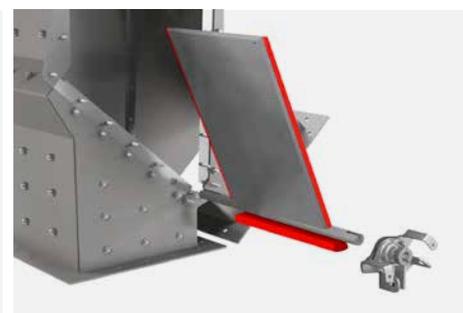
The TLD utilizes blade and shaft seals to keep material in the flow stream and from migrating to the off-leg of the valve. These seals are replaceable while the valve is in-line through the front access panel. This feature makes for easy maintenance and can help significantly reduce downtime, as well as, reduce leakage of material to atmosphere.



The front access panel gives easy access for in-line maintenance



Interior liners are replaceable while in-line and extend the life of the valve



Blade and shaft seal are replaceable while in-line