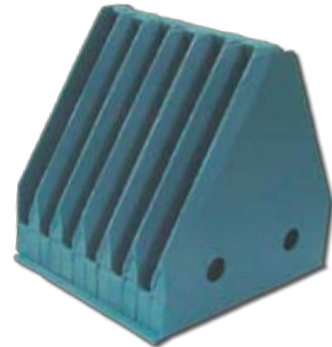


Riffle Element Options

With three riffle element design choices, R-V Industries provides the customization and quality you have come to rely on. Choose from the original equipment, mid-cut or coarse cut models. The mid and coarse cut designs are used to minimize system pressure drop and maximize primary air flow. Cast, fabricated and ceramic lined distributor housings are also available.

Original Equipment

- Made to original equipment specifications
- Smallest openings of the three designs



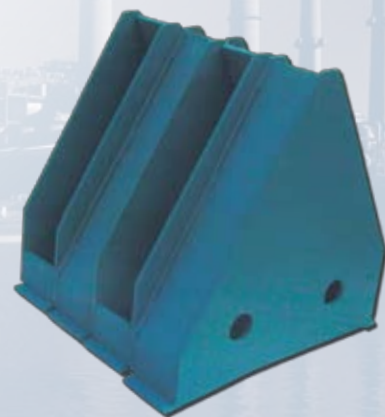
Mid-Cut

- Assembled design with mid-sized openings
- Thicker material but lightest overall weight
- Lowest cost design
- Reduced pressure loss
- Material options include carbon steel, AR400 and AR500



Coarse Cut

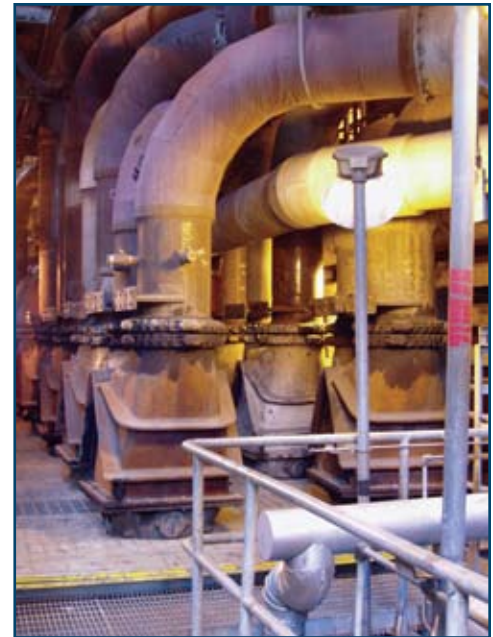
- Sectional design provides easier handling and allows for replacement of worn sections
- Widest opening size of the three designs
- Material options include carbon steel, AR400 and AR500



Adjustable Riffle Assembly

Balanced coal and primary air flow have shown to improve combustion in the furnace and help eliminate numerous related burner problems. R-V's adjustable riffle assemblies allow you to redistribute coal flow online ***without restricting primary air flow***. R-V assemblies offer:

- Complete housing replacement
- Modification kits for existing housings
- 2 or 3 way distribution applications
- The perfect compliment to online coal flow measurement systems



Typical OEM distributor arrangement for application of R-V adjustable riffle



EPRI closed loop flow tests evaluated the R-V adjustable riffles' ability to control coal and transport air flow under simulated plant conditions. The results showed that the adjustable riffle can redistribute coal flow from an 80% - 20% imbalance to a 50% - 50% balance without increasing pressure loss. Additionally, primary air distribution can also be controlled.



EPRI results prove that R-V's adjustable riffle can control both coal and PA flow distribution