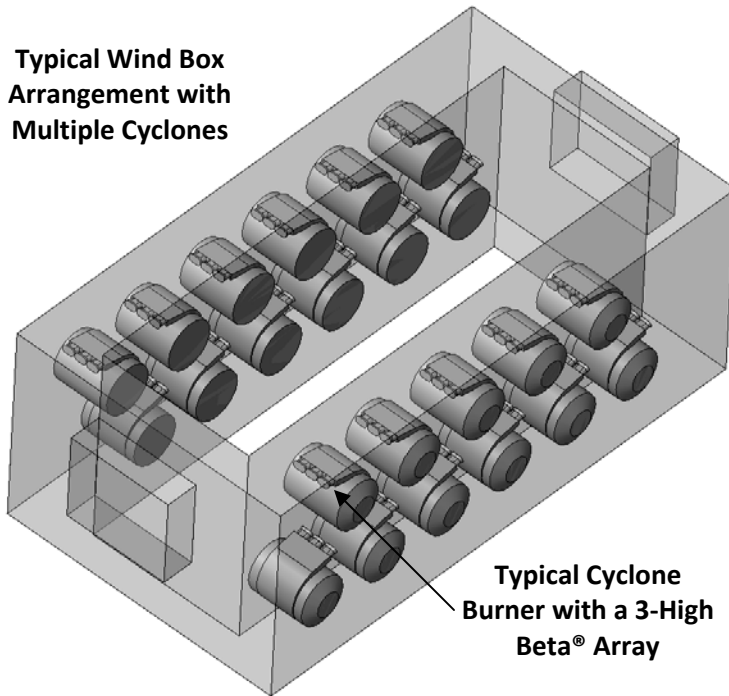


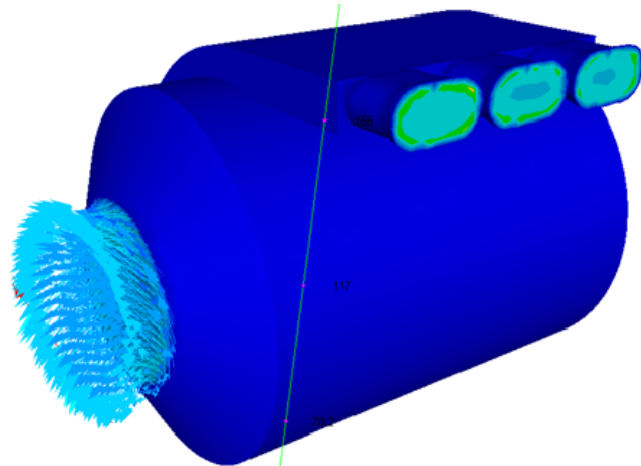
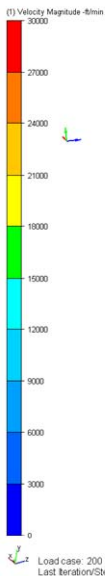
# Oval Shaped High Beta®

The proper flow measurement of the air and coal dust entering a cyclone burner is extremely important to the optimization of the combustion cycle in cyclone burner style power generation. Using patented High Beta® technology, Eastern Instruments has developed the oval High Beta® which has been optimized for accurate air flow measurement across the inlet of cyclone burners. The oval High Beta® array will improve the performance of the cyclone burner regardless of its position within a wind box and can actually reduce the overall static pressure of your system.

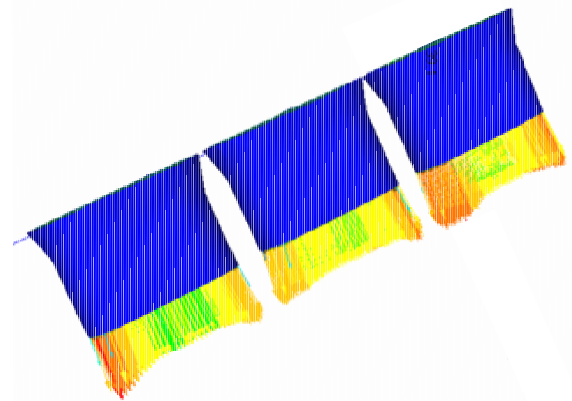
Typical Wind Box Arrangement with Multiple Cyclones



- Improves cyclone burner performance
- Offers control of the combustion cycle
- Profiles the flow of air entering the cyclone burner
- Easy, bolt on installation
- Plug resistant pitots resist fly ash plugging
- Can reduce overall systemic static pressure
- Results are independent of cyclone burner's position within the wind box
- Can reduce slag buildup, reducing maintenance and down time



Cyclone Burner shown with Velocity Vectors: Inlet is equipped with a 3-High Beta® Array



Cyclone Burner Inlet with Velocity Vectors Showing the Straightening Capacity of the 3-High Beta® Array