THE TECHNICAL MASTERPIECE FOR EFFICIENCY INCREASE AND REDUCTION OF ENERGY CONSUMPTION

Optimization becomes reality with the worldwide patented high performance cyclone HURRICLON® 3. This cyclone of the 3rd generation is based on the technical superior characteristics of the double dip tube design combined with the integrated HURRIVANE® technology. This combination improves efficiency & pressure drop by up to 50 % compared to conventional cyclones.

BENEFITS

- Reduction of pressure drop
- Reduction of energy consumption
- Reduction of dust load to filter
- Reduction of fan wear
- Enhancement of bag life
  (due to lower frequency of purging)
- EP Efficiency enhancement
- Fan power reduction or use of the total power of the fan to increase the volume flow for higher capacity utilization
  (increase of production)
- Reduction of space requirement and peripheral investment
- Better performance of plant

THE MOST IMPORTANT ADVANTAGES

- Best efficiency
- Best pressure drop reduction
- Less space requirement
EXAMPLES OF REALIZED PROJECTS

PRODUCT: HURRICLON®

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COLCLINKER - COLOMBIA

Cartagena plant

SITUATION BEFORE:
Multi-cyclones
Total gas quantity: 100,000 Am³/h
Dust load: 8 g/Nm³
Residual dust: 680 mg/Nm³
Separation efficiency: 80.3%

INSTALLED:
4 units HURRICLON® 1250 ST

REALIZED:
Residual dust: 167 mg/Nm³
Separation efficiency: 98%

ESSENTIAL ADVANTAGE:
- No filter after HURRICLON®
- No reasonable wear in HURRICLON® and fan after 4 years operation

Cementos Rioclaro - Colombia

Medellin plant

SITUATION BEFORE:
Multi-cyclones
Total gas quantity: 231,000 Am³/h
Dust load: 8 g/Nm³
Residual dust: 550 kg/h
Separation efficiency: 80.3%

INSTALLED:
6 units HURRICLON® 1600 ST

REALIZED:
Residual dust: 44 kg/h
Reduction of emission: 92%
Separation efficiency: 92%

ESSENTIAL ADVANTAGE:
- Significant reduction of emission without installing a filter
- Increase of clinker production: 15 t/d