

SICLONE™ MECHANICAL DUST COLLECTOR

Due to the attack of particles at low acute angles of impingement, a mechanical dust collector can incur extreme abrasive wear issues. By replacing existing metal components with our SiClone ceramic components, you can expect an improvement in abrasion resistance that will lead to a campaign life that is up to 10 times longer than compared to cast iron or Ni-hard parts.

Blasch high-performance OXYTRON™ and ALTRON™ SiClone Mechanical Dust Collector components are engineered to replace existing steel components, providing structural reliability and ease of installation, weighing 38% less than their steel counterparts.

With Blasch's patented and precise casting process, changes in geometry have resulted in a new generation of ultra-high efficient multicyclones. Dimensional accuracy and geometric tolerances, like roundness, have allowed us to design components that far exceed the traditional metallic castings.

Product Details

- Surface of ceramic multicyclone is extremely smooth
- Rounder internal diameters
- Precast Silicon Carbide construction

Benefits

Blasch's SiClone Mechanical Dust Collectors exhibit exceptional wear resistance with benefits including:

- Optimized separation efficiencies
- Maximized cyclone life
- Collection tubes, outlet tubes, and vanes engineered to be direct replacements for units in the field
- Higher temperature capability

Typical Applications

- Power plants and industrial boilers (coal, biomass, bagasse, wood, hog fuel)
- Pulp and paper
- Cement plants (clinker dust)
- Steel and iron ore pelletizing plants
- Mining and milling
- Coke processing
- Materials handling



SiClone™