

MULTI CYCLONE DUST COLLECTOR



APZEM Multi cyclone dust collector & Multi cyclone separator works on the same principle as single cyclone dust collector using inertia & Centrifugal force forming dual vortex to separate heavier dusts from dust laden gas. The efficiency of a cyclone separator in collecting finer dusts is highly depends on the amount of centrifugal forces created and longer residence time to allow more dusts to settle down

MODEL NO	DESCRIPTION
MCD100	Multi cyclone, custom designed

APPLICATION

- Pulp and paper
- Cement plants
- Mining and milling
- Coke processing
- Materials handling
- Rubber and plastics
- Clay, glass and ceramics
- Oil
- Rockwool
- Lime dust
- Glass beads
- Sludge
- Sulfur dust
- Sinter dust
- Clinker cooler dust
- Iron ore pellets/dust
- Kalor dust
- Rice hulls
- Petroleum coke
- Wood waste/bark (various types)
- Coal (various types)
- Miscellaneous refuse

ACCESSORIES

- Centrifugal Blower
- Rotary air locks valve
- Spiral Ducts
- Flexible duct
- Duct clamp
- Dust collection drum (optional)
- Suction hoods
- Dampers

FEATURES

Heavy-Duty Construction

All components are designed for rugged service by an experienced collector team totally familiar with collector operation. Each application is individually evaluated based on the severity of service and previous field experience.

Completely Shop-Assembled

All collectors are custom-fabricated and completely assembled to the extent practical for shipment. This results in minimum erection man-hours and handling at the installation site.

Cast Collecting Tubes

Special cast tubes give uniform wall thickness and maximum Brinell hardness for prolonged service-life. The mounting flange at the top of the collecting tube is an integral part of the casting. Four studs provide secure, gas-tight mounting.

Replaceable Dust Discharge Boots

Sturdy cast iron boots are at the base of the collecting tubes where the greatest wear occurs. Each boot bolts in place for quick, economical replacement compared to more costly tube designs which utilize an integral tube bottom.