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PROPERTIES OF AKTS AND ASKT FLY ASH CYCLONES AND SEPARATOR FLY ASH TRAPS

- Fly Ash Trap Cyclones are used for trapping coarse grained particles in dedusting plants Cyclones are not suitable for operation with fine grained dusts because of their structure and operational principle. Also cyclones serve as first stage dust trap before filters in systems where dust load is high and reduces dust load for filter system. So that it is possible to use filter unit more efficiently.
- Flue gases which are generated after firing in solid fuel and particularly coal firing boilers is very fouled depending on sulfur amount in coal. Although this ash is reduced by constructive precautions which are taken inside boiler, they are partially drifted by flue gases and they are thrown as fly ash behind boiler after being drifted by flue gases.
- Fly ash traps which are used for preventing pollution of environment because of fly ashes are in multicyclone type and they have small cyclones in inner parts. Particles which are settled in cyclones by centrifugal effect are accumulated within bunkers and

they are easily taken out by opening the cover at bottom side. Also some of sulfur dioxide which is formed after combustion are collected together with these fly ashes before they are discharged to environment

- Majority of particles (85%) located in flue gases which pollute the environment and harmful to environment are trapped by use of multicyclone type fly ash traps. So that enterprise and surrounding are protected against harmful effects of flue gases.
- Separator type fly ash traps, trap the coarse particles within flue gas in first stage, fine particles, flue gas within emission are washed by washing out system in second stage.
- Fly ash trap cyclones can be manufactured from stainless of black steel sheet. Also it has wet and dry types and desired type can be chosen for settling the particles.