

TXP Ceramic Cyclone Dust Collector



TXP ceramic cyclone dust collector is a new type of cyclone dust collector designed on the basis of many kinds of cyclone dust collectors and adopts Stayman's highest optimization coefficient structure type. The inner shell and the components are built using ceramic barrels to ensure their anti-wear properties. Not only the service life is guaranteed, but also the steel consumption is reduced, which reduces the cost of the equipment and the maintenance cost. Solved the problem of cyclone dust wear.

TXP Ceramic Cyclone Dust Collector Dust removal mechanism:

The TXP ceramic cyclone dust collector utilizes the effect of the peak of the velocity field distribution in the cyclone drum on the rise of smoke and sets up the riser and the secondary separation chamber and the intermediate exhaust pipe. The flue gas swirls from the inlet into the barrel at the design speed, and the dust is separated by centrifugal action. The dust separated from the top and bottom settles along the barrel to the ash tank; the flue gas rises along the diameter of the cylinder around 0.6 at the peak speed of the swirling flow. The part of the flue gas containing a higher concentration of fine dust swirls along the rising drum wall into the secondary separation chamber at high speed and then returns to the cone through the bypass duct. The secondary separated dust falls to the bottom of the cone and sinks into the same separated dust. Ash tank. The secondary separated flue gas is discharged from the middle exhaust pipe through the outlet. Since the swirling speed of the rising cylinder is much higher than that of the main cylinder, the fine dust can be effectively separated. Greatly improve the overall dust removal efficiency.



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TXP Ceramic Cyclone Dust Collector Adaptation scope and description:

- TXP ceramic cyclone dust collector is suitable for dust removal with relatively dry dust.
- To adapt to the use of high-temperature gas conditions below 400 °C.
- Can be used as a production process for the efficient recovery of various materials.
- To adapt to 0.5-60t / h layer boiler or as a front-burner flue gas purification use.

Contact [SENOTAY](http://www.senotay.com) for more dust removal equipments.