

## **XGD/W Efficient Ceramic Multi-Pipe Dust Collector**



### **XGD/W Efficient Ceramic Multi-Pipe Dust Collector Introduction:**

XGD/W type high-efficiency ceramic multi-tube dust collector is a new product jointly developed by our company and Tangshan Steel Design Institute. Passed the technical appraisal of the State Environmental Protection Administration and the Hebei Provincial Science and Technology Commission, and cooperated with the Design Institute of Hebei Metallurgical Design Institute, Shougang, Anshan Iron and Steel, and Jinan Iron & Steel to open up a new path for ceramic multi-tube dust collectors. This product is widely used in the treatment of industrial furnace cell waste pollution. The treated air pollutants all reach GB9807-1996 "Emission Standard for Air Pollutants in Industrial Furnaces".

### **XGD/W Efficient Ceramic Multi-Pipe Dust Collector Structural features:**

XGD/W type high-efficiency ceramic multi-tube dust collector mainly consists of equipment housing, net gas room, dust removal room, air inlet, air outlet, ash hopper, and ash discharge port. There is a combination of upper plate, low plate, and cyclone. to make. According to the different parameters such as air volume, air pressure, and dust particle weight required to process, cyclones of different specifications are built.

Dust-laden gas enters the dust chamber through the air inlet of the dust collector, and then enters each cyclone. Under the action of the guide, the exhaust gas entering the cyclone is separated by the centrifugal force and falls directly into the ash hopper. The purified gas enters the purging chamber upwards in the outlet core tube and is discharged from the outlet.



Hebei Outai Environmental Protection Equipment Co., Ltd.

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### **XGD/W Efficient Ceramic Multi-Pipe Dust Collector Features:**

- The main components-cyclone, guider, and gas outlet pipe are made of ceramics and other materials. They are not deformed or broken under the conditions of high temperature (up to 700°C) and low-temperature difference.
- Ceramic cyclone and guide surface smooth, non-stick ash, non-blocking, corrosion resistance, wear resistance, high hardness, the service life of up to 6 to 8 years.
- Investment is small, its investment is 1/2 of the electric dust collector, management and maintenance cost less, and the service life is more than three times that of other dust collectors.
- High efficiency, low resistance, a dust removal efficiency up to 95%, resistance 800pa, secondary dust removal efficiency up to 98%, resistance is 1200pa.
- It shows its advantages in the treatment of the special flue gas with high corrosiveness and high temperature and heat energy recovery. The operation is simple, the management is convenient, the operation cost is low, no cooling measures are taken, water is saved, and the cost of heat recovery is greatly reduced.

### **XGD/W Efficient Ceramic Multi-Pipe Dust Collector Application scope:**

- Applicable to various types of coal-fired heating furnace, coal-fired boilers of various types of civil power plant, industrial boiler flue gas treatment.
- Applicable to the dust treatment and recovery of mines, sintering machines, pellets, rotary kiln, a shaft furnace, refractory, steel-making, steel rolling and other working conditions in various steel industries.
- Suitable for cement rotary kiln, dryer, and various smelting dust treatment and recovery.
- Applicable to the treatment of high-temperature gas dust in blast furnace and converter coke dry quenching, and improving the heat recovery rate. Take water and eliminate sewage treatment to prevent explosion danger during gas recovery.

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