



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 50566-2010

**Code for installation and quality acceptance of metallurgical
dedusting equipment**

冶金除尘设备工程安装与质量验收规范

(English Translation)

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1.0.1

This Code is formulated with view to regulating the installation of metallurgical dedusting machinery and equipment engineering, unifying the construction quality acceptance criteria and safeguarding the engineering installation quality.

1.0.2

This Code is applicable to the installation and quality acceptance of dedusting machinery and equipment engineering in the coking plant, refractory plant, sintered plant, ironworks, steelworks, continuous casting plant, rolling plant and power plant in the metallurgical engineering construction.

1.0.3

The variety, specification and performance of raw materials, semi-finished products and finished products used for installation engineering of metallurgical dedusting machinery and equipment must comply with the relevant current standards of the nation, and it is strictly prohibited to use the products explicitly ordered by the State to be eliminated.

1.0.4

The installation and quality acceptance of metallurgical dedusting machinery and equipment shall not only meet this Code but also comply with those in the current relevant ones of the nation.

2.0.1 Corona polar

Electrode of electrostatic deduster where high voltage direct current is applied to ionize the gas.

2.0.2 Precipitation polar

Electrode of electrostatic deduster collecting dust.

2.0.3 Air flow distribution orifice

Orifice allowing entrance flow being uniformly distributed on the cross-section of deduster.

2.0.4 Baffle board

Gas baffle set in the electric field to prevent air flow bypass (short circuit).

2.0.5 Decompression valve

Valve installed on the dedusting equipment, which can automatically open to relieve pressure in case of exceeding the specified pressure.

2.0.6 Cyclone

Tapered tube of rotating flow deflector, which can generate centrifugal force.

2.0.7 Tubesheet

Orifice fixing several filter bags, airways and outer sleeves.

2.0.8 Sintered plate

Deduster filter cartridge installed in the sintered plate deduster shell and used for filtering oily and dusty gas.

2.0.9 Wall column

Outer frame column of the deduster box structure.

2.0.10 Wall beam

Cross beam installed in the deduster box structure and connected with the outer frame column.

2.0.11 Bottom beam

Bottom supporting beam of the deduster box structure.

2.0.12 Filtering bag

Bag used to filter dust.

2.0.13 Bag basket

Keel supporting the filtering bag.

2.0.14 Throat

Contraction part of contraction tube and expansion tube in the Venturi tube.