



Standard Hot Gas Cleaning Filter

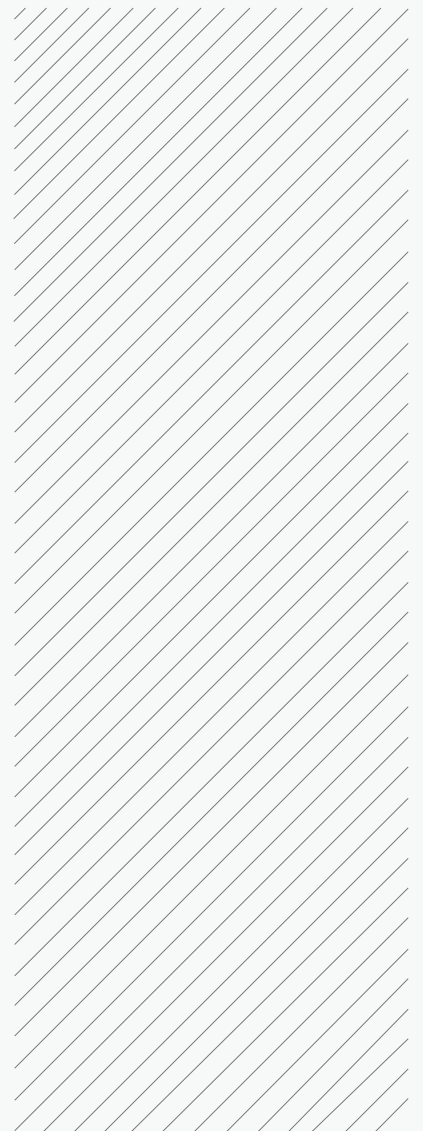
Weave Impossible to Possible



BOEDON Industech Limited

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BOEDON Brochure



We can offer **sintered porous candle filter** with good air permeability and stable separation effect to meet your **chemical filtration** demands.

Standard hot gas cleaning filter is a kind of filter bag made of metal powder by sintering into flexible metal powder sintered filter sheet, then cut into suitable size to fit for the cage bone, and welded to the cage bone. Its filtration efficiency is 2 times of the bag filter under the same working conditions and resistance. A metal ring is welded at the opening of the flexible metal membrane for installation and positioning. Hexagonal metal gasket is used for the sealing of the metal ring and the installation plate to prevent the leakage of dust removal gas.

Standard Hot Gas Cleaning Filter



STANDARD HOT GAS CLEANING FILTER

Specification

Working temperature: ≤ 450 °C

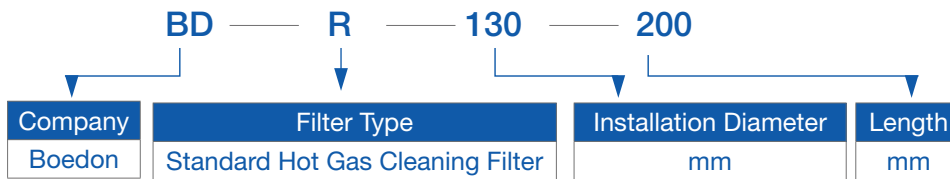
Wall thickness: 0.5–1 mm

Porosity: 30% – 70%

Dust content after filtration: ≤ 5 mg/Nm³

Retained dust particle size: ≤ 0.1 μm

Air permeability: 100 m³/(m²·h)



Popular Specification of Standard Hot Gas Cleaning Filters

Model	Installation Diameter (mm)	Diameter d (mm)	Length l (mm)	Filter Area (m ²)
BD-R-130-200	130	128	2000	0.82
BD-R-130-250	130	128	2500	1.02
BD-R-130-450	130	128	4500	1.84
BD-R-160-200	160	158	2000	1
BD-R-160-250	160	158	2500	1.26
BD-R-160-450	160	158	4500	2.26

Notes:

- Installation diameter refers to the diameter for filter installed on the installation plate.
- Other specifications are available upon request.

STANDARD HOT GAS CLEANING FILTER

Features & Application

Features

- Maximum operating 450 °C
- 2 times of dust removal capacity compared with bag filters.
- Corrosion resistance, can withstand corrosive gases.
- Metal structure offers great abrasion resistance.
- Good electrical conductivity
- Good performance and easy machining performance

Application



Power Plant

- Coal-fired boiler flue gas purification and dust removal



Cement

- Cement industry fuel gas purification and dust removal



Iron & Steel

- Sintering machine produced flue gas dust removal
- High-precision gas-solid separation of high-temperature gases



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