

S SERIES SAMPLING SYSTEMS

# S200 Emission Filter

## Mineral Exploration



## S200 Emission Filter Specifications

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Emission Filter dust collectors ensure the safety of operators and protection of the environment. The Sandvik Sampling Systems Emission Filter is designed to prevent dust emissions from entering the atmosphere during the drilling process.

It can be used with or without a sampling system and incorporates an exhaust fan that is designed to overcome sampling system pressure drops and convert high positive drilling air pressures leaving the drill string into manageable negative pressures. This provides expansion space for the drilling air, particularly when lifting off bottom, and thereby vastly increases filter bag life and prevents dust leakage during sampling & filter cleaning.

### S200 Emission Filter Special Features

1. Venturi assisted, reverse jet pulse “in-process” filter cleaning.
2. “Pulse-on-Demand” filter cleaning for vastly increased filter life.
3. 60% reduction in compressed air consumption.
4. Twin, compact “dwarf” hoppers with micro “pepper pot” discharge option.
5. 40% smaller than other equivalent collectors.
6. For use with or without a sampling system.
7. 40% reduction in weight.
8. Durable, washable, shallow pleated filters last up to 4 years in operation.
9. Suitable for drilling compressor air supplies of up to 2,000 cfm.
10. Emits <10 mg/m<sup>3</sup> dust – guaranteed.
11. Easy-access, quick-release filters with inspection hatches.
12. Filter support grid at base.
13. Differential pressure transmitter to monitor filter condition with 4-20mA output.
14. Cleans at 40% lower compressed air pressures than other collectors.
15. No tools required to change filter bags.
16. Filter bag life in excess of 1 year.
17. Wet drilling isolation.

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## Air Volume

Up to 2,000 cfm

## Dimensions

1,150 mm long x 600 mm wide x 2,150 mm high

## Estimated Weight including fan & motor

510 kg

## Hopper Discharge Seal

Lay flat sock, micro “pepper pot” (see photo) or quick release cover

## Electrical Supply

24 VDC

## Hydraulic Consumption

60 lpm @ 800 psi

## Pneumatic Consumption

480 lpm @ 50 psi



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