

SFC-SC SERIES



Central Vacuum Cyclonic Pre-Filter

EFFICIENT, CYCLONIC CHAMBER SEPERATES DUST PARTICLES

The cyclonic chamber is used as a pre-filter in central dust and fine systems to protect the vacuum pump from damage. It operates as part of a central conveying system. The centrifugal force from the intake air causes the spinning motion of the rotor to separate particles from the air stream. The unit is 85% efficient up to 15 microns.

Sterling central filters are designed for continuous, 24 hour operation and to protect the central vacuum pump. Pre-filters are used in high dust loading applications, and create cyclonic motion to separate large dust particles from the air stream. Pre-filters are recommended when conveying dusty materials and high levels of regrind materials and must always be used in conjunction with a central filter, which needs to be purchased seperately.



Features

- Leg kit for floor mounting
- Filter surface area of 50 sq. ft. (4.62 m³), rated for systems up to 360 cfm
- Extreme duty filtration for high dust loading applications
- Designed for central conveying applications
- Significantly increases the life of the central filter element
- Wall-mount configuration
- See-through plexiglass collection chamber with quick disconnect clamps
- Line sizes available: 1.5 (40 mm), 2 (50 mm), 2.5 (65 mm), 3.0 (76 mm), 3.5 (89 mm), 4.0 (102 mm)
- Patented design
- The SFC-SC pre-filter is 85+% efficient up to 15 microns

Options

- Leg kit for floor mounting

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RUGGED, MODULAR CONSTRUCTION

The central filter is made out of corrosion- and abrasion-resistant stainless steel, aluminum, and non-corrosive engineering resin. The see-through collection chamber is easily removed by quick disconnects. The unit is easy to operate, access, and maintain.

Note: Consult factory for glass-filled material conveying applications

HOW IT WORKS

Dirty air from process enters here

Dirty process air passes through the unique SFC-SC pre-filter.

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Cleaner air then proceeds to the primary pump central filter

SFC-S Central Filter

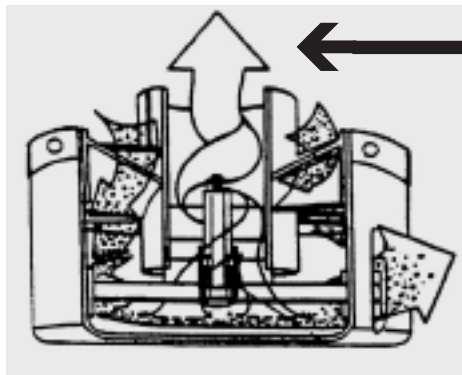


Clean, filtered air goes to the vacuum pump

85+% of 15 micron and larger dirt particles are ejected into the collection chamber. Design features of the SFC-SC minimize particles from re-entering the air stream.

Note: A central filter is required and must be used in conjunction with this pre-filter

SFC-SC AIRFLOW



Cleaner air proceeds to the central filter

Dirt particles exit into the collection chamber