

SIS Charcoal Filters - With Replaceable Elements

Small Compact Straight Through Inlet Air Filters with Replaceable Hockey Puck Filter Element
Flow through Capacity Up to 35 CFM (43m³/hr) - Now Available in Two Inlet Sizes

Features

- Activated Carbon Replaceable Filter Element
- High Efficiency Filtration
- Low Operating Cost
- For Vacuum or Low Positive Pressure Flow
- Durable Carbon Steel Housing
- Available with 1/4" or 1/2" NPT Connectors
- Small Compact Size - Only 2.5" Diameter
- Temperature (continuous) min -26°C max 104°C



The SIS Charcoal Filters are routinely used on exhaust ports of vacuum pumps and other equipment to adsorb remaining air contaminants such as oil, aerosols, hydrocarbons and trace moisture. They also trap all foreign solid particles such as dirt, dust, rust, and pipe scale down to 10 microns in size. In addition, the SIS Charcoal Traps can be used for efficient adsorption and removal of organic vapors and aerosols, noxious odors, certain foreign gases, bacteria, and are efficient in removing certain organic vapors and aerosols from compressed air and vacuum air.

Available in Two Sizes

The SIS Charcoal filters are available with either 1/4" or 1/2" NPT male fittings (National Pipe Threads) on both ends.

Adsorption Capacity

The activated carbon used in the manufacture of the SIS Charcoal Filters has a huge internal and external surface area with an affinity for adsorbing organic contaminants. Each gram of carbon has a surface area of approximately 1500 sq. meters, making these filters particularly efficient for most air purification and gas phase applications.

Actual adsorption capacity can be as high as 80% of carbon weight depending on the specific compound being removed. Generally (but not always) adsorption capacity increases with molecular weight, boiling point, and concentration of contaminants. Compounds with low molecular weight, and/or highly polar compounds will not be sufficiently adsorbed at low concentrations.

Applications

- Vacuum Pump Exhaust
- Low Pressure Applications
- Vacuum Packaging
- Intake Suction Filters
- Vacuum Lifters
- Pneumatic Conveyers
- Factory Automation
- Leak Detection
- Woodworking
- Intake Suction Filters

Available with either 1/4" or 1/2" NPT Fittings

Twist on Metal Cap with 1/4" or 1/2" NPT Fitting

Replaceable Charcoal Filter Element

Bottom Metal Cap with either 1/4" or 1/2" NPT Fitting

Adaptors available for conversion to NW25 fittings



Dimensions			
Part No	Inlet Size	Diameter	Overall Length
CSS-AC-10-050	0.50 NPT	4.13"	5"
CSS-AC-10-025	0.25 NPT	4.13"	5"

Replacement Element

The filter elements in the SIS Charcoal Filters are easily replaced. The activated carbon replacement elements are low in cost and disposable.

Part No.	Description	Price Ea.
CSS-AC10-050	SIS Charcoal Filter, 0.5" NPT Fitting	
CSS-AC10-025	SIS Charcoal Filter, 0.25" NPT Fitting	
AC10S	Carbon Replacement Element	



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