Depth Filter Cartridge

ScottCart Carbon

High Performance Food and Beverage Grade Carbon Block Cartridge

Technical Data
Dimensions: 30" Code 7

Sterilization and Sanitization:
Steam: 249.8°F (121°C) for 15 mins (20 cycles)
Hot Water: 194°F (90°C) for 30 mins (3psi or 0.2 bar Δp max)

Max. Operating Conditions Temperature: 176°F (80°C)
Recommended change-out differential pressure: ≤ 36dpsi (2.5 Bar Δp)

Flow Rates:
Recommended flow rate at ambient temperature: 1.5-3 gallons per minute (gpm) per 30" cartridge
Recommended flow rate at ≤ -40°F: 0.5-1 gpm/30" filter

All ScottCart Carbon cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Description
ScottCart Carbon offers the very best in activated carbon technology. The cartridge is manufactured using a unique sintered carbon that is specifically designed for maximum decolorization and organic contaminant reduction. It offers far superior adsorption levels when compared to other carbon block cartridges. ScottCart Carbon is an extremely economical and effective solution to many common liquid treatment applications where the reduction of color, organics and other impurities is required. The carbon block is made using a high purity micro-porous, acid washed, steam activated carbon and is particularly suited to food and beverage applications.

Feature & Benefits
- Combination of both granular and powdered activated carbon offers superior contaminant adsorption levels
- Low volume pre-use flush required compared to lenticular modules
- High activated carbon content per module results in the use of smaller installations, less space required and lower costs
- Convenient low-weight cartridge format is easy to handle and cartridges can be changed-out without using lifting gear, special tools or other apparatus
- High purity micro-porous steam activated powdered carbon is particularly suited to removal of colored impurities from pharmaceutical and food and beverage product stream
- Graded density prefiltration layer protects carbon block offering extended life
- Thermally bonded construction eliminates fluidizing, channeling and bypass
- All polymeric support structure offers excellent chemical compatibility
- Each cartridge is embossed with an identification number and fully traceable

Industries & Applications
- **Food and Beverage:** Color and odor reduction in beverages including
  - wine
  - seltzer
  - distilled spirits
  - botanical extracts
- **Water Treatment:** Removal of chlorine, ozone, odor, color and trace organic compounds
- **Pharmaceutical and Fine Chemicals:** Removal of colored impurities from product and solvent streams

Product Features
- Unique sintered block using both granular and powdered carbon
- Spun bonded polypropylene prefiltration layer
- Modular construction in 30", Code 7 adapter

The ScottCart Carbon cartridge uses a unique sintering process that combines both granular and powdered activated carbon. This results in the highest available surface area for adsorption of contaminants. The carbon block is protected by a spun-bonded, pure polypropylene fiber prefiltration layer, to produce a unique high-performance cartridge, offering superior throughput and consistent filtrate quality.

ScottCart Carbon cartridges are manufactured using the latest thermal welding technology, eliminating bypass commonly associated with adhesive bonded carbon containing media. This results in a robust and durable filter assembly. They are suitable for a wide range of process conditions, including use in the harsh operating conditions encountered in pharmaceutical API plants, food and beverage applications and water filtration.