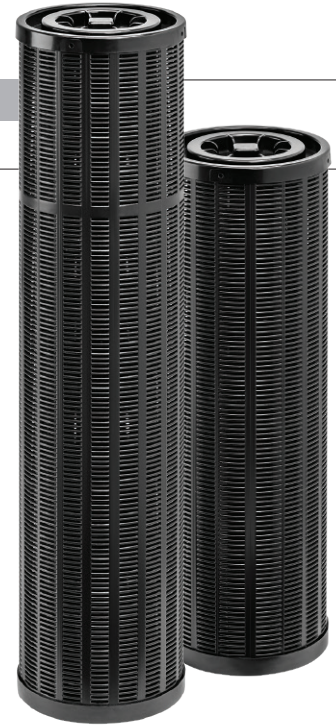


# SAAF Canister™

## CYLINDRICAL CARTRIDGES



The SAAF™ Canister delivery system is a plastic canister containing a one inch thick bed of chemical media. These canisters typically ship in a box of four and can easily be installed in existing holding frames without the need for any special tools. Each canister is supplied with an o-ring seal to prevent air bypass when locked into place on the holding frame.

### Construction

The SAAF Canister is constructed of acrylonitrile butadiene styrene (ABS). ABS canisters can be disposed of as industrial waste. The SAAF Canister is available in both 18" and 24" lengths.

### Media

The SAAF Canister is pre-filled with the user-specified media. Each canister is filled on a vibrating table to ensure uniform packing and to eliminate the possibility of air bypass. Typical media types by application are as follows:

| Type        | Typical Applications     | Contaminants  |
|-------------|--------------------------|---|
| SAAFCarb    | Grow Rooms & Outdoor Air | Hydrocarbons, VOCs, ozone   |
| SAAFCarb MA | Refineries & Paper       | H <sub>2</sub> S, SO <sub>2</sub>   |
| SAAFCarb MB | Fertilizer plants        | Ammonia, amines   |
| SAAFOxidant | Refineries & Chemicals   | H <sub>2</sub> S, SO <sub>x</sub> , NO <sub>x</sub> , formaldehyde              |
| SAAFBlend   | Airports & Museums       | H <sub>2</sub> S, SO <sub>x</sub> , NO <sub>x</sub> , VOCs, Ozone, hydrocarbons |

### Features and Benefits

- Sturdy, non-corrosive construction
- Industry standard dimensions
- Easily disposed
- Available with a variety of chemical media

### Application

Always ensure proper particulate filtration upstream of canisters. A minimum of a MERV 8 filter is recommended. Consider adding a dusting filter downstream of the canisters if the air is going to be recirculated.

The SAAF Canisters are typically assembled into a galvanized holding frame to fit standard side access filter housings. SAAF Canisters come factory-ready for installation. No special tools are needed to replace a canister. The individual canister seals and holds in the frame due to its unique seal and bayonet-style clamping mechanism.

| Model | Length  | Diameter | Volume               | Bed Depth | Face Velocity | Pressure Drop            | Weight |
|-------|---------|----------|----------------------|-----------|---------------|--------------------------|--------|
| SC18  | 17.7 in | 5.8 in   | 0.16 ft <sup>3</sup> | 1 in      | 95 ft/min     | 0.61 in H <sub>2</sub> O | 6.5 lb |
| SC24  | 23.6 in | 5.8 in   | 0.21 ft <sup>3</sup> | 1 in      | 125 ft/min    | 0.72 in H <sub>2</sub> O | 8.5 lb |

