

SAAF™ Canister

CYLINDRICAL CARTRIDGES

The SAAF Canister is a gas-phase canister filter consisting of a polymer housing containing a one-inch-thick bed of chemical media. It is part of the gas-phase filter family and removes different types of gases found in commercial buildings and industrial processing. The AAF SAAF Canister is interchangeable with existing canisters and has inner scrims to reduce media dusting and maintain cleanliness in the facility.

Construction

The SAAF Canister is constructed of acrylonitrile butadiene styrene (ABS), and comes in two models:

Model	Length	Diameter	Volume	Bed Depth	Weight
18"	17.7 in	5.8 in	0.16 ft ³	1 in	6.5 lb
24"	23.6 in	5.8 in	0.21 ft ³	1 in	8.5 lb



Filtration Media

The SAAF Canister comes pre-filled with the selected filtration 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:

Media Type	Impregnant	Target Gases	Typical Applications
SAAFOxidant	KMnO ₄ (Potassium Permanganate)	H ₂ S, SO ₂ Formaldehyde, Ethylene, NO _x	Refineries, Pulp and Paper, Labs, Wastewater
SAAFCarb	Virgin Activated Carbon	VOCs, Ozone, Hydrocarbons, Nuisance Odors	Cooking, IAQ, Painting, Outdoor Air
SAAFCarb MA	KOH (Potassium Hydroxide)	H ₂ S, SO ₂ , NO _x	Pulp and Paper, Wastewater, Exhaust
SAAFCarb MB	H ₃ PO ₄ (Phosphoric Acid)	NH ₃ , Amines	Fertilizer Plants, Petrochemical Plants
SAAFCarb MC	Na ₂ S ₂ O ₃ (Sodium Thiosulfate)	Cl ₂	Pulp and Paper, Wastewater, Water Treatment
SAAFCarb MA.HT	MgO (Magnesium Oxide)	H ₂ S, SO ₂ , Hydrocarbons	Pulp and Paper, Wastewater
SAAFBlend GP	50/50 Blend	SAAFCarb and SAAFOxidant	Helipad, Exhaust, Refineries, Urban Outdoor Air
SAAFBlend CB	80/20 Blend	SAAFCarb and SAAFOxidant	Cannabis Odors

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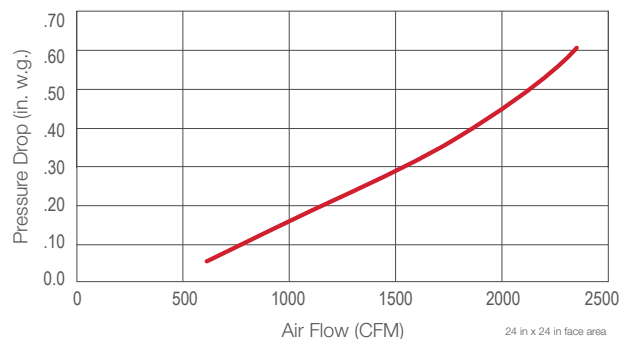
Installation

Canisters ship in a box of four and are easily installed in existing canister holding frames. No special tools are needed - the individual canister seals and holds in the frame due to the unique seal and bayonet-style clamping mechanism. Each canister is supplied with a gasket to prevent air bypass when locked into place on the holding frame.

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.

Performance

Initial Resistance vs. Air Flow



Part Numbers

Size	Item#	Description	Media
18"	100-00001-002	SAAF ADSORBER CANISTER, 450 MM W/OXIDANT	SAAF [®] Oxidant
	100-00001-003	SAAF ADSORBER CANISTER, 450 MM W/CARB	SAAF [®] Carb
	100-00001-004	SAAF ADSORBER CANISTER, 450 MM W/CARB-MA	SAAF [®] Carb MA
	100-00001-005	SAAF ADSORBER CANISTER, 450 MM W/CARB-MB	SAAF [®] Carb MB
	100-00001-006	SAAF ADSORBER CANISTER, 450 MM W/CARB-MC	SAAF [®] Carb MC
	100-00001-007	SAAF ADSORBER CANISTER, 450 MM W/CARB BLENDS	SAAF [®] Carb Blends
	100-00001-009	SAAF ADSORBER CANISTER, 450 MM W/CARB-MA/HT	SAAF [®] Carb MA/HT
	100-00001-012	SAAF ADSORBER CANISTER, 450 MM W/OXIDANT SC	SAAF [®] Oxidant SC
	100-00001-017	SAAF ADSORBER CANISTER, 450 MM W/BLEND CB	SAAF [®] Blend CB
24"	100-00002-002	SAAF ADSORBER CANISTER, 600 MM W/OXIDANT	SAAF [®] Oxidant
	100-00002-003	SAAF ADSORBER CANISTER, 600 MM W/CARB	SAAF [®] Carb
	100-00002-004	SAAF ADSORBER CANISTER, 600 MM W/CARB-MA	SAAF [®] Carb MA
	100-00002-005	SAAF ADSORBER CANISTER, 600 MM W/CARB-MB	SAAF [®] Carb MB
	100-00002-006	SAAF ADSORBER CANISTER, 600 MM W/CARB-MC	SAAF [®] Carb MC
	100-00002-007	SAAF ADSORBER CANISTER, 600 MM W/CARB BLENDS	SAAF [®] Carb Blends
	100-00002-009	SAAF ADSORBER CANISTER, 600 MM W/CARB-MA/HT	SAAF [®] Carb MA/HT
	100-00002-012	SAAF ADSORBER CANISTER, 600 MM W/OXIDANT SC	SAAF [®] Oxidant SC
	100-00002-017	SAAF ADSORBER CANISTER, 600 MM W/BLEND CB	SAAF [®] Blend CB



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