

# SAAFCassette™ Delivery System

- *Sturdy Construction*
- *Ease of Use*
- *Environment friendly*
- *Standard Dimensions*



## **Construction**

SAAFCassette delivery system consists of multiple individual cassettes in durable high-impact polystyrene (HIPS). This makes the cassette suitable for use in extreme weather and environmental conditions. The durable design ensures utmost system effectiveness throughout cassette life. SAAFCassette come factory-ready for installation. No special tools are needed to install and replace a cassette. The individual cassette seals and holds in the front access frame or side access tracking system due to its unique seal and sliding mechanism.

## **Cassette**

SAAFCassette is factory pre-filled with user-specific chemical media. Each cassette is weight and vibration filled to ensure that the media is uniformly packed. Each cassette is then plastic bagged and carton packed.

## **Choice of Construction Materials**

High impact polystyrene (HIPS) cassettes are standard. HIPS cassettes can be entirely disposed-off as industrial waste. Refilling is not required.

A wide range of alternative construction materials is available for the cassettes, including stainless steel and epoxy-coated steel. Metal canisters need to be emptied before the media can be discarded. Always follow the local, state or federal regulations.

## **Choice of Media**

SAAFCassette can be filled with a wide range of gas specific media or custom blends. These include standard SAAFCarb media or impregnated SAAFCarb media, SAAFOxidant and SAAFWideSpectrum. For details consult our Chemical Media brochure.

## **Application Guide**

Always use adequate prefiltration to avoid dust settling on the chemical media. This ensures optimized lifetime of the chemical filter system without increase of pressure drop. Prefiltration should be a compact, pleated or mini-pleated filter cell.

## **Service**

AAF International will be pleased to offer you a maintenance contract for your chemical filter system. This includes sampling, removal of the used elements, cleaning of the installation and installation of new elements. Disposal in accordance with regulations of the cassettes is part of our scope.

*Better Air is Our Business®*



# SAAFCassette™ Delivery System

## Specifications

Frame material	High impact polystyrene (HIPS), fully recyclable and incinerable Alternative Stainless steel and epoxy coated steel
Media	For choice see below, for selection and performance consult your local AAF office
Humidity range	10 – 90 % r.H., depending on media
Temperature range	- 20 to + 55°C, depending on media
Typical lifetime	Light industrial up to 16 months Heavy industrial up to 10 months

## SAAFCassette Nominal Dimensions

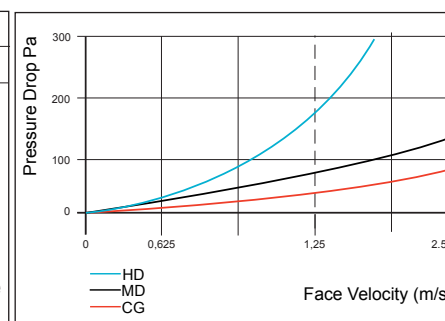
Type	Size	mm H	mm W	mm D	Volume liter	Face velocity m/s	Pressure drop Pa
SC:HD <sup>1)</sup>	HD12	305	610	305	28	1.25	185
SC:MD <sup>1)</sup>	MD18	152	610	457	14	2.5	80
SC:CG	CG24	610	305	305	18	2.5	120

Note<sup>1)</sup> Cassette SC:HD and SC:MD consists of 2 individual units

## Media

Type	Application	Contaminants
<b>Gas specific media</b>		
SAAFCarb	Airports, Pharma & Food	Hydrocarbons
SAAFCarb MA	Industry	Mineral acids
SAAFCarb MB	Industry	Ammonia, amines
SAAFCarb MS	Industry & Waste water treatment	H <sub>2</sub> S, SO <sub>2</sub>
SAAFCarb MC	Water treatment	Chlorine (Cl <sub>2</sub> )
SAAFCarb MM	Coal fired power stations	Mercury (Hg)
SAAFOxidant	Museums & Libraries	H <sub>2</sub> S, SO <sub>x</sub> , NO <sub>x</sub> , Formaldehyde
SAAFCBR	Military & civil defense	toxic and pathogene war gases
<b>Customer Blends</b>		
SAAFBlend	General Purpose	General Gas Removal
SAAFBlend WS	Wide Spectrum	Wide Spectrum Gas Removal

## Pressure Drop Cassette



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## AAF Agents:

Johannesburg (RSA)



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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