## Gas Phase Filtration Products

# SAAF™ TY Chemical Filter

### Extended-Surface Compact Description

- Multi-tray filter with pleated and PU foam media pack
- Low operation cost with replaceable media tray
- High removal efficiency with unique mini-pleating technology
- High adsorption capacity with unique vacuum impregnation process
- Wide range of media or custom blends for specific application
- For Fresh Air AHU and Recirculation Units

### Application

SAAF TY chemical filter are designed for effective removal of medium and low concentrations of gas-phase contamination in fresh air and recirculation air handling systems.

### Construction

The SAAF™ TY chemical filter, with metal cell side and replaceable media tray, withstand the most demanding applications. SAAF™ TY comes factory-ready for installation, no special tools are needed to install or replace the media tray.

### Choice of Media

SAAF™ TY can be supplied with a wide range of gas specific media or custom blends media. These include activated carbon, impregnated carbon and ion exchange media.

### Filter Elements

SAAF™ TY chemical filter are designed for effective removal of medium and low concentrations of gas-phase contamination in fresh air and recirculation air handling systems. The multi-tray pleated and PU foam media packs are arranged in a V-shaped to utilize maximum amount of media for high air velocity.

The unique mini-pleating technology causes the contaminants to contact the media 3 times within the filter, thus increasing filter removal efficiency with low pressure drop.

The unique vacuum impregnation process removes contaminants from the media during the impregnation process, improving efficiency and adsorption capacity.

### Specification

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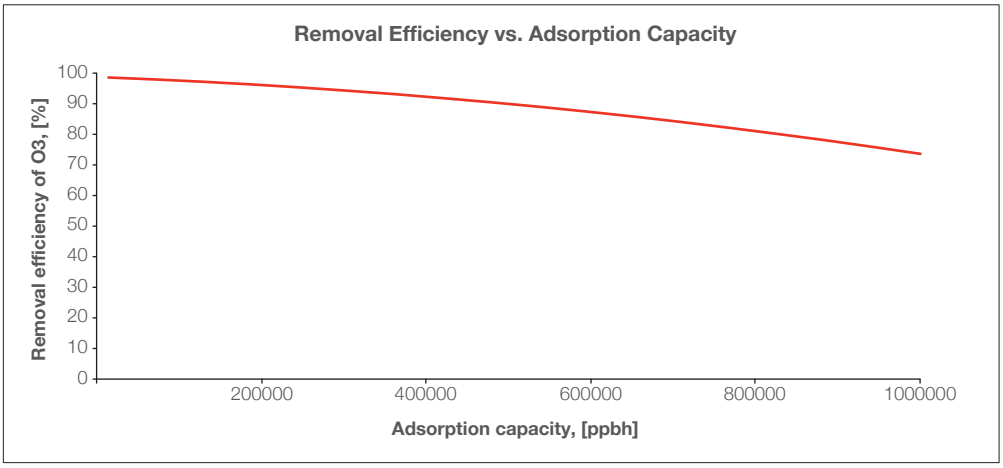
|---|---|
| Models | SAAF™ TY |
| Filter dimension | 592 x 592 x 292 mm, 592 x 292 x 292 mm |
| Face velocity | 2.5 m/s |
| Pressure drop | < 100 Pa |
| Target gas | O3, Acid, Base, VOCs |
| Material Frame | GI, Stainless Steel 304 |
| Media | Impregnated activated carbon with ion exchange resin |
| Media configuration | 8 replaceable tray |
| Removal efficiency | Initial : > 90%, Final: 70% |
| Expected Life Span | 12 months |



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