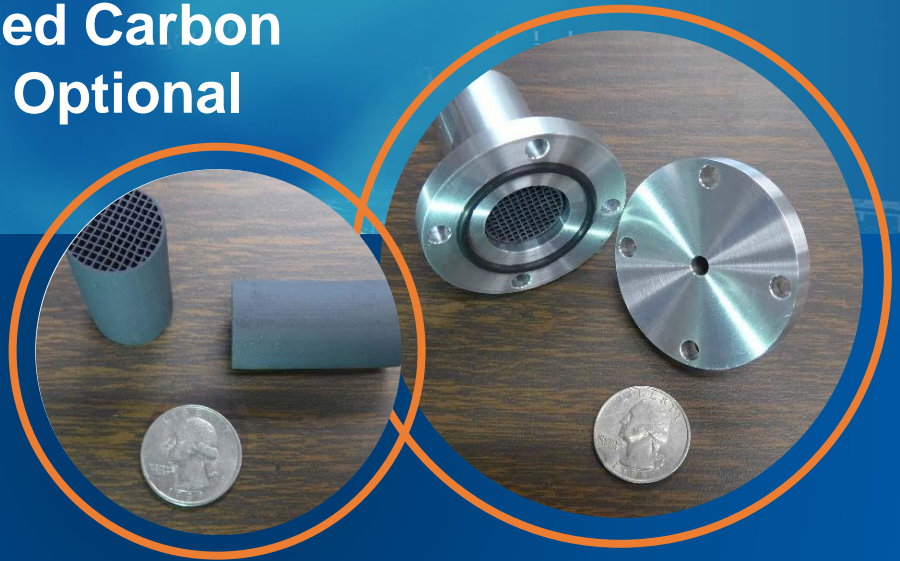




Honeycomb Activated Carbon Gas Denuders With Optional Gas-Tight Holder

*Remove organic gases
while transmitting
particles.*



APPLIATIONS

- Remove VOCs and heavy gases from particle-phase measurements e.g EESI and VIA.
- Measure aerosols or gas- particle partitioning.
- Source of zero/background air while maintaining ambient humidity levels.

ADVANTAGES

- Removes > 99.999% of VOCs and oVOCs.
- Does not absorb H₂O and maintains ambient humidity.
- Can be regenerated many times.
- High particle transmission in the submicron range.
- Robust construction, will survive shocks, vibration, drops, etc.

Order online under Parts for Purchase:

<https://www.aerodyne.com/product/vocus-ptr/>

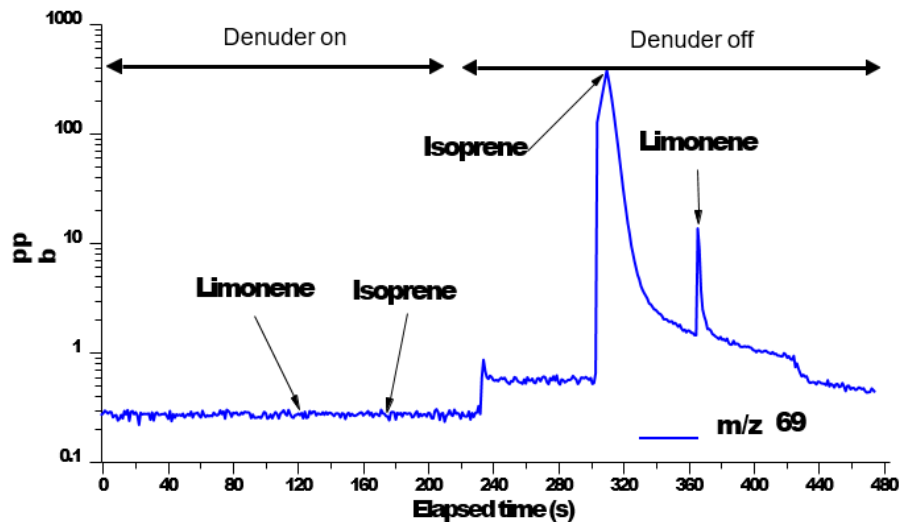
Honeycomb Activated Carbon Gas Denuders with Optional Gas-Tight Holder

SPECIFICATIONS

- Sold in packs of 5x
- Removes >99.999% of organic gases
 - At flow rates of < 2 SLPM—reduced performance at higher flows
- Does not absorb water
- Maintains performance for > 5 days at common atmospheric VOC levels (10s of ppb for each compound in mixture)
 - Will last for 1-2 days in heavily polluted conditions
- Can be regenerated by heating to 100 C in a clean air or N2 flow for >4 hours
- Optional holder
 - 1/4" tube ends
 - Plated aluminum with Viton O-ring

VOC ABSORPTION

The arrows denote when a bottle of isoprene or limonene was held in front of the denuder and monitored by a Vocus PTR-TOF at m/z 69 for protonated isoprene and a limonene fragment.



Particle size-dependent transmission

