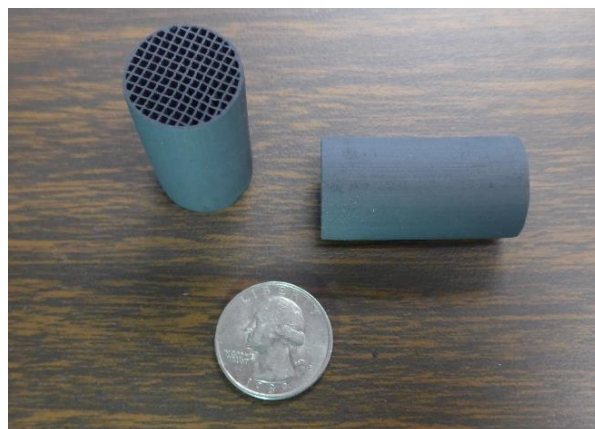




Honeycomb Activated Carbon Gas Denuders with Optional Gas-Tight Holder

Remove organic gases while transmitting particles



APPLICATIONS

- 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 below:

[For the denuders](#)

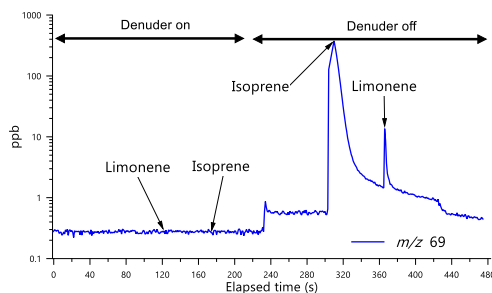
[For the holders](#)

Performance and 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
 - ¼" tube ends
 - 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

