

## AirmOzone System - Gas Chromatography with FID Continuous VOC monitoring

### *AirmOzone System offers:*

- Fully autonomous, real-time monitoring of VOC compounds including Benzene, 1, 3-Butadiene and Styrene.

### *AirmOzone System is equipped with:*

- Two gas chromatographs (AirmoVOC C2-C6 and AirmoVOC C6-C12).
- Zero air generator
- Hydrogen generator
- Supervisor - internal computer
- Calibration unit
- All conveniently mounted in 19" rack

### *Applicable uses:*

- Ambient air VOC monitoring
- Ozone precursor monitoring (PAMS)
- Fence line monitoring
- Industrial hygiene
- Process emissions
- Indoor monitoring

### *AirmOzone System available features:*

- Automatic Internal Calibration: AirmoCAL
- Communication Software Suite: AirmoCOM
- Data Handling Software: VistaCHROM
- Multiple Sample Stream Selector: MULTI- PLEXER
- Additional 16 HAP Compounds Analysis with AirmoC10-C18



**The AirmOzone System has been successfully employed in real-time VOC monitoring in North America, Europe & Asia. It suits the needs for US EPA's VOC target list pursuant to the PAMS program.**



## System Design Specifications

### AirmoVOC C2 - C6

6-port pneumatic valve  
 Metallic column  
 (L = 25m; id = 0.53mm)  
 FID detector  
 Carrier gas: Hydrogen  
 Trap: Carboxen/Carbopack/Carbotrap  
 ent temp  
 Cooling by Peltier effect at -8°C  
 Thermo-desorption at 220° C  
 Drying system: Nafion membrane

### AirmoVOC C6 - C12

6-port pneumatic valve  
 Metallic column  
 (L = 30m; id = 0.28mm)  
 FID detector  
 Carrier gas: Hydrogen  
 Trap: Carbotrap for C6-C12 compounds ambi-  
 Thermo-desorption at 380° C

## Technical Specifications

### AirmoVOC C2 - C6

### AirmoVOC C6 - C12

**Cycle Time** 30-60 minutes  
**Detection Range** 0.033-500µg/m3 of 1,3 butadiene  
**Detection Limit** 15 ppt for 1,3 butadiene  
**Relative Std. Dev.** <3% (concentration)  
 <0.3% (retention time)  
**Data Output** Data storage  
 4-20mA output  
 MODBUS/JBUS com protocol  
**Sample Volume** 20 to 240 ml  
**Power Supply** 115/230V 50/60 Hz, 24V battery  
**Dimensions** 24" L x 19" W x 7" H  
**Weight** 44 lbs.

30-60 minutes  
 0.05-400µg/m3 of trimethylbenzene  
 10 ppt for trimethylbenzene  
 <3% (concentration)  
 <0.3% (retention time)  
 Data storage  
 4-20mA output  
 MODBUS/JBUS com protocol  
 30 to 700 ml  
 115/230V 50/60 Hz, 24V battery  
 24" L x 19" W x 7" H  
 44 lbs.



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