

Zero VOC air

Flow security

Tank

Air generator

Air dryer

VOC catalyser

# airmoPURE 2 L

Zero air generator



Model: XXX033

Zero VOC air production for the analyzer or for carrier gas



Chromatotec® is specialised in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt).  
Please visit our website for more details.

Updated: March 2024

# airmoPURE

Zero air generator



## The airmoPURE provides zero air for:

- FID detector: 180 ml/min
- Pneumatic valve: 60 ml by commutation
- Permapure: 150 ml/min for C2C6: Total flow for airmOzone = 580 ml/min
- Cooling box (Peltier effect) for C2C6: 13 ml/min
- Dilution of permeation tube for calibration : 50 ml/min
- Carrier gas for MEDOR®
- 

## The airmoPURE provides dry air:

- Pneumatic valve: 90 ml by commutation (injection valve)
- Permapure to dry sample or hydrogen: 200 ml/min
- Cooling box (Peltier effect) for C2C6: 13 ml/min
- Be careful with maximum flow and flow in continue

## The airmoPURE includes:

- A compressor station fixed with a 4-liters reservoir at 8 bars which delivers outlet pressure at 3 or 4 bars with flow protection
- A membrane air dryer with automatic purge. The air is dried before being compressed in the cylinder.
- A heated catalyser to eliminate hydrocarbons at ppt level
- Connections between the airmoPure and the instrument

## Example with 3 bars inlet:

- 180 ml/min for FID
- 50 ml/min in continuous for Calibration
- Dilution: 230 ml/min in discontinuous mode (during calibration only)
- Benzene permeation tube (32 ng/min  $\pm$  10% at 45°C) diluted at 230 ml/min = 139  $\mu$ g/m<sup>3</sup> or 37 ppb
- Zero air for analysis in continuous mode (airmoBTX /CALIB): 180 + 50  $\approx$  230 ml/min
- Zero air for analysis in discontinuous (airmoBTX/CALIB): 180 + 230  $\approx$  410 ml/min

## Product technical specifications

### Zero air total hydrocarbon concentration

- < 0.1 ppb NMTHC in ambient air without pollution

### Dew point

- < -15°C°

### Zero air maximum flow

- 2.0 l/min in discontinuous mode for airmOzone
- outlet at 3 bars (45 psi)

### Dry air

- Outlet at 4 bars for valves and membrane dryer
- Maximum flow: 3.5 l/min in continuous mode

### Noise

- 65 dB(A)

### Zero air start up time

- 45 min

### Power supply

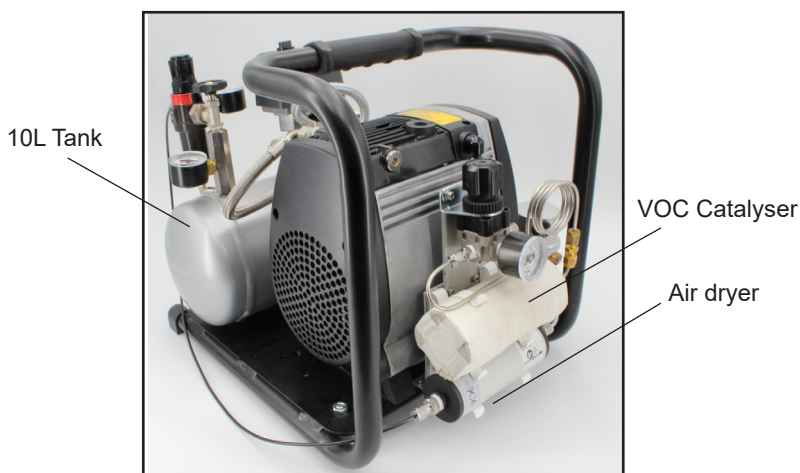
- 230 VAC 50 / 60 Hz or 110 / 115 VAC 50 / 60 Hz
- 310 W (0.18HP)

### Electrical consumption

- 310 VA

### Dimensions and weight

- Height: 500 mm
- Width: 400 mm
- Depth: 360 mm
- Net Weight: 20 kg



### To order

airmoPURE

### Model

XXX033

*Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice*

To contact us: [sales@chromatotec.com](mailto:sales@chromatotec.com)

**NORTH AMERICA**  
Houston - USA

**EUROPE**  
Bordeaux - FRANCE

**ASIA**  
Beijing - CHINA

**WWW.CHROMATOTEC.COM**