

Zero VOC air

Flow security

Tank

Air generator

Air dryer

VOC catalyser

# airmoPURE D 45 PSI

Zero air generator



Model: XXX031-D

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.*

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# airmoPURE D 45 PSI

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 airmoOzone = 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 includes:

- A compressor station fixed with a **10-liter reservoir** at 7 bars which delivers outlet pressure at 3 or 4 bars with **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:

- 1 l/min in discontinuous mode for airmoOzone

### Noise:

- 55 dB(A)

### Zero air start up time:

- 45 min

### Power supply:

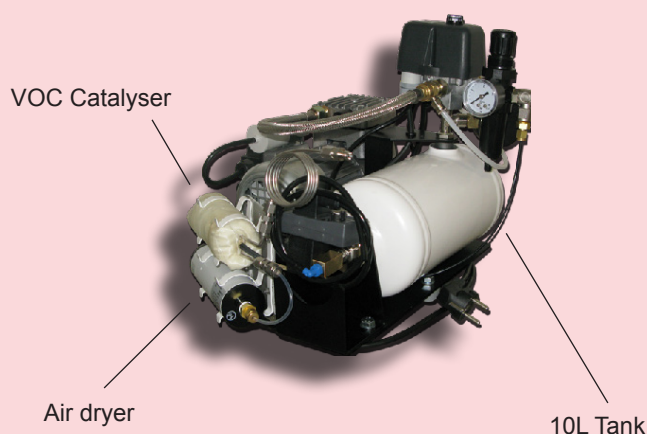
- 230V / 110V / 115V and 50 Hz/60Hz)

### Electrical consumption:

- 310 VA

### Dimensions and weight:

- Height: 370 mm
- Width: 370 mm
- Depth: 370 mm
- Net Weight: 17 kg



### To order:

airmoPURE D 45 PSI

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

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



#### **NORTH AMERICA**

CHROMATOTEC Inc.  
18333 Egret Bay Blvd, Suite 270,  
Houston TX 77058 - USA  
Phone: +1 (281) 335 4944  
Fax: +1 (281) 335 4943

#### **EUROPE**

AIRMOTEC AG SAS  
15 rue d'Artiguelongue  
33240 Val de Virvée - FRANCE  
Phone: +33 (0) 557 940 626  
Fax: +33 (0) 557 940 620

#### **ASIA**

CHROMATOTEC Trading (Beijing) Co., Ltd.  
Room 1806, Building 1,  
Wanda Plaza, No.93, Jianguo Avenue,  
Chaoyang District,  
Beijing 100022 - CHINA  
Phone : +86 (0) 105 960 3283

**WWW.CHROMATOTEC.COM**