

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.*

Updated: March 2017

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 μ g/m³ 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:

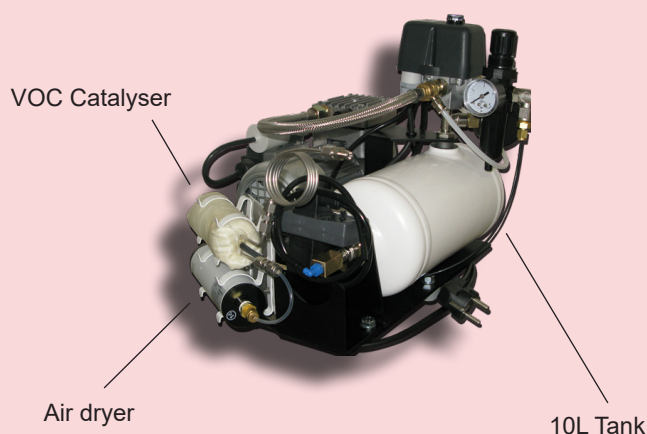
- 230V / 110V / 115V and 50 Hz/60Hz

Electrical consumption:

- 310 VA

Dimensions and weight:

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



To order:

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

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