

External Air Purifier

DESCRIPTION

The external air purifier is an optional accessory for TOC and TC analyzers. It is required in applications where the final user has already an instrumental air supply and wants to use it in combination with a 3S analyzer.

The purifier takes an inlet stream of air and outputs a CO₂-free very clean stream of compressed air.

This item replaces the internal CO₂ removal section of the TOC analyzer, constituted by the compressors and the sodalime filter and gives excellent performances even with low range analysis.

The generator can be operated with external compressed air in the range of 4 bar to max. 10.5 bar.



FEATURES

- **Small and compact**

The purifier unit is only 401 x 372 x 210 mm (15.8 x 14.6 x 8.3 in) and weights only 14 kg (30.9 lbs).

- **Very constant flow**

Reduce signal-to-noise ratio by providing a constant and stable clean air flow.

- **Save maintenance costs of TOC/TC analyzers**

By replacing the compressors and the internal CO₂ filter this external air purifier simplify the operation of the analyzer.

- **Hydrocarbons removal**

The system also removes hydrocarbons from the air flow, eliminating possible interferences from the TOC analysis.

- **Easy maintenance**

With downstream desorption technology the unit is almost maintenance-free.

TECHNICAL SPECIFICATIONS

Output Flow Rate	1.5 NL/min
Input Flow Rate	11.5 NL/min
Inlet Temperature	+ 5°C to + 30°C (+41 to +86 °F)
Operating Pressure	4 - 10.5 bar
Residual CO ₂ at Output	< 1 ppm at 380 ppm at the inlet
Residual Hydrocarbons	< 0.003 ppm
Particle Separation	0.01 µm
Output Dew Point	Up to - 70°C
Dimensions (H x W x D)	401 x 372 x 210 mm (15.8 x 14.6 x 8.3 in)
Weight	14 kg (30.9 lbs)

ORDERING INFORMATION

A46CO2P000 - External compressed air purifier for CO₂-free air for TOC analyzers