



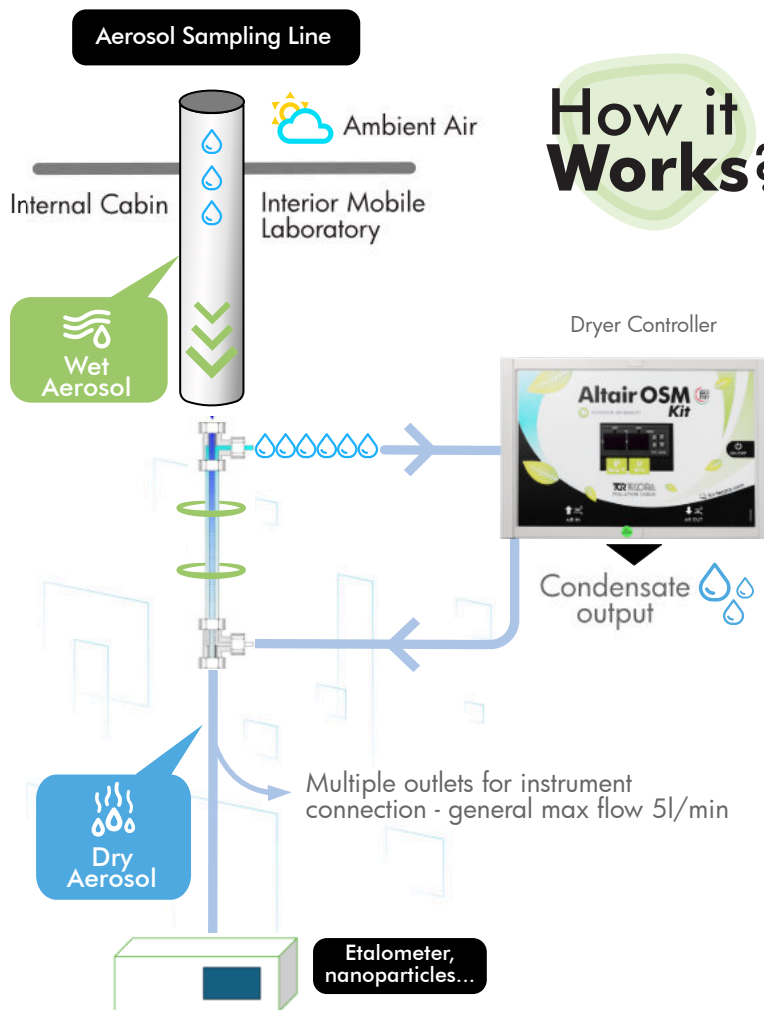
# OSM AERO Kit

## ALTAIR AERO

### Aerosol Dryer

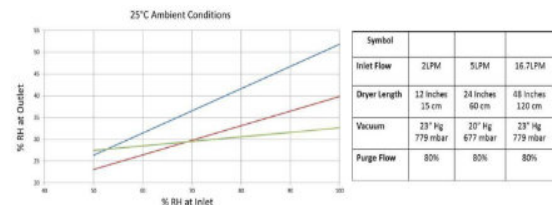
ALTAIR AERO is a dedicated system for controlling and reducing the moisture content of the sample to be analyzed.

The sample to be analyzed passes through the insulated sampling line ( usually installed directly at the inlet of the sampling head to avoid deposits or leakage of particles es- in the side manifolds of the Actris sampling line ). The sample inside the system is dried by OSM technology , and the related parameters are shown and stored on the display. The moisture concentration and temperature of the sample are indicated on the LCD display.



Altair AERO is compatible with aerosol sampling lines, example: Actris network and is equipped with Nafion<sup>®</sup> technology.

Features	Data
Max flow	5 l/min (opt 16 l/min)
Dryer efficiency	14°C dew point reduction T=in 22°C
Maximum vacuum	-700 mBar
Aerosol Leakage	< 4 % over all flow ranges
Temperature	-10 ÷ 50 °C ris 0.1 °C
Humidity	1 ÷ 99 % ris 0.1 %
Dryer Pump	Membrane
Data - export	RS232,USB,RS485
Probe Dimension	H 900 mm X D 100 mm



The controller constantly monitors the humidity of the incoming sample and the outgoing sample so as to verify the effectiveness of the dryer system. Data are stored in an internal memory and exportable via USB. Serial connection and available for acquisition via RS-232 / RS-485 (opt).

Images of Installations in the monitoring network ARPA Air Quality.

