

In order to maintain the quality of our analysers, we offer our standard guaranty only if recommended peripherals are used.



## Sampling solutions

When validating the results obtained, it is critical to ensure that a quality sample is brought to the instrument. Chromatotec offers sampling solutions:

- Multiplexer : 4U rack, up to 10 streams
  - Dryer for (airmoVOC C<sub>2</sub>C<sub>6</sub>)
  - Regulators, flow control
  - **Liquefied gas heated regulator (XXvalve LPG)**
  - Line pump
  - Condensation pot
  - Dilution systems
  - Tubing, heated lines
  - **Purge & Trap (method 502-2)**
- Vacuum pumps
    - Airmopump : pump for single instrument ambient sampling
    - Line pump : pump for multiplexer vacuum



*Multiplexer 6 streams*



*Purge & Trap cabinet*

## Calibration modules (permeation tubes)

We offer the solution of permeation tubes for auto-calibration. We supply permeation tubes which are very stable at trace level concentrations. Temperature and pressure are fully controlled. Used for **ISO 17025 instrument calibration**. Our systems enable the use of both high pressure gases and permeation tubes calibration, for intercalibration / intercomparison.



*airmoCAL D*

- **Calib installed in the analyser:**
  - Calibration with one permeation tube
  - Fully automated with autocalibration capability
- **AirmoCAL 4U:**
  - Calibration module (three permeation tubes)= sample+zero+cylinder+Calib
- **AirmoCAL D 4U (Dilution):**
  - Zero, Calib (permeation tube), span (Cylinder as Standard) & sample
  - 4 points dilution of cylinder gas via critical orifices
  - Calibration curve for linearity

## Software and Computer solutions for tracability

Chromatotec has its own **Windows™ embedded** based software to monitor and control the analyzers.



*Wall mounted computer integrated to our cabinet*

- **Module automation:**
  - Special calculations: averages, alarms (TWA)
  - "Live signal"
- **Software configurations : VistaCHROM:**
  - Standard and custom methods
  - Special calculation (units ,averages, totals)
- **Remote control (Option):**
  - Remote monitoring via phone line or LAN
- **Communication Protocols Modbus parameters such as; pressure, temperature...:**
  - Modbus RTU, Jbus, German protocol
  - Analogue output
- **24V DC for analysers or computers**



*Uninterruptible Power Source*

Gas generators for high stability & purity

We test and engineer gas generators in order to obtain optimum analysis.



**Nitroxychrom**

- Hydroxychrom : 3U : H<sub>2</sub> generator



**Hydroxychrom**

- Airmopure, air generator



**airmoPURE**

- Nitroxychrom : N<sub>2</sub> generator

**Special design system**

- **Medor EX:**
- Wall mount
- Z purge
- **Pressure & T° in purged box readout and display**
- Local and remote monitoring possible
- Designed for hazardous areas
- CSA certified class 1, div 2 group C&D
  
- 33U Cabinet enclosure with air conditioning option
- IP 55 cabinet enclosure
- Wall mount rack, such as process GC



**Cabinets inside Shelter**



**Medor EXp**

**Ex specification Class I Div 2, Group C&D**



**Cabinet example**

- **Combined systems :airmozone:**
- Up to 3 analysers controlled by 1 supervisor
- 1 single gas supply for several instruments



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