

## Gas Chromatograph VARIAN GC450

### Application:

Analysis of environmental pollutants (greenhouse gases, chlorofluorocarbons, volatile organic compounds, polycyclic aromatic hydrocarbons, transformer oils, pesticides, etc.).

Monitoring of biochemical processes in obtaining biofuels (determination of methane, volatile fatty acids, organic alcohols, phenols, etc.).



### Functional parameters:

- Fitted with FID detector for analysis of gaseous and liquid hydrocarbons as well as ECD detector for analysis of chlorinated pesticides, chlorofluorocarbons, halogenated hydrocarbons, including PCBs;
- Gas flow electronically controlled;
- Enables multiple capillary or packed column installation;
- Enables the simultaneous attach of min. 2 injectors, 2 detectors and 1 mass spectrometer;
- PC and keyboard controlled equipment;
- Fitted with injection system and auto sampler for liquid samples;
- Oven for capillary and packed columns allowing installing several columns;
- Split/Splitless injector having an electrical pressure control and carrying gas flow system;
- Included software for chromatograph control, data acquisition, data processing and transfer.