

INSTALLATION FOR ANALYSING AN ATMOSPHERE

ABSTRACT

The invention relates to an installation for analysing by sampling the level of at least one element, from at least two initial gas sources ($S_1, S_2, \dots$), including tapping lines (L_{Pi}), discharge lines (L_{Ei}) and secondary lines (L_{Si}), respective flow-directing components (V_i), capable of directing each sample from an initial gas source in question which is associated with it to its respective discharge line, or, via its respective secondary line, to a pre-analysis collection point, a tertiary line (L_T) connected in its upstream part to the collection point and in its downstream part to a discharge (E), and at least one analysis line (L_{Ai}), connected in its upstream part to the tertiary line and in its downstream part to an analyser.

An installation of this type allows continuous tapping, minimizing the response time of the analyser, and guaranteeing representative gas samples in this analyser, and it furthermore makes it possible to change from one initial gas source to another, in any order, and with a fully configurable addressing time for each measurement point.

Figure 1