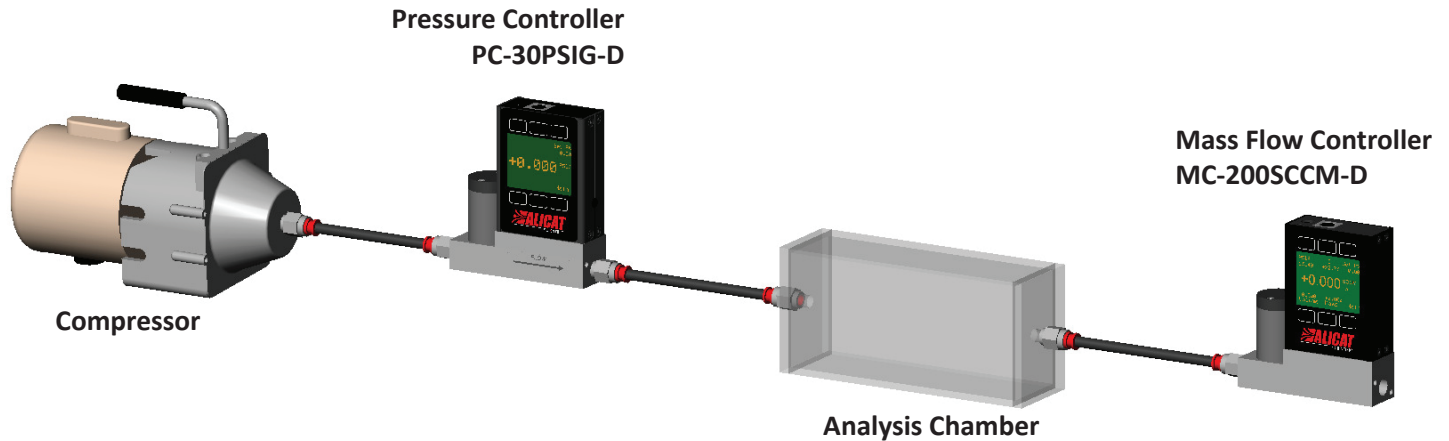


Pressure & Flow Control for Gas Analysis

Some Analytical Processes Are Best Standardized At A Fixed Gauge Pressure.

An **Alicat PC-30PSIG Pressure Controller** is used to set the pressure in the analytical device.

The outflow from the device is controlled by an **Alicat MC-200SCCM-D Mass Flow Controller**.



Other Analytical Processes Are Best Standardized At A Fixed Absolute Pressure.

In the illustration below, an **Alicat MC-200SCCM-D Mass Flow Meter** is used to control the flow into the process.

An **Alicat PC-30PSIA-D Pressure Controller** (with a downstream valve) is used to maintain the analysis chamber at a fixed absolute pressure.

Typically, the back pressure controller is set to 14.70 PSIA, to standardize the process to sea-level standard conditions.

