

Control of gas atmosphere:

Stable gas atmospheres highly automated

Stability, and the maximum level of automation, have the highest priority for preparing controlled gas atmospheres efficiently. Controlled by a remote signal (e.g. CO₂ Gas-Sensor), Vögtlin's thermal mass flow controllers create the optimum conditions for your application through their short reaction time and fast regulation. Gas mixtures remain stable, and adapt immediately to new requirements.

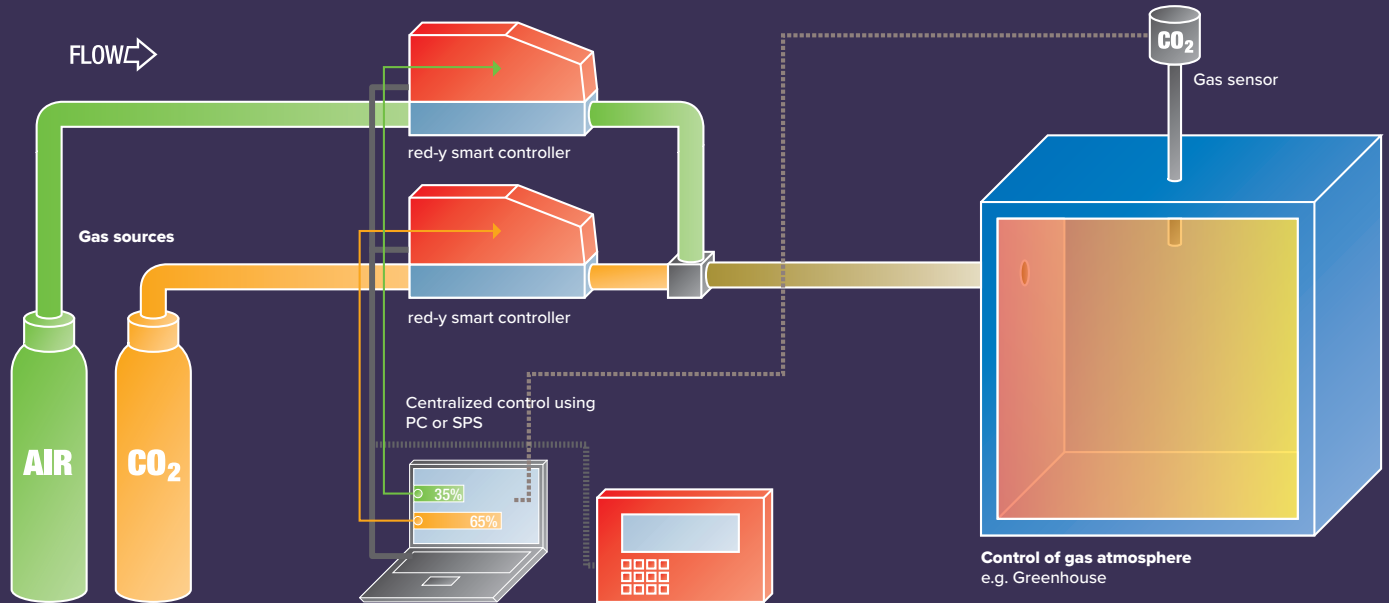


Fig. 1 Functional scheme of controlled gas atmosphere



Fig. 2 red-y smart controller:

The high precision and fast regulation of the thermal mass flow meters and mass flow controllers is remarkable.
The free *get red-y* software runs on any PC with a Windows operating system.

Key Features

- ★ Fast regulation
- ★ Fast reaction time (valve and communication)
- ★ High precision
- ★ Easy operation through PC or PLC
- ★ Tightly sealing regulator valve

Interfaces

- ★ Analog
- ★ Modbus RTU
- ★ Profibus DP-V0/DP-V1
- ★ Profinet / EtherCAT

Typical applications

- ★ Gas analysers (biotechnology)
- ★ Calibration equipment
- ★ Semiconductor production
- ★ Laser welding and cutting

