

Gas flow controlling:

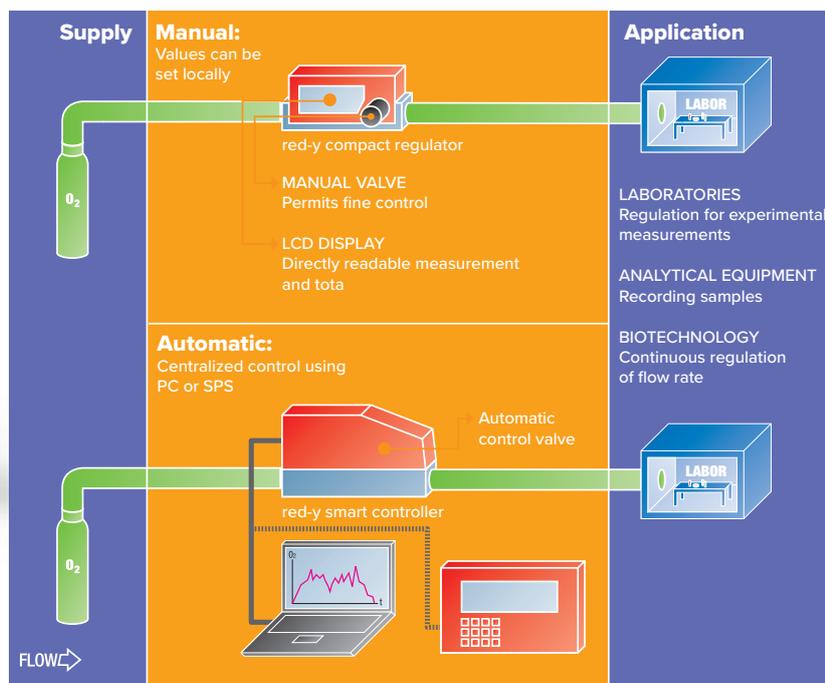
Automated and precise gas flow control

Automatic or manual – Vögtlin's thermal mass controllers feature high precision for the regulation of gas flow rates. When used for automatic regulation, the optimized interaction of the measuring unit and the regulating valve permits complex regulation tasks to be implemented efficiently and reliably.



red-y smart controller

The digital mass flow controllers (MFC) have a high measuring accuracy and a stable control behaviour for exact and constant quality of gas mixtures.



CMOS sensor technology

By using high-precision CMOS technology (semiconductor sensors) Vögtlin's thermal measurement and control devices are setting new standards in response behaviour and measurement accuracy and feature a previously unknown dynamic measurement range.

Fast control valve

The control speed of less than 500 ms allows many processes to be optimized.

Versatile application

The principle by which thermal mass measurement operates is ideally suited to the measurement of gas flow rates.

One of its key advantages is that the measurement is largely independent of pressure and temperature.

Key features

- » High dynamic range (up to 1:500)
- » Very high measurement precision
- » Fast control valve
- » Extended functions thanks to digital communication
- » Simple operation
- » Compact, modular construction
- » Easy maintaining and servicing

Typical applications

- » Coating plant (equipment construction)
- » Regulation of gaseous atmospheres (biotechnology)
- » Analytical equipment
- » Local preparation of a gas mixtures

