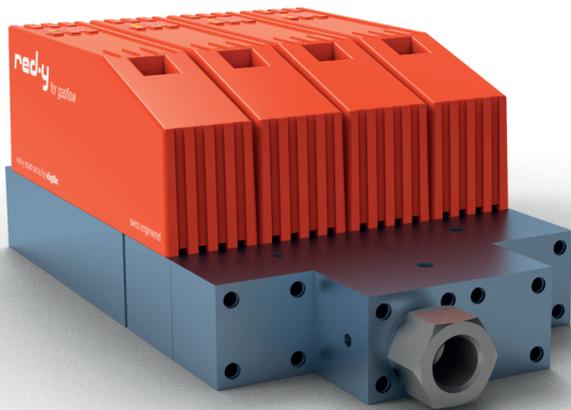


## Gas flow mixing:

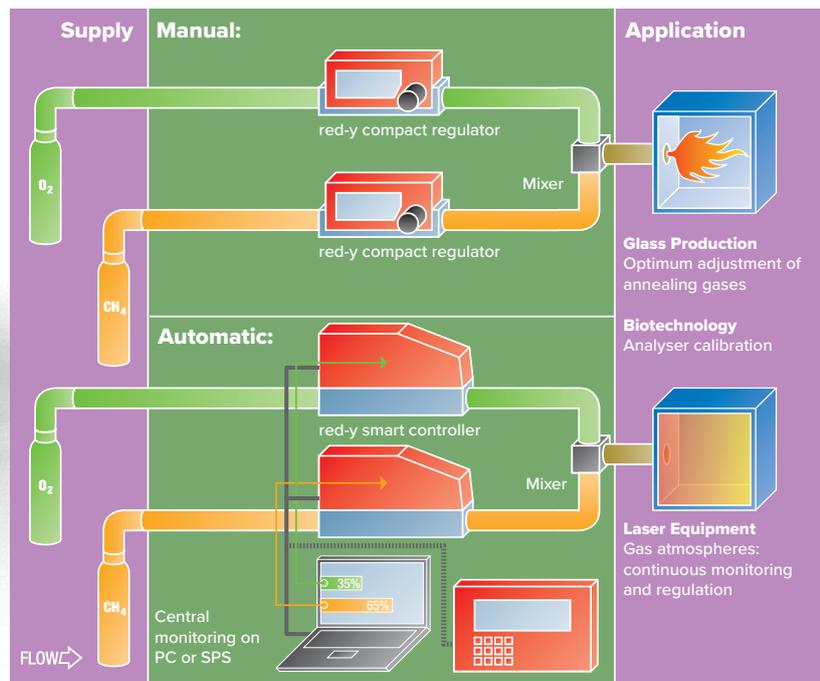
### Accuracy and stability for your gas mixture

**Precise measurement and stable regulation of behaviour are important if the quality of gas mixtures is to be maintained at a high level. Vögtlin's thermal mass flow rate regulators permit both master-slave mixtures (a master gas to which a specified proportion of an additional gas is added) and gas mixtures with fixed percentage proportions.**



**red-y smart controller**

With Vögtlin's modular gas collection systems, several digital flow meters and flow controllers of the red-y smart series can be integrated into one combined system.



### 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

- » Very accurate and fast regulation
- » High repeatability
- » Calibration with the actual gas
- » High savings possible with mixed gases
- » Independent of temperature and pressure
- » Easy maintaining and servicing

### Typical applications

- » Burner control (furnace construction)
- » Calibration of instruments (laboratories)
- » Gas atmospheres in laser equipment
- » Analyser calibration (analytical work)
- » Preparation of test gases

