

It's flowtime.

flow technology by **vögtlin**. since 1986.

# Vögtlin Instruments AG:

Your partner for intelligent flow solutions



Since 1986 our flow experts ensure high-value products and solutions for your flow measurement and control tasks.

Profit from our many years of experience as developers, manufacturers and service partners.

I am convinced that our team can assist you with our real **Spirit-of-flow**. We look forward to support you.

**Fabian V. Waltz**  
Managing Director

## Competence and innovation

Vögtlin owes its success to innovative products, professional advice, the personal commitment of the team and the close partnership to our clients. The confidence of our customers is showed by more than 100'000 sold instruments.

## Quality and safety

 **SWISS MADE**



All flow measurement devices are manufactured in our factory in Aesch and are calibrated according to international standards. We have been certified to ISO 9001:2000 since 1996 and products and processes are subject to constant quality assurance.

## International presence



The worldwide distribution is covered by a growing network of qualified sales partners. With their technical understanding and broad product and application know-how, they ensure a high-level support.

You will find your local Vögtlin sales partner on the internet:

**[www.voegtlin.com](http://www.voegtlin.com)**

## Maximum flexibility

Thanks to our flexible production processes and a close relationship with our suppliers and logistics partners, we are always in a position to react flexibly to the wishes of our customers.

# Thermal Mass Flow Meters and Controllers for Gases

Thermal mass flow meters & controllers

## Reliable and precise

**red-y smart series**



- Highest accuracy and turndown ratio
- Digital & analog interface standard (Modbus, Profibus, etc.)
- Very short response time for meters and controllers
- Software «get red-y»: Measuring & controlling with a click
- Real gas calibration

Applications:

Apparatus Engineering, Analysis, Pharma, Research, Test Equipment

Thermal mass flow meters

## Digital convenience

**red-y compact series**



- Insensitive to pressure and temperature changes
- High accuracy and turndown ratio
- Battery power or 24 Vdc supply
- Alarm functions, totalizer and manual needle valve
- Real gas calibration

Applications:

Apparatus Engineering, Analysis, Laboratory, Medicine

OEM applications

## Implemented flow visions

**red-y systems**



We have specialist know-how in designing and implementing individually optimized flow applications. Our goal is to bring together best technology and functionality.

**We look forward to developing a solution with you.**

# Variable Area Flowmeters and High-Precision Control Valves

## Variable area flow meters

### Attractive design and price

**Q-Flow**



- Compact and slender design
- Glass measuring tubes in 3 sizes and with 3 different scales
- Body in aluminium or stainless steel
- Panel mounting design (plug-in)
- Control valve for smooth and accurate adjustment

Applications:

Apparatus Engineering, Biotechnology, Pharma

## Variable area flow meters

### Wide-ranging and modular

**V-100**



- Highly modular, customizable for any mounting position
- Connections on the rear, lateral or axial
- Glass measuring tubes in 3 sizes and with 3 different scales
- Body in aluminium or stainless steel
- Variety of options: Limit switch, front panel mounting-kit, etc.

Applications:

Apparatus Engineering, Laboratory, Process Industry

## High-precision control valves

### Precise setting and tightly closing

**M-Flow**



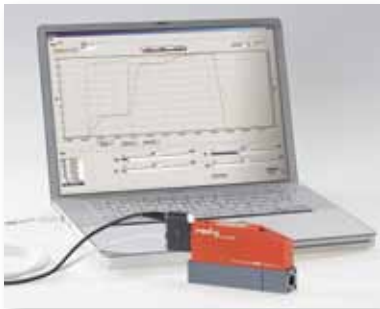
- High-precision flow rate setting
- Leak-proof when closed
- Flow adjustable from 0.5 mln/min
- 15 turn spindle, no hysteresis
- Digital display for reproducible settings

Applications:

Apparatus Engineering, Chemistry, Process Industry, Pharma, Leak Testing

Technology with the extra for your app:

## e.g. Measuring & controlling with a click



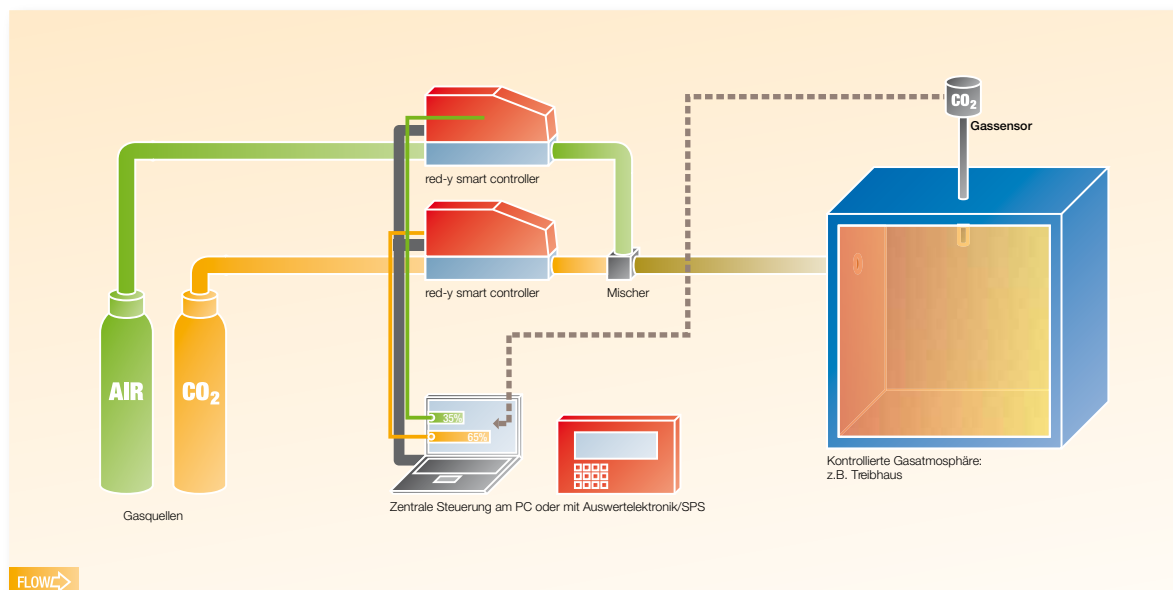
With the **free software 'get red-y'**, the thermal mass flow meters and controllers easily communicate with your computer: With a mouse click, you define the function parameters, record measuring data and optimize your application in just a few steps thanks to the digital CMOS technology.



- View flow rate and temperature
- Change setpoints
- Select measured gas or gas mixtures
- Graphical display of measured data
- Adjusting control parameters
- Monitor operating state
- Optional: Data logging, gasmixer
- 'Plug & measure' with our cable accessories

## e.g. Precision & stability for 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 controllers 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.



### Benefit from the following qualities:

- 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

Do you have any questions about our products?

Give us a call:

**+41 (0)61 756 63 00**

Or write us an e-mail:

**info@voegtlin.com**

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