

SIPROCESS GA700

Customized Applications

Beyond the catalogue.

SIEMENS



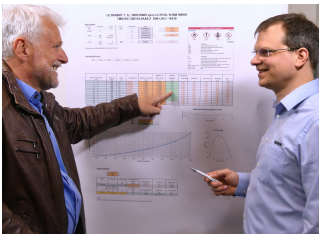
Introduction

The suitable analyzer for each and every measuring task.

Perfect-fit analyzer.

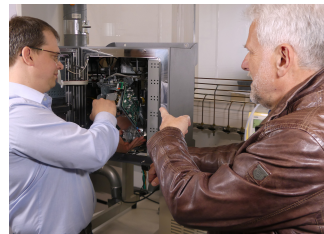
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(theoretical part)

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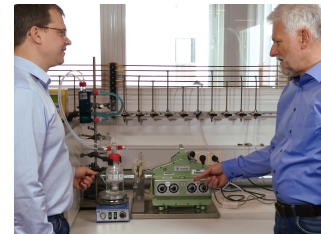
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Mixing **pumps**

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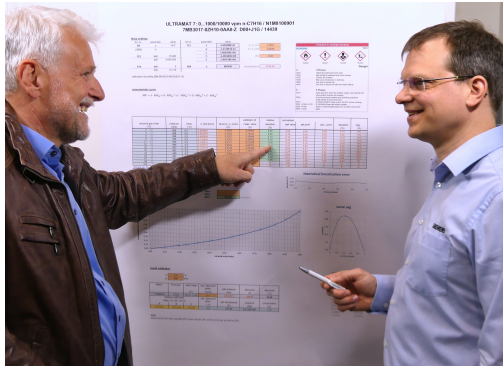
Toxic **gases**

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Summary

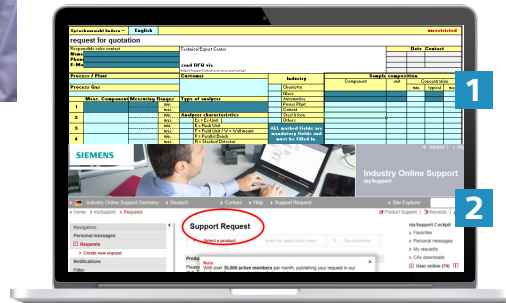
1



Finding the solution (theoretical part)

Discussing the solution with the experts.

1. Listen to the customer's requirements and specific needs
2. Looking for a tailor-made solution together with the customer
3. Discussion of feasibility
4. Solution within stated/agreed timeframe



- 1 Request for special application (Region – HQ): xls Template
<https://new.siemens.com/global/en/products/automation/process-analytics/extraktive-continuous-process-gas-analytics.html>
- 2 Send the questionnaire via SIOS Support Request
<https://support.industry.siemens.com/My/ww/en/requests#createRequest>

2



Finding the solution (hardware)

Siemens checks its toolbox to define the optimal solution.

Defining the solution's design according to the customer's requirements:

Materials, optical filters, special gas fillings, special settings.

Reference projects:

- Sulfur hexafluoride
- Methanol
- Ethanol
- Ethyne in the ppm range and methane up to 5% CH₄
- Two-component unit nitrogen monoxide/ sulfur dioxide
- Acetone

Continuous exchange and feedback loop with customer.

3

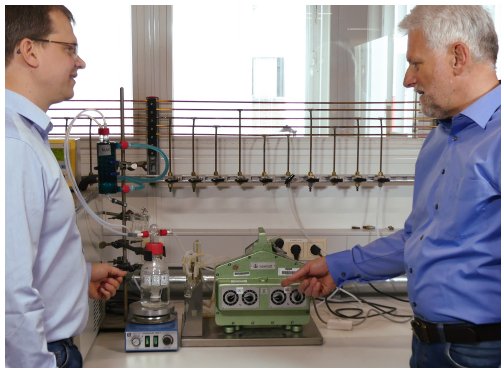


Special material

We offer solutions for all gases, incl. corrosive and aggressive gases by using proven state-of-the-art materials for all wetted parts.

1. Measurement chamber and tubing made of Hastelloy C22
2. Gaskets made out of FFKM (Kalrez)
3. Stainless steel tubing
4. Heating option of the gas path
5. ... plus further special material if required (= further customization)

4



Mixing pumps

We produce a simulation of your required gas mixture in order to properly adjust the device.

- Fast reaction time
- Realistic and flexible reproduction of the customer requirement

5



Toxic gases

Our approved gas laboratories allow for treatment of all gases, even toxic gases.

We have the equipment and the know-how and experience to handle these gases.

Examples:

- Vinyl chloride
- Ethylene oxide
- Nitrogen monoxide >3%
- Hydrogen chloride

6



Summary

We not only offer a great product, we offer customized solutions which exactly fit your needs.

We offer a service beyond the catalogue.

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