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# RIUS OPEN GT

MADE IN GERMANY

**GLÄSER**



**RIUS OPEN GT:**  
Extraction system for  
extravagant requirements

*Another milestone in Technical Cleanliness.*  
Extraction system in the second generation. Latest state-of-the-art technology for the inspection of Technical Cleanliness on functionally relevant components. Re-engineered in accordance with the recommendations of VDA 19.1 chapter 11 for work safety and protection of the environment. The RiuS OPEN GT ist perfectly suitable for your requirements in future.

**CleanTec**  
by **GLÄSER**

# FUTURE-PROOF TESTING MACHINES FOR TECHNICAL CLEANLINESS

Always one step ahead. Worldwide

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## RiuS OPEN GT – Made in Germany

Our machine concepts for determination of Technical Cleanliness have been tested in practice thousands of times in our accredited laboratories. Through constant further development of the machines, we ensure that they are always state of the art - now in the second generation. These enhancements guarantee a high degree of reliability, which leads to high equipment acceptance worldwide.

The second Generation of our machines offers among further technical and ergonomic optimizations a special increased safety and answers the recommendations of VDA19.1, chapter 11.2.

The analytic cabinet "RiuS OPEN GT" for determining "Technical Cleanliness" with large open analysis basin contains a number of different functional modules.

## The Structure

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The ergonomic design and quiet operation provides the necessary occupational safety for your employees. The contemporary design has an appealing effect for the user as well as their customers. An ergonomic advantage is the hands-free use due to the operation of the machine by means of a foot switch.

### The structure consists of:

- Floor unit and housing: steel, white coated (RAL 9016)
- Polished stainless steel analysis basin
- 1 medium circuit/ one-tank-system

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## The machine control system

### The intuitively operable touchscreen:

The intuitively operable 12" Siemens SPS S7-1200 touchscreen of RiuS Double is place saving, ergonomic located, easy to clean and always visible during analysis from the working position. Quick access is possible at any time, so that work can be concentrated and focused. The new user interface of the completely redeveloped control system offers a structured and clear interface. The self-explanatory user interface enables efficient and simple work on the machine after only a very short training period.

For follow-up examinations, the storage of test procedures and simple menu navigation of the software significantly simplify the analysis process and thus make it more reliable. Various password-protected user levels prevent unauthorized modification or deletion of individually defined test procedures. Each test method can be clearly assigned with a method number, a designation and a component part number. Templates can be copied and edited to create similar test procedures, saving a significant amount of time.



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## Intelligent machine control system:

Regularly performed checks and maintenance operations are monitored by the system. Safety-relevant functions, such as temperature monitoring of the tank and ultrasonic basin, level monitoring in the tank, dry-running protection of the hydraulic pump, technical ventilation of the floor unit, etc., are continuously controlled by a separate safety control system. The technical design is designed in such a way that aerosol formation can be effectively prevented, thus preventing the formation of EX zones. This makes the machines not only very safe, but also unique on the market.



## Technical specification of the machine control system:

- Input parameters – volume presetting, manual rinsing process  
Testing procedures can be saved (32 programs, each with 30 individual steps)
- Standard available languages for the touch panel: German/ English/ Spanish/ Italian/ Polish and Chinese (Mandarin)
- Switching between languages is possible at any time.

## Process options:

The following extraction possibilities are available:

- Rinsing/pressure-rinsing (min. 500 – max. 16,000 ml/min)

## The flushing fluid supply:

The high-quality components of the single tank system and our filter design reduce any impact on the analysis result. This results in the best achievable blank values on the market. This means effortless and rapid achievement of your specifications, in turn making more process-safe analyses possible each day. Our revised system set-up facilitates simple servicing and safe, easy filling and emptying of medium via suction lance. This guarantees high availability with low cost and time expenditure.

- Tank capacity: 50.0 litres
- Useful volume: 55.0 litres

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- System filter 0.2  $\mu\text{m}$
- Return filter 5.0  $\mu\text{m}$
- Spray nozzle (pen) conveniently connectable on the right or left,  $\varnothing$  2.5mm (exchangeable, included in delivery)
- Medium: Haku 1025-921 or De- Solv- IT 1000; deionized water (VE) on demand

## The analysis basin

The polished stainless steel analysis basin covers with its size of 2,500 x 1,300 (W x D) very large and long components. The completely new surface design enables a comfortable dynamic rinse down of the medium. An additional funnel can be adapted for quick analyses of very small parts.

- Grounding sockets for grounding own test fixtures and machine fixtures at the analysis chamber
- The user-friendly, lift-and-swivel membrane holder includes three individual cascade rings with tweezer guides for safe and easy membrane mounting and removal of  $\varnothing$  47 mm membrane filters.
- Drip protection (pinch valve) membrane holder
- Included in delivery: Two parts holder (900 x 900 mm) for components up to 150 kg



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## Dimensions and connections of the machine

### Dimensions / weight:

- Approx. 2,830 (+ 1,000 mm for panel swivel range) x 1,450 x 740 mm
- Insertion opening approx. 300 mm more
- Approx. 500 kg

### Electrical data for the entire machine:

- Mains connection (machine): 230 VAC +/-10%, 50 Hz
- Rated power: ca. 700 W
- Rated current: ca. 3.0 A
- Back-up fuse: 16 A (max.)
- Supply line: 3 x 1.5 mm<sup>2</sup> (min)
- Control voltage 24 VDC
- Compressed air connection by customer with min. 3 bar and max. 10 bar, connection via coupling plug NW 7.2

## ADDITIONAL AVAILABLE OPTIONS

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Each machine can be customized and assembled according to your requirements and needs for technical cleanliness. Various options are available for this purpose, which can be ordered in addition to the standard versions.

### Comfort Touch Panel with glass keyboard (optional)

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The Comfort Touch Panel offers additional functions with advanced controls that make work easier, faster and more reliable for the operator.

A total of up to **32 test procedures** with up to **30 individual process steps** can be stored. Furthermore, images can be attached to the test procedure in the form of a PDF, which are shown on the display during the analysis. Adding additional text information (up to 20 characters) makes it easier for the operator to quickly find the stored procedure in the procedure overview. A user or language change is possible at any time with the Comfort Panel thanks to the tooltip function.

A 12 inch SIEMENS comfort touch panel with a stylish, clean glass keyboard and touch pen is included in the scope of delivery.



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## Additional language (optional)

On request, the software as well as the operating manual can be provided in a language of your choice, regardless of the national language.

This option depends on the language and must be checked individually.



## Remote maintenance (optional)

Provision and maintenance of the IT hardware for establishing a VPN connection via a provided VPN client (Mon-Fri, 08:00 - 17:00 CET). The software (VPN client) is provided by the machine operator free of charge.

The provision period is 5 years from the date of delivery. Including 7 hours of free support within the warranty period of 12 months. 2 h support to set up remote maintenance (subject to customer support). After the warranty period, support will be invoiced on an actual cost basis if needed.

The prerequisite is the provision of a VPN client and a corresponding network connection (on-site) at the installation site of the machine. The machine operator is responsible for integrating the machine into the existing IT infrastructure.

The following information must be provided in writing to Gläser at least one week before the delivery date of the machine in order to set up remote maintenance:

- IP address CPU
- IP address HMI
- Gateway
- Subnet



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YOUR REQUIREMENTS ARE OUR DEMAND  
FOR OUTSTANDING EXTRACTION MACHINES

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