

*& can be
customised
many GC*

*for **SRI MG#5 GCs**
>ASK!*

Up to 16 Sample Points

2 for Calibration Gases
7 for Tedlar Bags
7 for Gas Balloons

Auto GAS BAG SAMPLER for GC

The **JAS GBS** allows automated sampling of gases, stored in tedlar bags or gas sampling balloons, as well as gas cylinders, e.g. calibration gas cylinders.

Sample transfer is carried out via a multi-position valve.

Each gas sampling inlet is equipped with an in-line filter to avoid multi-position valve blocking.

Connection to the GC can be made by means of 1/16" SS tube.

The GBS is controlled via a special JAS Control Software.

Available Models

- GBS-8 • GBS-10 As standard models for 8 or 10 bags/ balloons are available, each has an additional purge and vent port.

On request the gas sampler can also be supplied for more than 10 bags.

Optional:

- Inert version
- JAS GICU (Gas Injection Control Unit) to set the pressure for reproducible results

Features

- Can handle bags/balloons of 2-3 bar
- Flow paths can be purged
- Includes pump for samples with atmospheric pressure
- Intuitive JAS Control Software
- Bags can be selected randomly
- Display shows current port position
- Minimum waiting time between runs (sample loops can be purged while run is still in progress)
- Existing GC methods do not need to be changed
- In one sequence pressurized samples and samples with atmospheric pressure can be processed
- For Agilent and third-party GCs (control via start-stop/remote cable)

JAS Germany

for Customisation to **SRI GCS (MG#5) > ASK !**

JAS Control s'ware works in conjunction with **SRI GCS PeakSimple & Timed Events !**

GBS – Gas Bag Sampler

Automatic Gas Sampler



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SIMPLY SMART SOLUTIONS

GBS

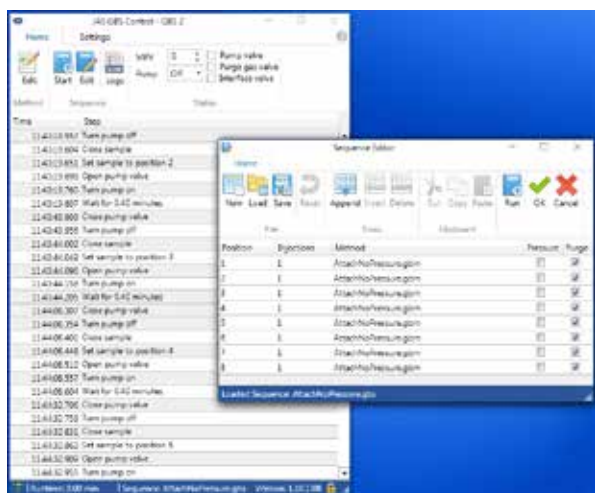
Automatic Gas Sampler

Use Your Sampling Bags and Balloons Easily

Operation Mode

The automated gas sampler enables you to perform analysis of multiple gas samples without manual sample handling. Attach all your gas samples to the ten special sample connectors and start your sequence.

The device is equipped with a multi position valve to select a sample port and a pump to convey samples into your analytical system. Maximum sample pressure is three or six bar depending on valve selection.



Software Control Option

The Software Control is compatible with most GCs. A personal computer is used to send the sample sequence to the GBS. A USB cable is applicable to connect to the PC for distances up to five meters. LAN is used for longer distances. The GBS communicates with the GC via the remote interface to receive or to send remote signals. The sequence procedure of the GBS can be monitored with the software and canceled if necessary.

Contact Closure Operation Option

This option is compatible with Agilent 8890, 8860, 7890 und 6890 GCs. It integrates the GBS control completely into your Openlab Chemstation, Agilent EZChrom (Elite) or Agilent MassHunter. The GC uses the external event interface and BCD to fully operate the GBS.

GBS

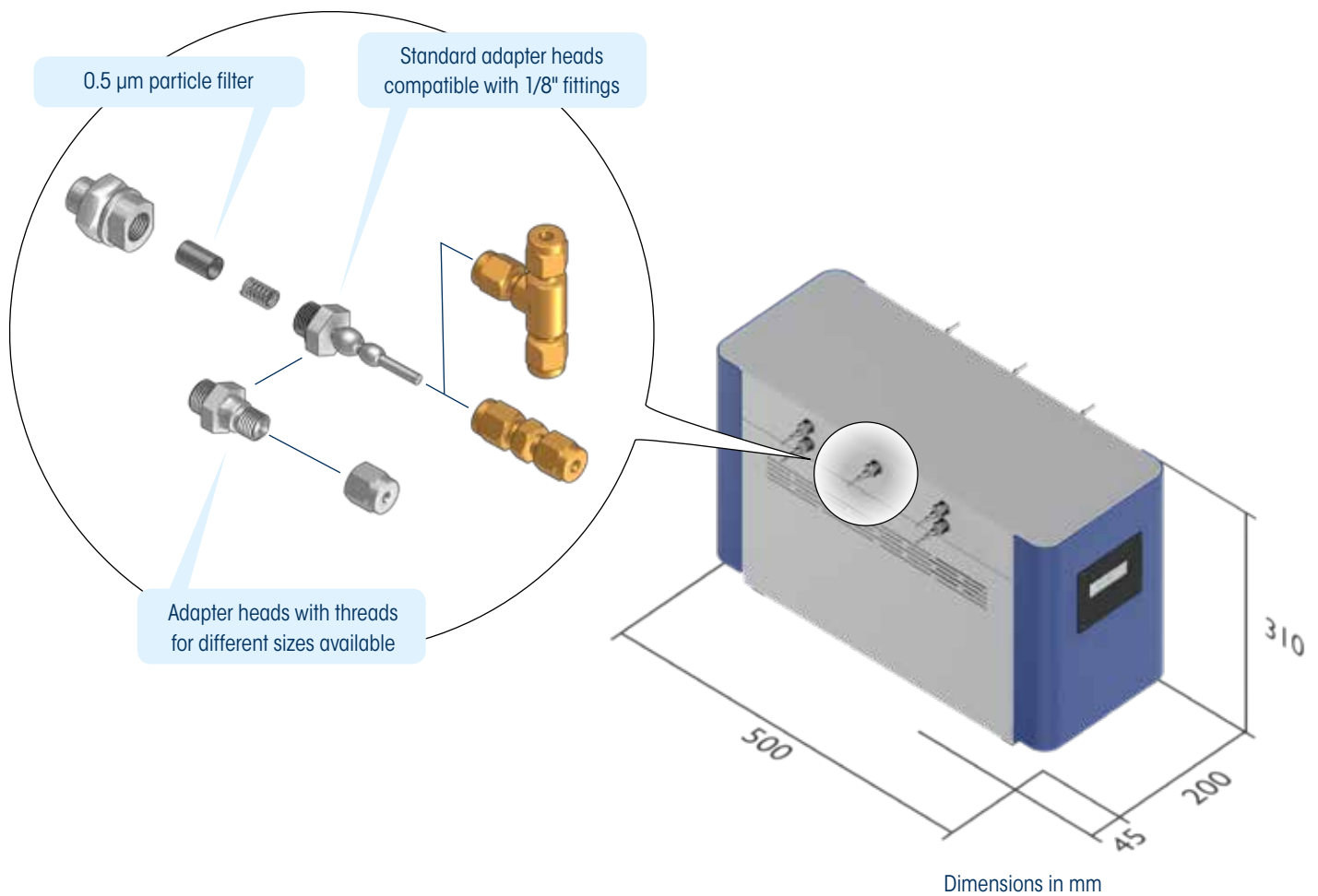
Automatic Gas Sampler

Sample Connectors and Customization

Every sample port is equipped with a 0.5 µm easy-to-change particle filter. Use a one-to-one connector to attach your calibration standard or a tee to take samples out of a stream. Customize your system by selecting different adapter heads with threads for 1/16", 1/8" or 1/4" tubes. Choose inert tubing for your sampler. Customization of sample ports is available, e.g. moving all ports to one side of the system or installation of up to 16 ports.



Please contact JAS for more information.





About Joint Analytical Systems

Since 1995 JAS has been a Premier Solution Partner and Value Added Reseller of Agilent Technologies. We are an innovative-driven organization that offers customized solutions for GC, GCxGC, μ GC, GC-AED, GC-MS, GC-QQQ, LC, LC-MS, LC-QQQ and Q-TOF LC-MS applications.

JAS serves key industries such as

- Chemical
- Petrochemical/HPI
- Environmental
- Food & Flavor
- Forensic

JAS Products for GC

- Atomic Emission Detector
- UNIS Inlet Systems
- CryoTrap
- EzPrep - Preparative Fraction Collector
- Olfactometer
- Customized Valving Systems
- GICU - Gas Injection Control Unit

Joint Analytical Systems GmbH

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