

# GEMÜ *BioStar*® Steam Sampler

Technical data





## Fully automated pure steam condensate sampling system

GEMÜ has developed a completely new automatic system for sampling pure steam condensate:

### Benefits of the system:

- Advanced microbiologic sampling, significant reduction in sampling times
- Compact local system
- Automatic control of the sampling process
- Variable and reproducible setting facility for the required condensate volume
- Individual setting for the sterilization time
- Reduced risk of scalding for the operating personnel
- Compressed air is used as a coolant
- Complete, ready-to-connect system including a control system with integrated operating unit and plain text display
- Only compressed air (max 20°C) and power (230V 50 Hz) are required on-site
- Connection to existing pure steam line can be easily implemented

### Step by step procedure:

- Installation of the sampling bottle to the sampling system using a detachable connection
- Set the required sampling quantity and sterilization time
- Start the sample extraction process via the control panel
- Sterilization runs
- Cooling starts automatically after completion of sterilization
- During sample extraction, the valves are switched in several cycles via the control unit
- After reaching the specified sampling quantity, the system switches off automatically
- The sampling bottle can then be disconnected

### Total dimensions / Total weight:

#### Full version

- 820 x 650 x 1800 mm (W x D x H) / 81 kg

#### Compact version

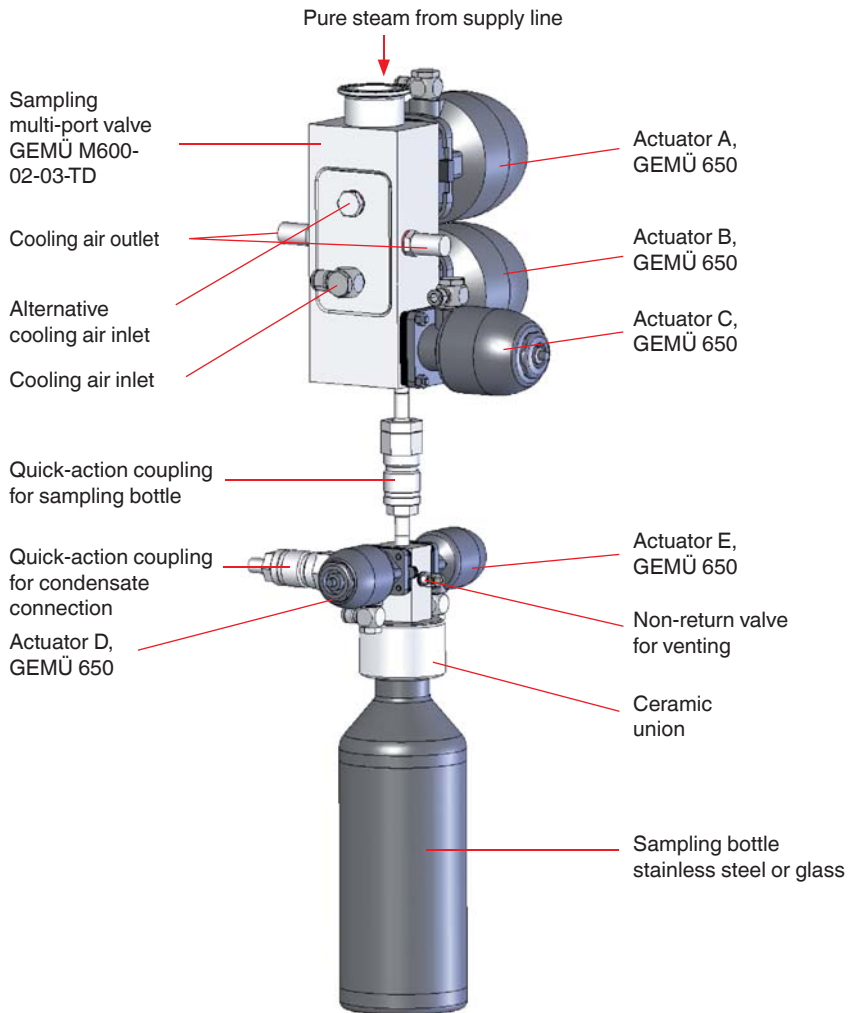
- 508 x 481 x 1106 mm (W x D x H) / 31 kg



Full version with integrated table for bottle storage



Compact, light sampling unit



## Technical data:

### 1. Multi-port valve

- Actuators are GEMÜ 650 **BioStar**®
- Butt weld spigots or clamp connections
- Surface finish: Available as per GEMÜ standard
- Material: 1.4435 Stainless Steel, other materials on request (including 3.1 B Inspection certificate)
- Compressed air connection inlet 2x G1/4
- Compressed air connection outlet 2x G1/4 with silencer, option of connecting pipe to other locations
- Further versions available on request

### 2. Sampling bottle

- Volume max. 1 litre
- Material: 1.4435 Stainless Steel (including 3.1.B inspection certificate)
- Operating pressure: -1 bar to max. 10 bar absolute

- Material: Glass
- Operating pressure: -1 bar to max. 1.5 bar absolute
- Quick-action coupling for feed and outlet valve (GEMÜ 650 **BioStar**®)
- Complete autoclave capability

### 3. Control

- Control cabinet dimensions approx. 250x300x160 mm (W x D x H) (including connections)
- Electrical connection 230 V / 50 Hz
- Compressed air connection 12 mm, quick-action coupling
- Protection class IP 65
- Material: Stainless Steel 1.4403 or enamelled steel RAL 9010
- Integrated control panel (membrane keypad) and plain text display
- Permanent status indication in the display



**GEMÜ<sup>®</sup>** VALVES, MEASUREMENT  
AND CONTROL SYSTEMS

GEMÜ Gebr. Müller · Apparatebau GmbH & Co. KG · Fritz-Müller-Str. 6-8 · D-74653 Ingelfingen-Criesbach · Tel. +49(0)7940/123-0 · Fax +49(0)7940/123-224  
info@gemue.de · www.gemue.de