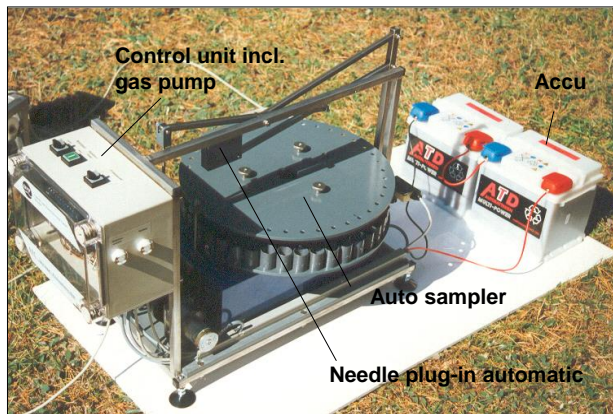


Automatic Gas Sampling System using 20 ml vials



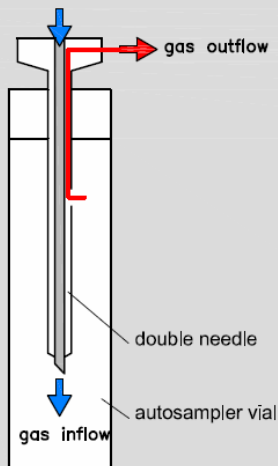
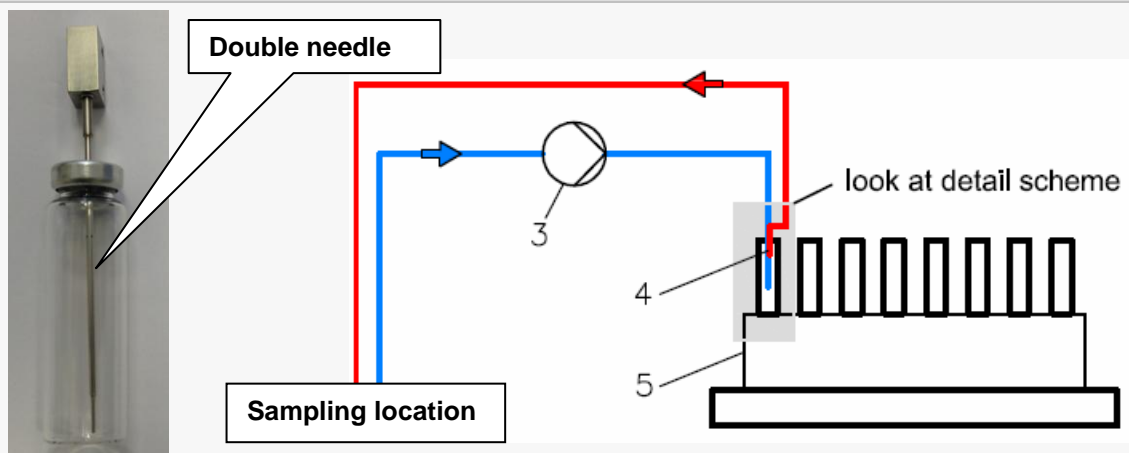
Application

- Gas sampling at biogas plants or research reactors
- Greenhouse gas monitoring
- Research applications

Equipment features

- Needle plug-in automatic
- Auto sampler
- Control unit with membrane pump

Principle of function/ working steps:



Working steps for taking a sample

- **Step 1:** automatic plug-in of double needle in sampling vial
- **Step 2:** automatic switch-on of membrane pump, flushing of sampling vial
- **Step 3:** filling up of sample
- **Step 4:** pull-out of double needle from sampling vial
- **Step 5:** continued rotation of sampling plate

The gas sample is filled into the vial under system pressure and can be analyzed

Technical Data

Number of vials:	30 pieces with a volume of 20 ml each
Tolerable system pressure:	0,8... 1,2 bar; other pressures on request
Membrane pump:	Flow rate of membrane pump: 100 ml/min
Electric equipment:	Control with display; voltage supply 220 VAC or 24 VDC
Adjustable parameters:	Cycle time with sampling: Flushing time of vial and tubes

Details are subject to change due to product development.



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