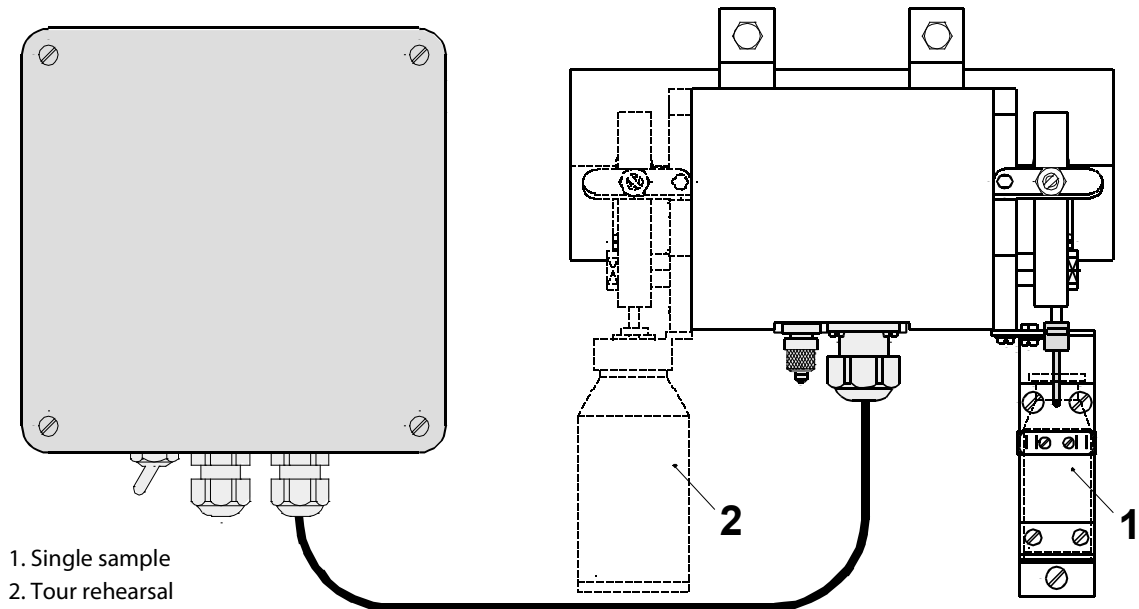




Peristaltic PS4S Sampler



1. Single sample
2. Tour rehearsal

Description

The PS4S™ sampler, specially designed for installation on milk collection vehicles, works on the principle of a peristaltic pump and enables samples to be taken directly from the pipeline.

The PS4S™ can be equipped with 2 pump heads and consists of the actual sampler in a stainless steel housing and the separate control unit in an aluminum housing.

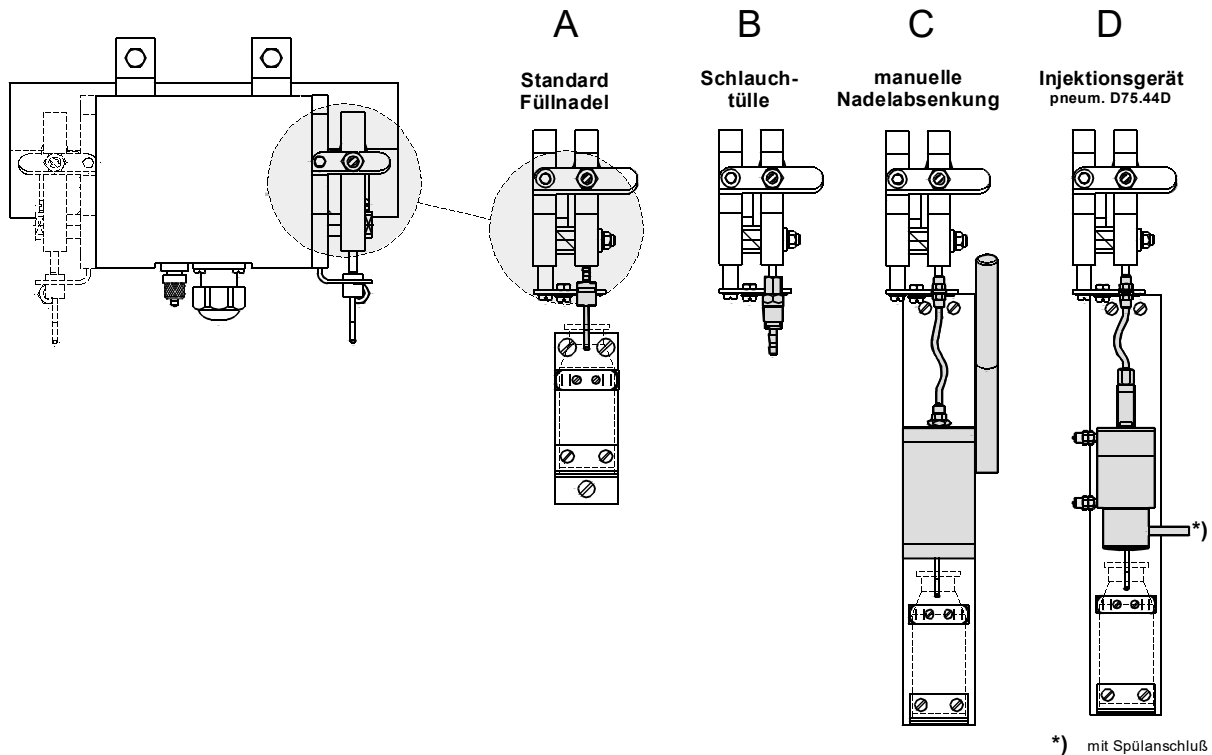
Special features

- Simultaneous removal of 2 independent individual samples possible
- Quasi-continuous operation by using stepper motors
- Improved hose life with redesigned pump head and speed limiter
- Good representativeness due to the very small sampling volume of the individual sample and frequent individual sampling.
- Low carry-over due to very small wetting surfaces in the system. Suitable for bacteriological sampling.
- Easy installation
- Good cleanability
- Low maintenance
- Bottle holder for different sizes; Can be equipped with a bottle sensor as an option



Subsequent installation in an existing pipeline is possible without any problems. The pipeline must be separated at a suitable point and provided with two counter flanges. The sampler PS45™, which is equipped with a piece of pipe and corresponding flanges, is then simply installed.

It is controlled automatically by the GEA Diesel data acquisition device ZEVODAT-M™.



Version "A" with filling needle

The sample quantity is filled directly into an unsealed sample bottle.

Version "B" with hose nozzle

With a hose, which can be attached to the hose nozzle on the sampler, it is possible to fill the sample taken in a germ-free manner if the appropriate options are used.

Options: Version "C" or "D"

- Injection needle for low-germ sampling
- Sample bottle with slotted rubber stopper
- Magazine for several sample bottles for fully automatic sampling.

The sampler is preferably installed on a horizontal pipeline. In the version with a pump head, the sampler can also be installed on a vertical pipeline.



Technical specifications

Pipe connection	Connection to different nominal widths possible. Flange connection PN10 (small flange)			
Sample volume	max. 140 ml/min. ATTENTION: A check of the operating conditions is absolutely necessary for small intake quantities in order to determine the achievable sample volume. Reference value: 30 ml at 20 seconds operating time (min.)			
Pressure in the product line (Pressure: bar absolute)	1 - 2.5 bars Special version for use with pressures below atmospheric pressure (0.5 - 1 bar abs.) (special adapter!)			
Materials	CrNi steel no. 1.4301 / housing of the control unit: aluminium coated silicone hose			
Operating voltage	10...30Vdc			
Power consumption for 2 motors (max.)		12 V DC	24 V DC	30 V DC
	Quiescent current	0,3 A	0,15 A	0,12 A
- at an engine	Operating current	2,7 A	1,3 A	1,0 A
- with two engines	Operating current	5,2 A	2,3 A	1,8 A
Device protection	7,5 A (braun)			

Pinout

