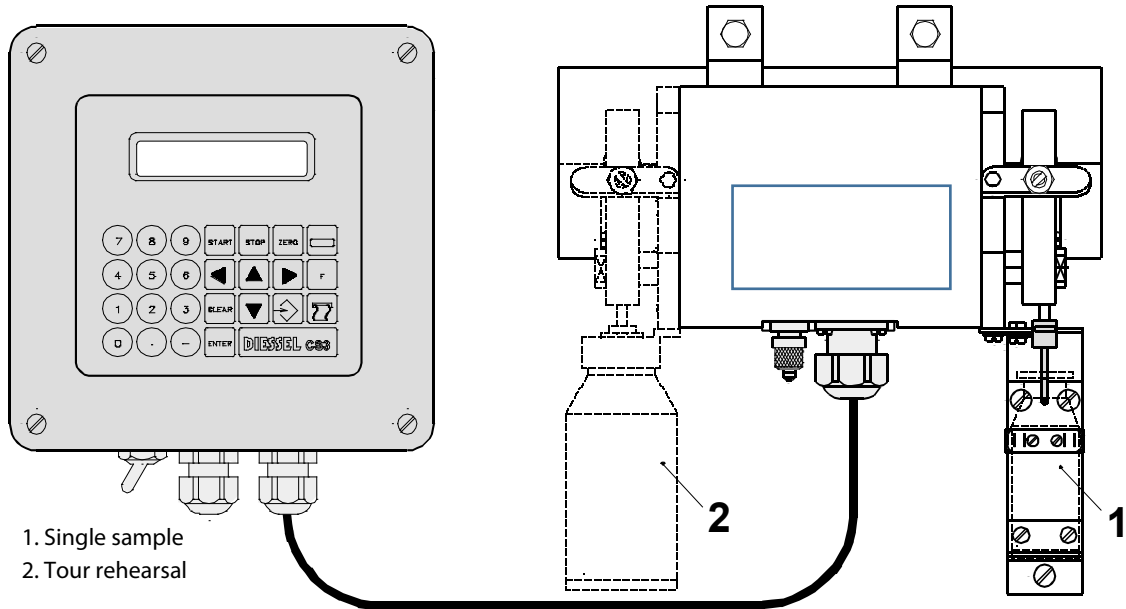




## Peristaltic PS4I Sampler



### Description

The PS4I™ sampler, which was specially designed for installation on milk collection tankers, works on the principle of a peristaltic pump and enables samples to be taken directly from the pipeline.

The PS4I™ can be equipped with 2 pump heads and consists of an actual sampler in a stainless steel cabinet and a separate control unit for time or volume-dependent sampling.

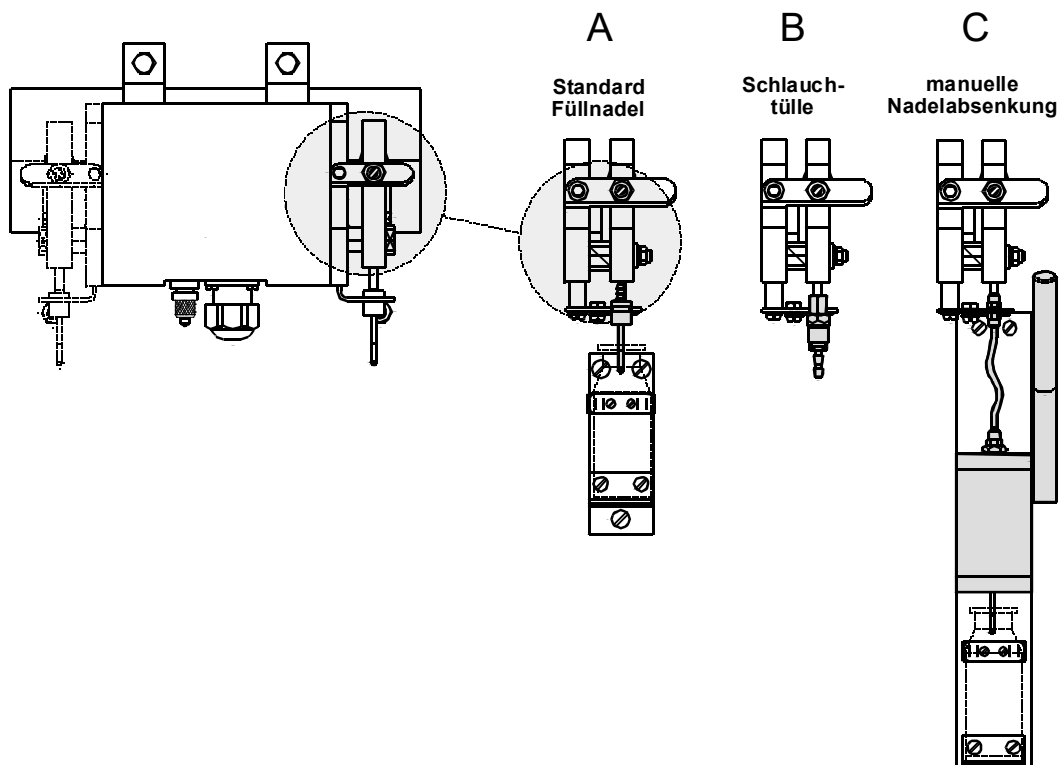
### Special features

- Simultaneous removal of 2 independent 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 fitted with two counter flanges. Then the sampler PS41™, which is equipped with a piece of pipe and corresponding flanges, is simply mounted.

The sampling device PS41™ is operated independently. In this case, the control unit must be parameterized for the respective application. The system must be configured before each trial by entering the expected intake volume. In this operating mode, the representativeness of the sample depends decisively on the operating personnel.



### Version "A" with filling needle

The sample quantity is filled directly into an unclosed 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 with minimal germs 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

<b>Pipe connection</b>	Connection to different nominal widths possible. Flange connection PN10 (small flange)			
<b>Sample volume</b>	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.)			
<b>Pressure in the product line (Pressure: bar absolute)</b>	1 - 2.5 bars  Special version for use with pressures below atmospheric pressure (0.5 - 1 bar abs.) (special adapter!)			
<b>Materials</b>	CrNi steel no. 1.4301 / housing of the control unit: aluminium coated silicone hose			
<b>Operating voltage</b>	10...30Vdc			
<b>Power consumption for 2 motors (max.)</b>		<b>12 V DC</b>	<b>24 V DC</b>	<b>30 V DC</b>
	Quiescent current	0,3 A	0,15 A	0,12 A
<b>- at an engine</b>	Operating current	2,7 A	1,3 A	1,0 A
<b>- with two engines</b>	Operating current	5,2 A	2,3 A	1,8 A
<b>Device protection</b>	7,5 A (braun)			

## Pinout

