

Description

The **Sampler PS3-I** designed to be installed on milk collecting trucks works according to the principle of a hose pump and enables you to take the sample directly from the hose pipe. The **PS3-I** is equipped with an electronic motor control which can operate 2 independent samplers.

Special Features

- Quasi-continuous operation because a step motor is used.
- Improved lifetime of the hose because of a redesigned pump head and speed limiter.
- Good representability due to a very low sampling volume of the individual samples and frequent taking of individual samples.
- Low carry-over due to very small moistening areas in the system. Suitable for bacteriological sampling.
- Easy installation.
- Good cleaning capability.
- Few maintenance required.
- Bottle holders for different sizes; can be optionally fitted with a bottle sensor.

It is no problem to retrofit the device into an existing pipeline. The pipeline must have a borehole (D = 14.5 mm) at an adequate position into which a connection piece is welded.

Then the **Sampler PS3** is put onto it and fixed using pipe clamps.

If required, the sampler **PS3** can be operated independently. In this case the control unit must be parameterized for each appliance. Enter the expected reception volume to configure the system before each sampling process. In this mode of operation the representability strongly depends on the operators.

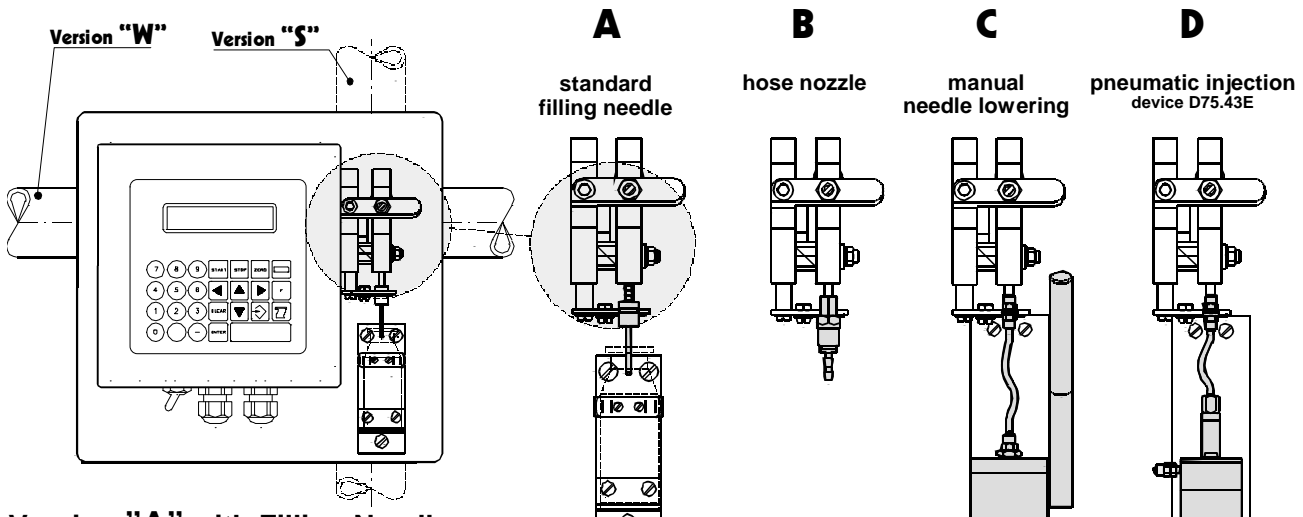
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Peristaltic Sampler
PS-3-I
with integrated electronics

D 75.24 E

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Page -1- of -2- pages



Version "A" with Filling Needle

The sample volume is directly filled to a sample bottle which is not closed.

Version "B" with Hose Nozzle

It is possible to carry out a low-germ filling of the taken sample by using a hose which is fixed to the hose nozzle at the sampler and by applying the adequate options.

Options: Version "C" or "D"

- Injection needle for a low-germ sampling process
- Sample bottle with slitted stopple made of caoutchouc.
- Magazine for several sample bottles for a fully automatic sampling process.

*) with connection for rinsing

Technical Data

Hose pipe connection	Connection to different nominal widths possible. (Borehole \varnothing 14.5 mm for nozzle)			
Sampling volume	10 ml/min min. 140 ml/min max. at $p_{\text{ü}} = 0$ bar in the pipeline			
Pressure in the product line	0.5 - 2.5 bar (absolute). Special design to be used on the suction side of a pump! (Special adapter!)			
Materials	Stainless steel no. 1.4301 (AISI 304) / housing: Al laquered Silicon tube			
Operating voltage	10 ... 30 V DC			
Current consumption (max.) when using one motor		12 V DC	24 V DC	30 V DC
	Quiescent current	0.3 A	0.15 A	0.12 A
	Operating current	2.7 A	1.3 A	1.0 A
Fuse protection of the device	7.5 A (brown)			

Connection Scheme

