



Introduction

The automatic, fraud-proof sampler was developed by Eijkelpamp Agrisearch Equipment to take samples from liquid manure in accordance with the latest (legislative) standards.

The device consists of an automatic sampler that automatically takes sub-samples of the liquid manure while it is being loaded or unloaded and a fraud-proof sample chamber (with camera inspection) that collects the samples into sealable pots.

The sample chamber makes it possible to read the unique pot and lid codes on the manure label.

The sampling device is suitable for liquid manure tanks on trucks and trailers but also for use with fixed or stationary installations.

Since the new legislation was introduced (01-07-2000) hundreds of devices have been functioning without problems in what are often difficult conditions (moisture, temperature, vibrations, contamination, manure fumes).

The knowledge and experience that Eijkelpamp Agrisearch Equipment has built up in this area has led to this equipment also being applied outside the agrarian sector.

The automatic samplers are also particularly useful when it comes to taking samples from sludge (purification sludge from water treatment plants, for instance) and other pumping liquids.

In addition to the standard communication and linking signals to flaps or PLC the automatic samplers can also be supplied with adaptations as specified by the client. The automatic sampler can be built into the process and configured according to the requirements of the client.

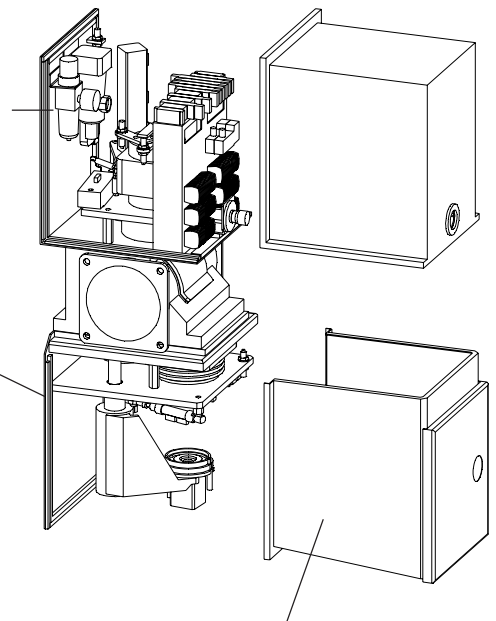
Basic features

- ❑ For application with manure, sludge and other pumpable liquids (equipment not suitable for use in explosion-sensitive zones).
- ❑ Takes representative samples.
- ❑ Direction of sampling can be set according to the flow direction.
- ❑ Permitted pipe pressure for sampling is a nominal 5 bar (maximum 10 bar).
- ❑ Sub-sample volume is 135 cc.
- ❑ Time taken to obtain a sub-sample is 15 seconds.
- ❑ 12/24 Volt supply with maximum power consumption of 20 A and 10 A respectively.
- ❑ Compressed air pressure required for the cylinders is 6-8 bar, capacity is 25l/min.



Automatic sampler

Fraud-proof sampling chamber



Safety cover





Automatic sampling equipment



- ❑ Built-in heater to prevent essential parts from becoming frozen.
- ❑ The automatic sampler is designed to be used with the special MeMopot® as standard or with a sample holder to client specification.
- ❑ The cast housing in which the sample is taken has a diameter of 6 inch (approx. 15 cm). A connection with tubes with a smaller diameter is possible by means of adapter tubes. It is important to take the degree of filling of the sample chamber into account in such cases.
- ❑ Sample taking can be governed by:
 1. Level or flow measurement (voltage 0-10 V, current 0-20 mA or 4-20 mA)
 2. Automatic weighing systems (via RS232).
- ❑ The automatic sampler can be linked up to our fraud-proof sampling chamber.
- ❑ Automation options via serial control: for administrative purposes, for instance (RS 232 protocol).
- ❑ The sampling process can be controlled by means of valve monitoring (if a particular gate/valve is open no sample is taken).

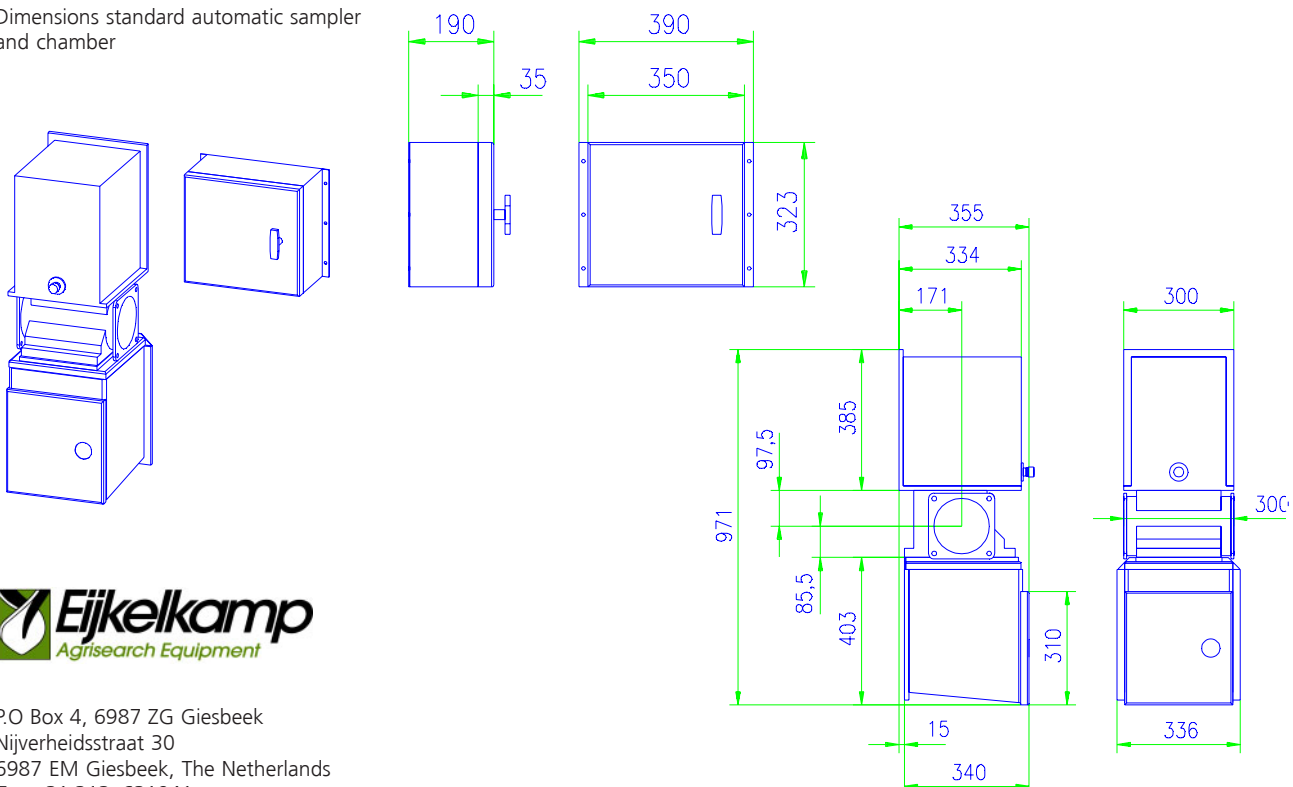
- ❑ Can be supplied with automatic greasing system.

Choosing Eijkelkamp

- ❑ A choice for lasting quality.
- ❑ Solutions tailored to your requirements.
- ❑ Installation and service by Eijkelkamp.



Dimensions standard automatic sampler and chamber



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