REMBE® Kersting GmbH

Pumpen | Probenehmer | Laborbedarf
für Labor, Industrie und Wissenschaft

Pumps | Sampling | Plastic Labware
for Laboratory, Industry, Science

burkle

TOPSELLERS

INLINE SAMPLING

Immaculate quality control through application-oriented sampling

A gap-less quality control is the key to unobjectionable final results. You want satisfied customers – REMBE® Kersting wants exactly the same! For this reason, REMBE® Kersting has been developing application-oriented inline samplers for all kinds of application purposes for decades.

The inline samplers according to the type of samplers run in a closed process, remove a sample and display a result in connection with this, so that quality control can be carried out.

Whether sampling of grain inside a silo, bulk materials inside a pipeline, paste-like or even toxic media inside a tank – you will find the solutions for your quality control here.

SmartGlide Cup Sampler

The SmartGlide is used to sample free-falling media inside drop tubes and drop shafts. To remove the medium, the sample cup moves into the process and captures a defined amount of the medium – up to 250 ml* depending on the SmartGlide type. After retraction, the cup is tilted and the removed sample is dispensed into a preselected sample container.

- Maximum product protection
- Sample size determinable by cup size
- Easily integrated into a wide variety of installation situations
- Drop tube cross-section remains fully intact
- Precise process management
- Avoidance of waste

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Auger sampler

The Auger Sampler takes a sample by rotating the auger inside the housing. A defined sample vessel collects the material for further transports. Before taking a new sample, the sampler drives backwards to convey old material back into the process.

- Suitable for poorly flowable bulk materials and their changing flow behaviour
- Reverse run for emptying of the sampler – guarantees always fresh samples
- Pneumatic, electric or manual drive system
- Can be used in pressure and vacuum areas
- Suitable for granules and powder
- Easy to install and clean
- Adaptability of any sampling vessel

Plug sampler

The Plug Sampler transports a defined quantity of the product into a sample collection system by driving a plug with sample chamber into the process line. The Plug Sampler is installed with the open side facing upwards. Either manually or pneumatically – the plug is withdrawn from the flow for sampling. The bulk material drops out of the opening into a sample collection system which was selected previously. At any time the desired sample quantity can be collected from the process.

- No risk of contamination
- Pneumatic, electric or manual drive systems
- Well-defined sampling method
- Can be used with pressure and vacuum
- Product-friendly sampling
- Suitable for granules and powder
- Easy to install and clean
- Adaptability of any sampling vessel

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InlineTasty

The InlineTasty can be installed at horizontal and vertical conveying lines. Sampling begins by pulling a handle. This causes InlineTasty's inlet probe to move into the upwardly-flowing bulk stream. The inlet probe has an opening that takes up a sample portion of the flowing material. This sample material is diverted through a sample tube into a sample collection system such as the LayFlat. The sample material flow continues until the handle has been pushed again. The pneumatic model is operated by two cylinders.

- It can be installed in horizontal and vertical pipelines
- Numerous applications possible
- Flexible sampling: the sampler can be opened manually
- Suitable for pneumatic pipelines

Swivel Sampler

The Swivel Sampler is integrated in the process in a way that the probe's opening is aimed downwards. As soon as a sample is taken, the Swivel Sampler is rotated using a handle outside the process. This is done manually or pneumatically – depending on the model. As soon as the opening points upwards, the sample tube begins filling up with bulk material until the opening is moved downwards again. A collection bottle is mounted under the Swivel Sampler in order to intercept the sample.

- Easy installation
- Numerous applications possible
- Flexible sampling: the sampler can be opened manually
- Manual and pneumatic models available

Installation example

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SamFlow Sampling Valve

The SamFlow enables sampling of powders and granules from pneumatic conveying lines. The extraction of the sampling is done by the delivery pressure of the process largly automatically. The existing pressure is used to deliver small amounts at high frequency intervals to a sample collection system. The collected sample represents the total product quantity.

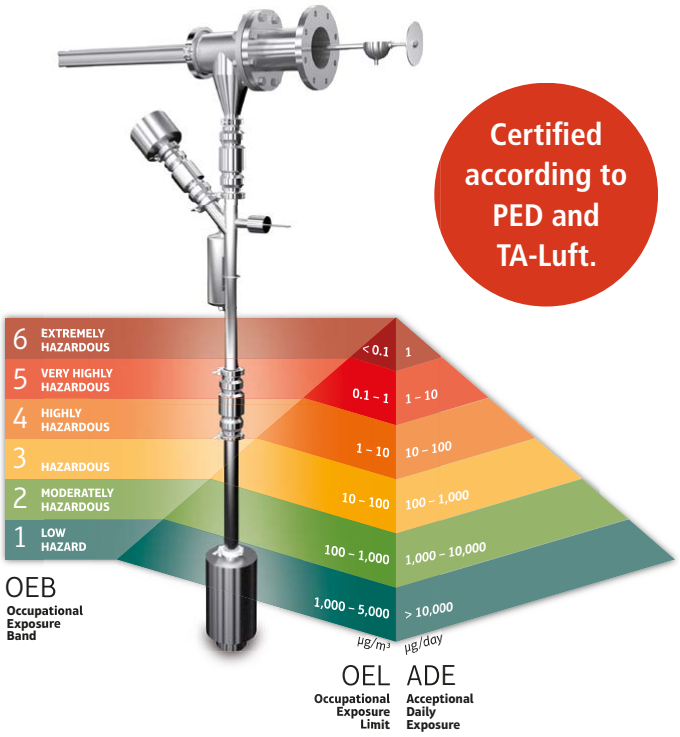
- Abrasion is avoided
- Simple assembly into an existing process
- Hygienic: suitable for food and pharma
- No direct intervention into the process line
- Reliable at a working pressure up to 3.5 bar

Installation example

Containment sampler | sampling of toxic media

With the containment sampler sampling occurs using the SmartGlide p* cup sampler. Sampling is transported through the sampling system. The point of withdrawal as well as the sample collection point are separated from the continuing process with pneumatic pinch valves. Their tightness has been tested according to DIN 12266-1 P12 leak rate A inclusive protocol. Because of the pressure in the testing intermediate chamber this pressure is monitored by a pressure transmitter – approved according to ATEX product line 2014/34/EU. The filter system for the pressure equalisation of the sample chamber is according to filter class H13. In addition the containment sampler includes a compressed air storage with a safety circuit, in order to keep the pneumatic actuated pinch valves closed in case of a pressure drop. At the end of the sampling process the samples are captured in a collection hose with a length of 20m and packaged for secure transportation.

- No release of toxic substances
- Maximum product protection
- Guaranteed leak-tightness in the process
- Sample size determined by cup size
- Precise process management



Certified according to PED and TA-Luft.

For further information, please ask our partner:

REMBE® Kersting GmbH

Zur Heide 35
59929 Brilon, Deutschland
T +49 2961 7405-300
F +49 2961 7405-349
info@rembe-kersting.de
www.rembe-kersting.de