GMP SAMPLING

A brand of FOSBA GmbH

SmartGlide

Sampling System for bulk solids

Dokumentation

QAQC LAB

www.qclabequipment.com

- Please read carefully -

Subject to change.

The manufacturer is not liable for transport damage or damage caused by improper operation of the device..

QAQC LAB 589 Rappahannock Drive White Stone Va 22578 TEL (804) 318-3686

Content

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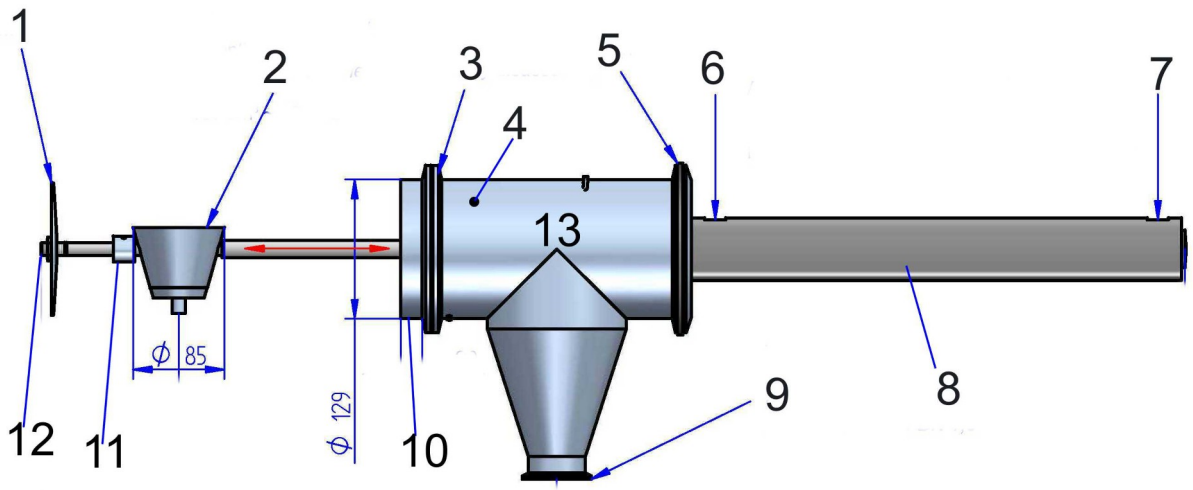
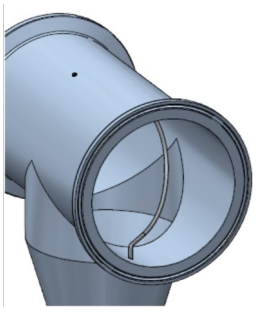
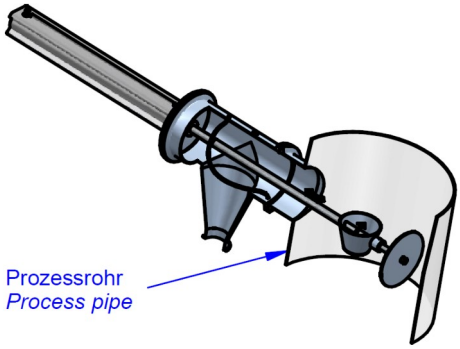
1. Components



1. Front disc cover
2. sampling cup ~150ml
3. front clamp band with seal
4. cleaning nozzles (3x, optional)
5. rear clamp band with seal
6. air supply fitting 8 mm with throttle (cup retracts)
7. air supply fitting 8 mm with throttle (cup forward)
8. air cylinder (Festo)
9. sample outlet spout DN 50 TC
10. weld flange DN 125
11. fixing collar
12. hex nut
13. T-housing





2. Safety regulations

- The operator has to know about the instruction and have them available at all times.
- Only use the sampler in accordance with its resistance properties.
- Medium-contacting parts are made of stainless steel 316 / 316L, EPDM.
- Always wear protective clothing.
- Respect the safety hints given by the reagent manufacturer (safety data sheet).
- Always handle the apparatus so that neither the use or nor other person are endangered.
- Never use force.

Remove or shutt-off all air supply prior to dismantling the sampler

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3. Installation, Sampling, Limitation

3.1 Installation

The supplied weld flange has to be welded onto the wall of the duct or the down pipe. To do so, a hole has to be cut into the wall. When welding the flange please spot weld first to avoid deformation of the flange. Then seal weld.
Distance from flange face to wall of duct no larger than 20mm.

Mount the sampler to this triclamp flange using the clamp band and seal. Connect the air supply pipes to the appropriate fittings (6 + 7). **Air pressure**: 0,8-1,2bar
Connect the sample container or system onto the sample outlet spout (9).
Adjust air throttle to limit speed of the cup movement. (0,2 m/s)

3.2 Sampling

When air is supplied to connection 7 the air cylinder will drive the sampling cup (2) into the downstream where it will be filled. By supplying the air connector (6) the air cylinder with sampling cup (2) will drive back into the housing (13) where the cup will be tipped and emptied. The optional air nozzles (4) can be used to clean the internal of the sampler after sampling..

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3.3 Limitations

The SmartGlide Sampling System is suitable for all bulk material falling down by gravity, which are at least free flowing and having a maximum particle size of 20 mm. The dwell time of the sampling cup (2) in the downstream should not be longer as necessary.

Operating temperature: -20°C bis 80°C
Pressure: NON

4. Cleaning and Maintenance

The SmartGlide Sampling System should be cleaned regularly, especially on product changes. The whole system should be disconnected from air supply, dismantled and cleaned on the work bench.
Before reconnection you should check, that the sampling cup on the cylinder rod can move freely to ensure a reliable tipping of the cup..

5. Help

If you need further help or advice for installing, commissioning or maintenance, please contact:

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