

AZO sampling unit type PRA... pneumatic type for sampling out of silo filling lines

**Reliable sampling
at tank truck
supply**

**Quick and easy
handling**

**Simple and
compact
construction**

Easy-to-clean

Preferred application

The unit is mostly used for the filling of outdoor and indoor silos. It is used for sampling during the product supply e. g. with tank trucks.

Special advantages

Due to its compact design it is possible to remove samples from several pneumatic silos filling lines.

Design

The pneumatic sampling unit consists of a receiver which can be connected to the individual silo filling lines and a small air cleaned filter. Additionally the unit can be equipped with level indicator and butterfly valve. The manual or pneumatic shut-off valve may be used for discharging the sampling hopper.

THE INNOVATION



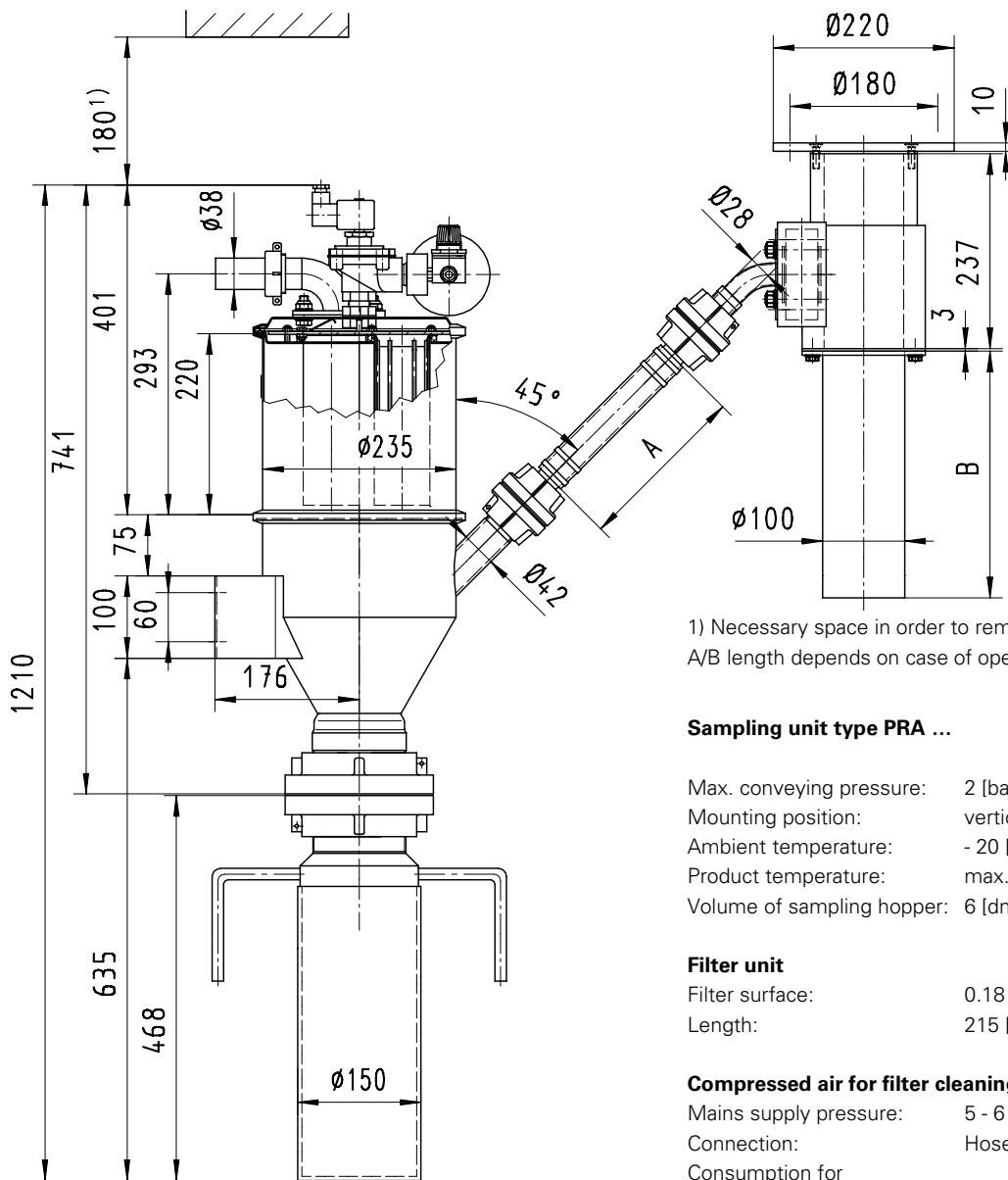
How it works

During filling of the silo there is an overpressure existing and is therefore pressing a defined quantity into the receiver and the air is leaving through a filter. The filling level is controlled by a level indicator and gives a signal to the operator if the sample can be removed into the sampling hopper by the manual butterfly valve. After finishing of sampling

the collection hopper can be removed by quick acting clamps and closed with a cover. This closed hopper can be brought to the laboratory. In this way one sample after the other can be removed from the pipe lines during filling. The product within the silo will only be used for production if the laboratory has given its release. If faults or

anomalies occur during sampling it is possible to stop the supply for use in the production area. The product can then be discharged and returned to the supplier.

Technical Data



1) Necessary space in order to remove the cover
A/B length depends on case of operation

Sampling unit type PRA ...

Max. conveying pressure: 2 [bars] overpressure
Mounting position: vertical
Ambient temperature: - 20 [°C] up to + 40 [°C]
Product temperature: max. 80 [°C]
Volume of sampling hopper: 6 [dm³]

Filter unit

Filter surface: 0.18 [m²]
Length: 215 [mm]

Compressed air for filter cleaning and drive

Mains supply pressure: 5 - 6 [bars] overpressure
Connection: Hose Ø8x6 [mm] overall tolerated
Consumption for filter cleaning: ~ 7 [dm³/ cleaning impulse]
Drive at ballcock: ~ 0.25 [dm³]

