

AIR SLIDE SAMPLER QCX® PSA101/102

The Air Slide Sampler samples fine powders from the material flow inside an air slide conveyor. It features a pneumatically operated sampling pipe with a reliable and robust sampling finger that is extended into the flow to collect a representative sample with timestamp, for complete traceability.

The sampler's compact size means it can be installed in a premium position to achieve representative sampling; a position that allows good access to the material stream and yet is away from flow disturbances, bends and dedusting connections. It is also designed to sample under different pressure conditions, including very low pressure.

Because it does not introduce chains or plates into the material stream, the air slide sampler does not reduce or hinder the material flow in the air slide, allowing efficiencies and productivity to be maintained.

The air slide sampler is suited for sampling dry, non-sticky fine material as well as granular bulk material that is airborne, with a grain size up to 1 mm and a maximum temperature of 120°C (optional 150°C).

ADVANTAGES

- Representative, consistent and robust sampling: the air slide sampler's ability to sample from an ideal position in the material flow, and its robust sampling finger ensure accurate sampling results.
- QCX integration: the air slide sampler seamlessly integrates with your automated QCX/Autosampling system to maximise your sampling accuracy and efficiency.
- Small space suitability: your plant's design need not limit your ability to achieve representative samples from your air slide. The air slide sampler's compact size allows it to be installed in the smallest spaces.

HIGH REPRESENTATIVE SAMPLING FOR QUALITY AND PROCESS CONTROL

How it works

The air slide sampler uses a robust sampling finger to enter the material flow inside the air slide and collect the sample in a sample container.

Or for a sampling solution that includes an integrated mixer, the sample falls into the mixer and is either collected in a plastic container or enters a dosing unit and automatic sending station.

Possible configurations

Automated air slide sampler with manual sample collection (PSA101)

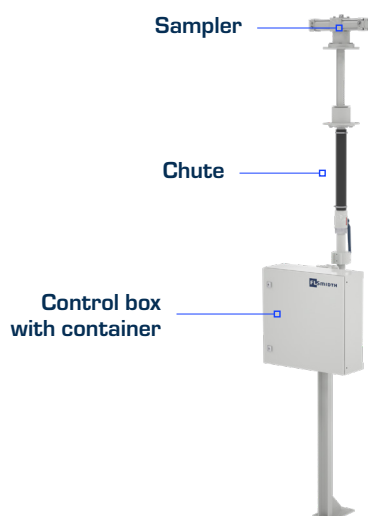
The air slide sampler may be integrated with a designated sample collection container, further enhancing its ease of use.

Automated air slide sampler with sending station (PSA102 + PTS102)

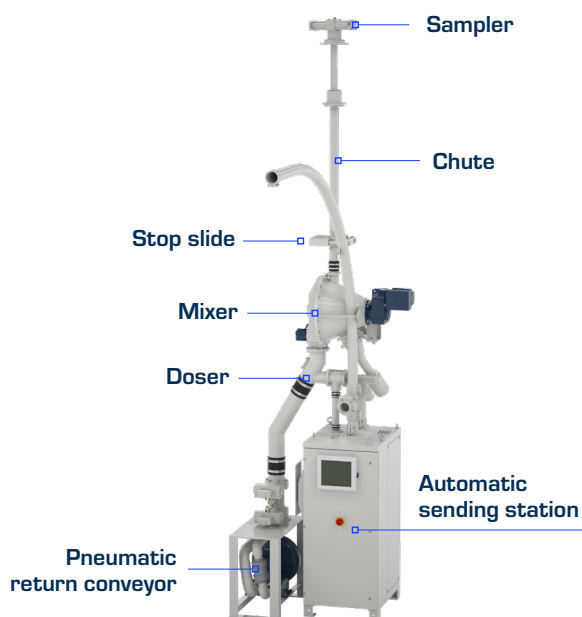
When integrated with an automatic sample transport sending station for automatic sample collection, sampled material is transported in a capsule via pneumatic tube transport system to laboratory, saving time and minimising waste.

SPECIFICATION OF SAMPLER

Sample material	Dry, non-sticky, up to 120°C, top size 1 mm (optional 150°C)
Sampling location	Air slide conveyor
Sampling type	Spot and incremental sample
Sample quantity	Adjustable by time
Sample frequency	< 60 incremental samples / hour
Compressed air supply	0.6 – 1.0 MPa (Quality 2.4.2 as per ISO 8573-1)
Power supply	3 x 380 – 500 V, 50/60 Hz
Operating conditions	Temperature: -10°C to 40°C, optional -20°C to 55°C Humidity: 0 – 100%
Weight	Approx. 35 kg
Dimensions (H x W x D)	410 x 160 x 280 + height of air slide mm



PSA101



PSA102 + PTS102