



QCX® PSI100X Inspection Sampler ATEX

The PSI100X Inspection Sampler ATEX is used for spot and continuous sampling of potentially flammable and ignitable fine powder and granular materials from a chute. It is usually used for coal dust or milled coal, and is best suited for materials with a grain size up to 2 mm and a maximum temperature of 80°C.

Sampling ignitable products comes with inherent risks for your operators. The Inspection Sampler is especially designed to perform highly representative sampling of this type of material in the safest possible way. It complies with all ATEX legal requirements for controlling explosive atmospheres and for the equipment and systems used within.

The Inspection Sampler is made with high quality materials that will not produce sparks. If small explosions occur, your operators are protected by high pressure resistant valves.

Overall, it is a high-quality screw sampler that can be trusted to produce consistent material.

Advantages

- **Certified:** the Inspection Sampler is compliant with strict ATEX regulations, strongly reducing the risk of potential accidents for your operators.
- **Consistency:** the high-quality screw sampler design ensures the Inspection Sampler consistently delivers highly representative samples.
- **Trusted:** as a robust product within our trusted and well supported range, you can have extra peace of mind to use this inspection sampler in inherently dangerous conditions.

Reducing risk in explosive environments

How it works

The Inspection Sampler is usually applied before or after the coal silo in the free-falling material stream.

To take the sample, your operator empties the screw by reversing the drive direction.

The sample container holds up to two litres of material, and a mechanical interlock prevents the system from sampling if no container is in place.

Possible configuration

As well as being purposefully designed to be ATEX compliant, the Inspection Sampler is a highly functional unit that can be used in any chute.

Specification

Sampler length	Up to 1,500 mm, longer on request
Sample material	Dry, non-sticky, up to 80°C, top size 2 mm
Sampling location	Vertical chute with free falling material
Sampling type	Spot sample
Sample quantity	Max. 2 l
Sample frequency	On demand
Operating conditions	Temperature: -20°C to 55°C Humidity: 0 – 100 %
Weight	Approx. 80 kg
Dimensions (W x D x H)	Max. 1,880 x 310 x 1,090 mm
Sampler certification	ATEX zone 20/22

