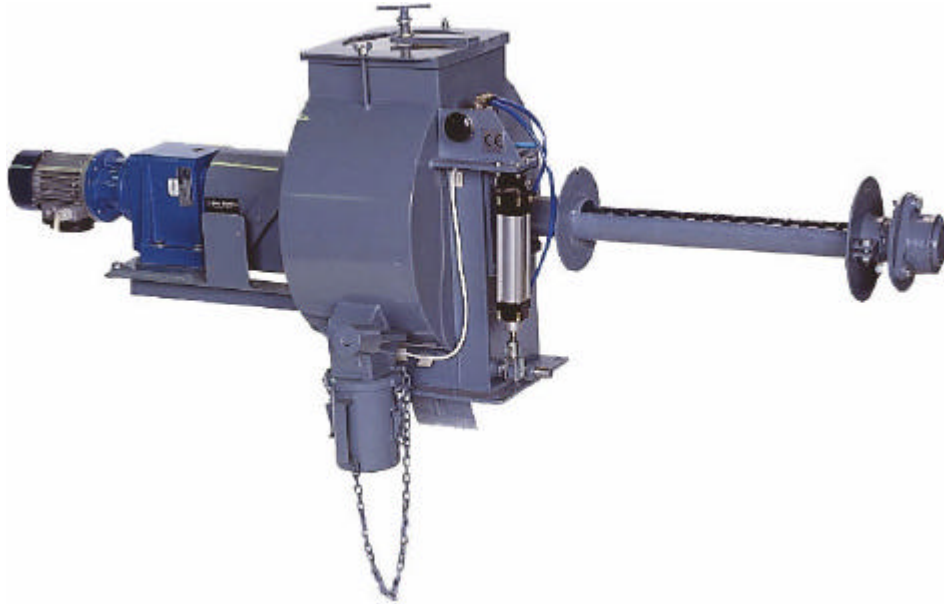


Screw Sampler

Type SMX



Screw Sampler Type SMX-A500R-M

The **Screw Sampler Type SMX** is designed to create an average sample from continuous extraction of dry, non-sticky powdered material from a free falling flow of materials.

General Description:

The continuously operating sampler is driven by a geared motor, coupled to a transport screw crossing the flow of material. The screw transports the extracted material to a mixing tank, where it is homogenized by mixer wings connected to the through going screw conveyor shaft. The sampler can be delivered with the drive unit installed next to the mixing tank (Type SMX-A500R-M) or for installation on the opposite side of the chute (Type SMX-A500R-S).

The mixed test sample is extracted manually (SMX-M500R-M) from the mixing tank into a beaker (volume approx. 1.4 litres) and the mixing tank content is manually discharged afterwards.

This mixer design ensures, that the material at any time present in the mixer tank will represent a true average of the material having passed the sampler, since the mixing tank was last emptied.

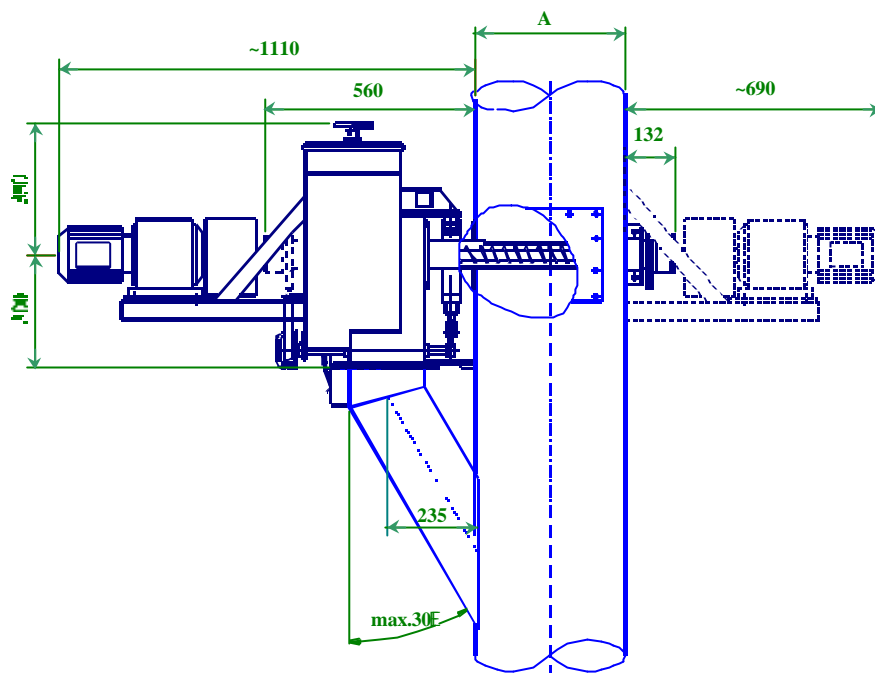
The mixing tank has an overflow to safeguard against overfilling. Excess sample material is returned to the main material stream by gravity.

The mixing tank is provided with an observation window.

The standard SMX sampler is not suited for installation in pressure systems.

As an option the screw sampler can be provided with a pneumatic cylinder for automatic discharge (SMX-A500R-M) of the mixer tank content into the reject chute where optional equipment like dosing unit for automatic tube post sending/receiving station can be installed.

For special purposes the SMX sampler can be provided with variable speed drive.



The SMX sampler can be mounted in a chute with max. 30° inclination, either rectangular or circular.

Standard outside chute dimensions:

A = 250, 315, 355, 400, 450, 500, 560, 630 or 710 mm.

Main dimensions:

Total length: A + 1245 mm
 Screw diameter: \varnothing 50 mm
 Mixing tank volume: ~ 25 l (effective)
 Flange, outlet mixing tank: 280 x 280 mm
 Weight: App. 90 kg

Drive:

Type: Helical geared motor
 Voltage: 3 x 400 V, 50 Hz
 Power: 0.18 kW
 Speed: 10 rpm
 Coupling: Elasto rotative

Pneumatics: (for automatic discharging only).

Type: Double acting cylinder
 Pressure: Min. 5 bar, max. 10 bar
 Quality: Dry and oil free
 Consumption: Minimal

Signal:

Type: REED-Switch
 Voltage: AC: Max. 240 V, max. 50 VA, max. 5000 mA
 DC: Max. 300 V, max. 50 W



M&W JAWO HANDLING AS



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