

# AUTOMATIC SAMPLE TAKER

## ST-P

### GENERAL

Brand	Cimbria
Designation	Automatic sample taker
Model	ST-P
Use	Industry

Nowadays, permanent quality control is an absolute must in every business. Therefore, of course also the outcome of our processing plants requires steady monitoring so that the customer can be 100% sure that the setting of the machines has been done correctly and following the quality of his high valued product is steady and on high level.

Our automatic sample takers can be placed in several neuralgic parts of the plant to frequently take probes of seed for analysis of quality in the laboratory. In this connection, it is highly important that those probes are representative for the whole lot of product being processed, and this is exactly what our sample takers can guarantee by meeting the requirements of International ISTA- regulations.

Samples are taken by means of a sampling hopper moving through the whole width of the grain pipe inside the sample taker, driven by a pneumatic cylinder. This movement is absolutely uniform, speed and gap- width of sampling hopper can be adjusted precisely. Additionally, the sampling- frequency can be regulated by the included timer controlled switchboard. Thus, the customer can regulate both size and number of samples following his requirements or respectively governmental predictions.

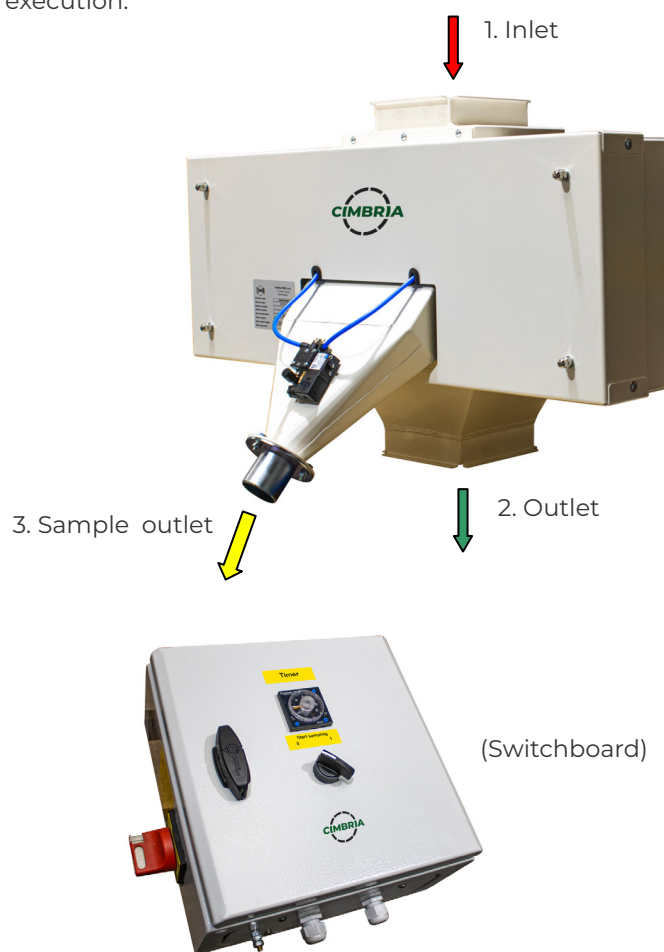
Between the samples, the sampling hopper is in a parking position totally outside the product stream to prevent any loss of product into the sample pipe and of course also to prevent incorrect samples.

Samples are typically collected in a transparent foil- tube, divided by a manual welding gripper to keep the single samples separated from each other.

Many different sizes of sample takers are available to meet the specific size of grain pipe where the sample taker shall be mounted and of course the required throughput capacity.

### Optional

On request the machine can be equipped in ATEX- execution.



Technical data		Type ST-P (pneumatic cylinder)						
		Ø150 fb	Ø160 fb	Q-16	Q-20	Q-24	Q-30	Q-50
Grain pipe dim. (1.2)	mm	Ø150	Ø160	160x160	200x200	240x240	300x300	500x500
Grain pipe dim. (3)	mm	Ø50	Ø50	Ø50	Ø80	Ø80	Ø80	Ø98
Aspiration pipe dim.	mm	-	-	-	-	-	Ø60	Ø60
Power supply		1/N/PE 230V 50 Hz or 24VDC						
Air consumption								
Pneumatic cylinder at 6 bar	l / sample	3	3	3	4	4	8	12
Exhaust air	m <sup>3</sup> /min.	-	-	-	-	-	5	5
Dimensions	mm							
Length		860	860	860	1145	1145	1525	2150
Width		495	495	495	550	550	735	1010
Height		520	520	520	735	735	750	1000
Net weight	kg	38	38	38	70	70	95	155

Technical data can vary for certain of the above due to continued development or a different machine composition.