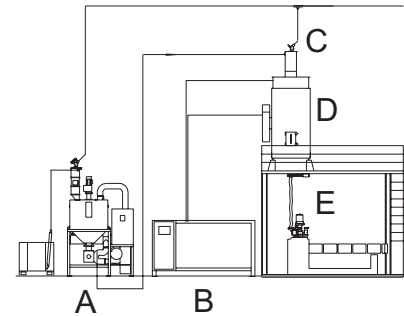


Typical application of a crystallizer.

- A Crystallizer
- B Crystallizer Hopper
- C Drier
- D Conveying system
- E Drying hopper
- F Feeding system



Component B is described below.

Brief Description

Application

Colortronic crystallizers also convert other amorphous plastics into semi-crystalline ones so that a subsequent drying sequence is possible without problems.

- Colortronic crystallizers are designed for continuous, 24 hour operation.
- Colortronic crystallizers meet all CE requirements

Sturdy Construction

In the process, the material is heated and kept moving constantly during the crystallization phase by an agitator. This prevents the clumping of the material during the crystallization phase.

The system is operated by a micro-processor SPC control system.



Technical Data

Basic Version

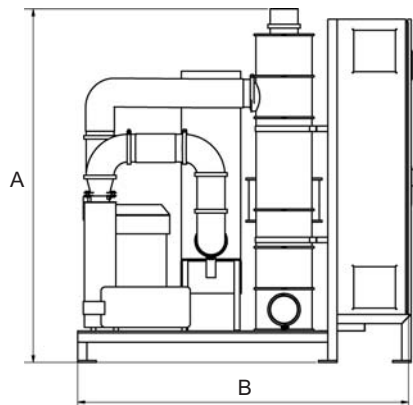
- All parts coming into contact with the products are made of stainless steel
- Large cleaning opening
- Start-up program
- Adjustable crystallization temperature
- Self adjusting crystallization time
- Adjustable level probe
- RPM controlled blower (starting from CPK L 1800)
- Safety temperature limiter on heater
- Even, optimum degree of crystallization due to horizontal agitator
- Continuous material process

Optional Equipment

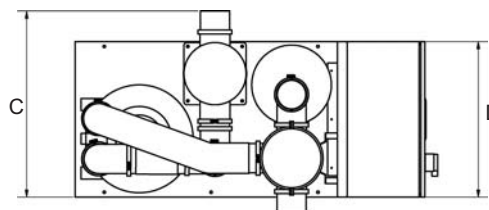
- Bucket wheel sluice for inlet and outlet
- De-dusting separators for processing of dusty materials
- Heat exchanger for energy saving
- RPM controlled blower
- Integrated conveying control
- LAN interface

Performance

	CPK XS 120	CPK S 240	CPK S 420	CPK M 700	CPK M 900	CPK L 1200	CPK L 1800	CPK XL 2300	CPK XL 3000
Voltage	3/N/PE 400 Volt 50 Hz								
Throughput max.	40 kg/h	80 kg/h	150 kg/h	230 kg/h	300 kg/h	450 kg/h	600 kg/h	750 kg/h	900 kg/h
Air capacity max.	120 m³/h	240 m³/h	420 m³/h	700 m³/h	900 m³/h	1350 m³/h	1800 m³/h	2250 m³/h	2700 m³/h
Connected load max.	8,4 kW	12,1 kW	23,5 kW	36,8 kW	46,5 kW	58,5 kW	86,0 kW	110,0 kW	140,0 kW
Crystallizer hopper									
KT125	X	X							
KT250		X							
KT500			X	X					
KT750				X		X			
KT1000					X		X		
KT1500						X		X	
KT2000							X		X
KT2500								X	X



CPK	XS	S	M	L 1200	L 1800	XL
A	1460	1460	1860	1860	1950	1950
B	1530	1530	1800	1800	1952	1952
C	682	682	1000	1000	1100	1100
D	600	600	800	800	1000	1000



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