

t-max

PET CRYSTALIZER

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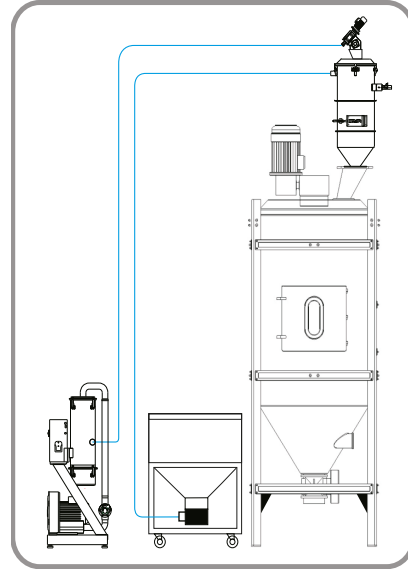
Pet Crystalizer

- Fixed speed of agitator makes materials not lump together during the crystallization
- High efficiency an deven crystallization
- Simplify and improve drying efficiency
- Materials can be dried under high temperature by using Standard hopper
- Standard cyclone dust collector is applied to dust-rich place,to effectively reduce theload on air-return filter,and the number of times for filter cleaning,thus extend the life on the filter bag.
- With double overheat protectors,it can reduce the possibility of either mechanical or man-made problem
- Equipped with totary valve with good sealing performance,wich can output crystallized material accurately
- Equipped with negative pressure tester to immediately test the ventilation of the filter. Give an alarm when the negative pressure is higher than the setting value, clean the filter to avoid blockage.



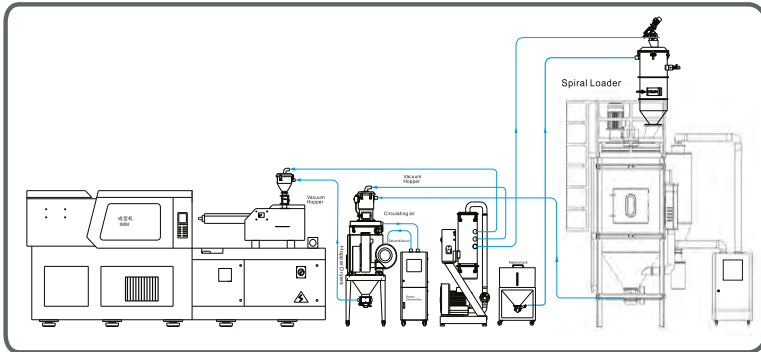
ACCESSORIES OPTIONS

- Can be used with dehumidifiers for direct processing
- Auto loader,hopper receiver,magnetic base,suction box are optional for material conveying
- Optional screw loader for stable an deven conveying of un-crystallized material
- External pipeline is optional with the stainless steel configuration
- Optional positive pressure feeding

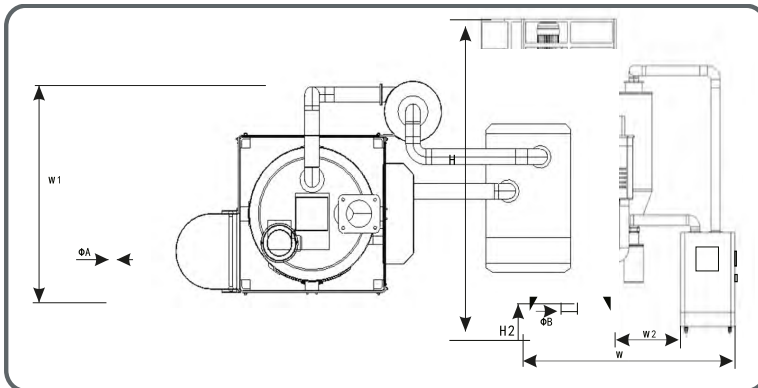


Vakum Yükleme

TCR Applications

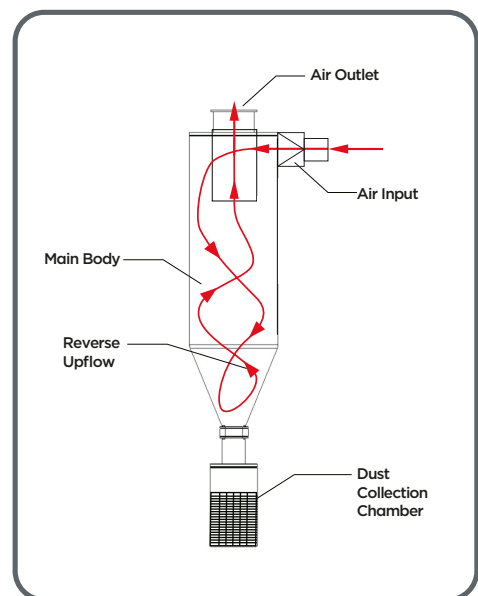
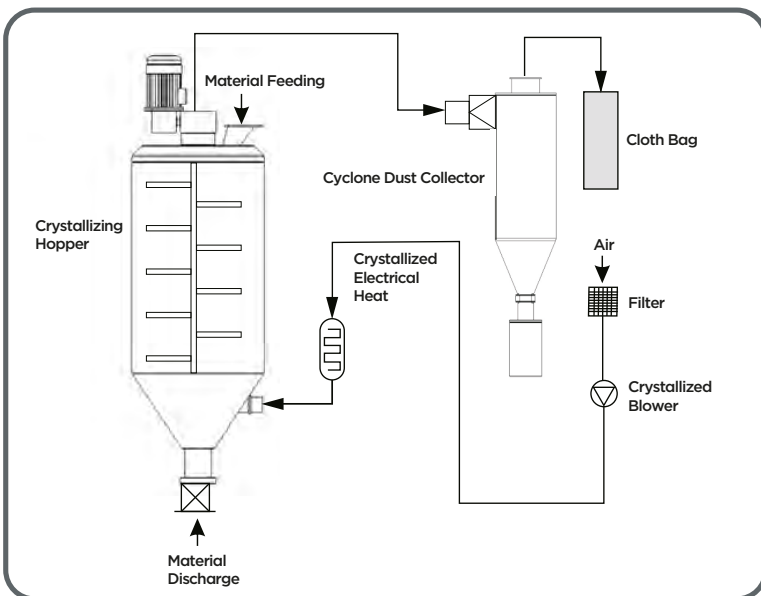


Dimensions



WORKING PRINCIPLE

Once material filling starts, heat blower starts un and material heating begins. Control cabinet would stop sending signals to auto loader when material filling amount is higher than material level switch. Then material heating lasts for a while. When temperature sensing needle detects the value of reaching the set crystallized temperature. Material would be conveyed out via feeding device meanwhile, as material level in hopper lowers gradually, filling device starts to supply the un-crystallized material accordingly to realize the continuous crystallization process. When temperature sensing needle detects the temperature value of stopping material conveying, feeding device halts. If temperature rises again to reach the set crystallized temperature, feeding device will be activated to work so that the continuous crystallization process can be realized through this of circle.



APPLICATIONS

TCR closed-loop crystallizers are used for constant crystallization of un-crystallized PET virgin or regring material.Processed materials then can be dried and dehumidified directly.This system mainly consists of heating elements,insulated hopper and agitator screw mixing device.After un-crystallized PET materials fed into the hopper,the system starts crystallization and agitator starts blending to prevent formation in lumps.Crystallized materials can be conveyed to material storage bin or into drying hopper.

Model	TCR-160U	TCR-450U	TCR-900U	TCR-1600U	TCR-2500U
Heater Power (kW)	12	24	48	96	128
Fan Power (kW)	0.55	2.2	3	7.5	15
Mixing Motor Power (kW)	0.25	1.1	1.5	1.5	4
Maximum Yield (kg/hr)	50	150	300	500	750
Hopper Capacity (L)	160	450	900	1600	2500
Y (mm)	2380	3850	4450	5350	5670
Y1 (mm)	280	720	1040	860	1270
H2 (mm)	380	1060	1185	1260	1270
G (mm)	1040	2370	2890	3570	4050
W1 (mm)	1140	1440	1930	2190	2350
W2 (mm)	...	800	800	800	800
A (Inch)	3	5	6	8	8
B (Inch)	4	4	5	5	5
Net Weight (kg)	235	500	865	2290	2790

PET (Properties of Substance)

PET material is well-used in textile fiber, food and chemical packaging, tape stripes, industry thread, heat-resistantant dishware. Air bubble and chapping will take place due to its high moisture content. With this drying demand and the development on plastic industry, t-max provides a series of secured and reliable drying and dehumidifying Technologies for for PET molding and other PET product manufacturers T-max's PET system with great technology can meet various application demands.

- Bottle and blank making
- Thermal forming film and sheet making
- Strapping tape and industrial yarns making
- Tubing making
- Waste recovery making



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