

Air Dryer System



Hongmao air dryer system is composed of air heater, air filter, disintegrating disc, thrower, venturi pipe, air drying pipe, cyclone separator, induced draft fan and other equipments. The rapid movement of the heat carrying air flow is used to suspend the dried material, and the change of the pulse tube with different diameter and airflow velocity is used to make the material keep rolling, strengthen the drying process and improve the heat transfer coefficient, so as to achieve the purpose of drying. The drying time is only about 3-5 minutes, and the temperature of the material to be dried should not exceed 60 degrees.

Hongmao air dryer system can be widely used in powder, flake, heat sensitive materials drying. Especially suitable for corn, potato and other raw materials to produce starch, protein powder drying and food, chemical, pharmaceutical, agricultural and sideline products and other granular loose materials drying.

Features:

- (1) High heat transfer coefficient, can continuously dry large number of materials;
- (2) Fast drying speed, good material quality;
- (3) Working under negative pressure, clean working environment and pollution-free;
- (4) Low consumption;
- (5) Easy operation, small area needed and low investment.

Technical parameters

| Model | Commercial starch output, T/H | Feed water content, % | Discharge moisture content, % | Steam consumption kg steam / kg water | Power kW |
|----------------|-------------------------------|-----------------------|-------------------------------|---------------------------------------|----------|
| HM-AD1.0-P7.5 | 1.0 | <40 | 12-14 | 1.8-2 | 7.5 |
| HM-AD2.0-P11 | 2.0 | <40 | 12-14 | 1.8-2 | 11 |
| HM-AD3.0-P22 | 3.0 | <40 | 12-14 | 1.8-2 | 22 |
| HM-AD4.0-P37 | 4.0 | <40 | 12-14 | 1.8-2 | 37 |
| HM-AD6.0-P90 | 6.0 | <40 | 12-14 | 1.8-2 | 90 |
| HM-AD10.0-P110 | 10.0 | <40 | 12-14 | 1.8-2 | 110 |
| HM-AD15.0-P132 | 15.0 | <40 | 12-14 | 1.8-2 | 132 |
| HM-AD20.0-P132 | 20.0 | <40 | 12-14 | 1.8-2 | 132 |

Hongmao relies on the professional design, the strict production management, the fine processing procedure, provides the high efficiency and energy saving equipment system for the customer. Manufacturing factory has passed the international ISO9001 quality system certification, and with the design and manufacturing capacity of pressure vessels. Customers can choose international ISO, American AWS, European EN and other standards for equipment design and production according to their needs.