



### Desand Cyclone and Degerm Cyclone

HM-CY-DS series desand cyclone is mainly used in starch production to remove sediment, metal particles and other impurities in starch milk. It is also suitable for removing heavy phase impurities in other fluids. There are two kinds of cyclone body: stainless steel & ceramic and high strength wear resistant plastic. Advanced design, easy installation and high efficiency of sand removal.

**Working principle:** Under the pressure of 0.5MPa, the starch milk enters along the tangent direction of the desander and generates centrifugal force due to the rotary movement. Due to the different specific gravity of the material, the heavy phase impurities such as sand are thrown to the periphery and discharged along the inner wall from the bottom. And the starch milk overflows through its upper overflow pipe into the next process.

HM-CY-GM series germ cyclone is mainly used to separate the germ after the corn is coarsely broken. This equipment is static equipment, simple structure, advanced design, easy installation and large production capacity range.

**Working principle:** The crushed material enters from the tangent direction through the feeding inlet under a certain pressure. Due to the different specific gravity of the germ and the corn slurry, under the action of centrifugal force, the free germ discharge through the overflow outlet and the corn slurry is discharged from the lower part.

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, EU CE and other standards for equipment design and production according to their needs.

### Technical parameter

#### HM-CY-DS series desand cyclone

Model	Capacity, m3/h	Feed pres., MPa	Desand efficiency, %	Remarks
HM-CY-DS1	30-35	0.5	≥97	2+1 cyclones
HM-CY-DS2	60-70			4+2 cyclones
HM-CY-DS3	90-100			6+2 cyclones
HM-CY-DS4	120-130			8+2 cyclones
HM-CY-DS5	150-160			10+2 cyclones

#### HM-CY-GM series germ cyclone

Model	Single cyclone capacity, t/h	Feed pres., MPa
HM-CY-GM12.5	1.5-2.0	0.5
HM-CY-GM15	2.0-3.0	0.6
HM-CY-GM22.5	8.0-10.0	0.7