

Centrifugal Screen**Product Coding**
P4201XXXXX**Introduction**

A centrifugal screen is a specially designed filtration element used inside screen scroll centrifuges, which are continuous separation machines used to separate solids from liquids in a slurry. The screen itself is usually conical or cylindrical and made with V-Wire technology for strength and precision. In operation, slurry enters the centrifuge, and through centrifugal force and a rotating scroll, the solid particles are pushed along the basket while the liquid drains through the screen. These screens play a critical role in separating, dewatering, and filtering particles in dynamic, high speed environments.

**Features**

- V-Wire construction for high strength and precise slot openings
- Available in conical or cylindrical shapes for screen scroll centrifuges
- Supports continuous solid/liquid separation
- Freestanding welded design for enhanced mechanical durability
- Can be dynamically balanced for high-speed rotation
- Optional reinforcements available for extreme pressure or abrasive conditions
- Custom alloys and anti-abrasion coatings available for harsh environments
- Ensures consistent filtration threshold under dynamic forces

Applications

- **Chemical processing:** Separation of solid from liquids
- **Mining:** Dewatering of mineral slurry
- **Pharmaceuticals:** Separation and purification of active ingredients
- **Food and beverage:** Processing starch, sugar, or other particulate liquids
- **Wastewater treatment:** Continuous sludge separation
- **Paper and pulp:** Fiber recovery and water removal
- **Agriculture and fertilizers:** Screening of fertilizers, pesticides, and seed powders to achieve uniform particle size
- **Plastics and polymers:** Screening of plastic powders and granules, removal of agglomerates, and recovery of reusable resin particles.



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