

CPE Rotary Vacuum Pan Filters

Chemical Plant & Engineering is a world leading designer and manufacturer of vacuum rotary pan filters with over 5 decades of global supply experience.



- Custom designed filters to address specific process requirements.
- Available in a variety of construction materials and size range from 0.7-100 m² of effective filtration area.
- Complete filter stations with PLC system are available to manage filtrate and vacuum systems.



Applications and Advantages

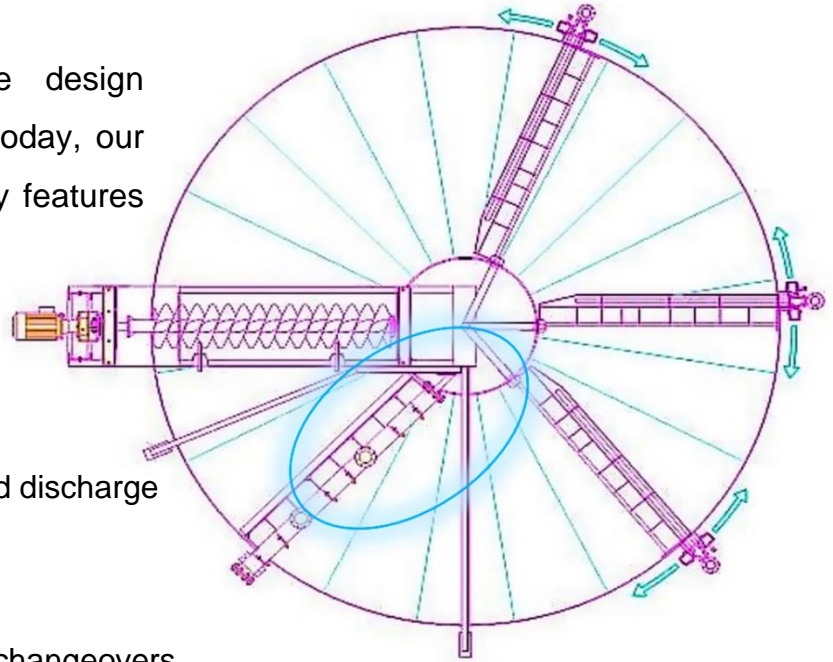
CPE pan vacuum filters are suitable for continuous filtration of rapid settling, free filtering solids and are designed for ease of installation, reliable operation, rapid dewatering, and efficient cake washing at large capacities.

- Alumina Hydrate Filtration
- Iron Ore Dewatering
- Gold Refineries
- Nickel, Cobalt, and Graphite Refineries
- Pot Ash Processing
- Sand Oil Filtration

Why Use CPE Pan Filters

For decades, CPE has pioneered the design modification of rotary vacuum pan filters. Today, our filter design is the best in its class with key features including below:

- ❑ Variable Speed Main Drive
- ❑ Ability to alter positioning of feed, wash and discharge devices on the pan deck.
- ❑ Designed to minimise vacuum losses
- ❑ Centre Hub Design for easy main bearing changeovers
- ❑ Superior pan flatness
- ❑ Wear resistant materials of construction
- ❑ Conservative design



Pan Filter Retrofit & Process Optimisation Services

CPE has a long history in process optimisation and retrofitting of vacuum filters. Main offerings include:

- ❑ **Vacuum Valve** designed to reduce vacuum and caustic leakage. Offering high performance and high flow.
- ❑ **Even Flow Feed Through and Wash Arm Assemblies** for Pan Filters
- ❑ **Fume Hood Systems** for Pan Filters: custom designed, suitable for containing caustic fumes during filtration.
- ❑ **Safety Enclosures:** designed for safe processing of hazardous materials. For small units, closure can be designed to enclose the filter as well as the vacuum pumps.



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