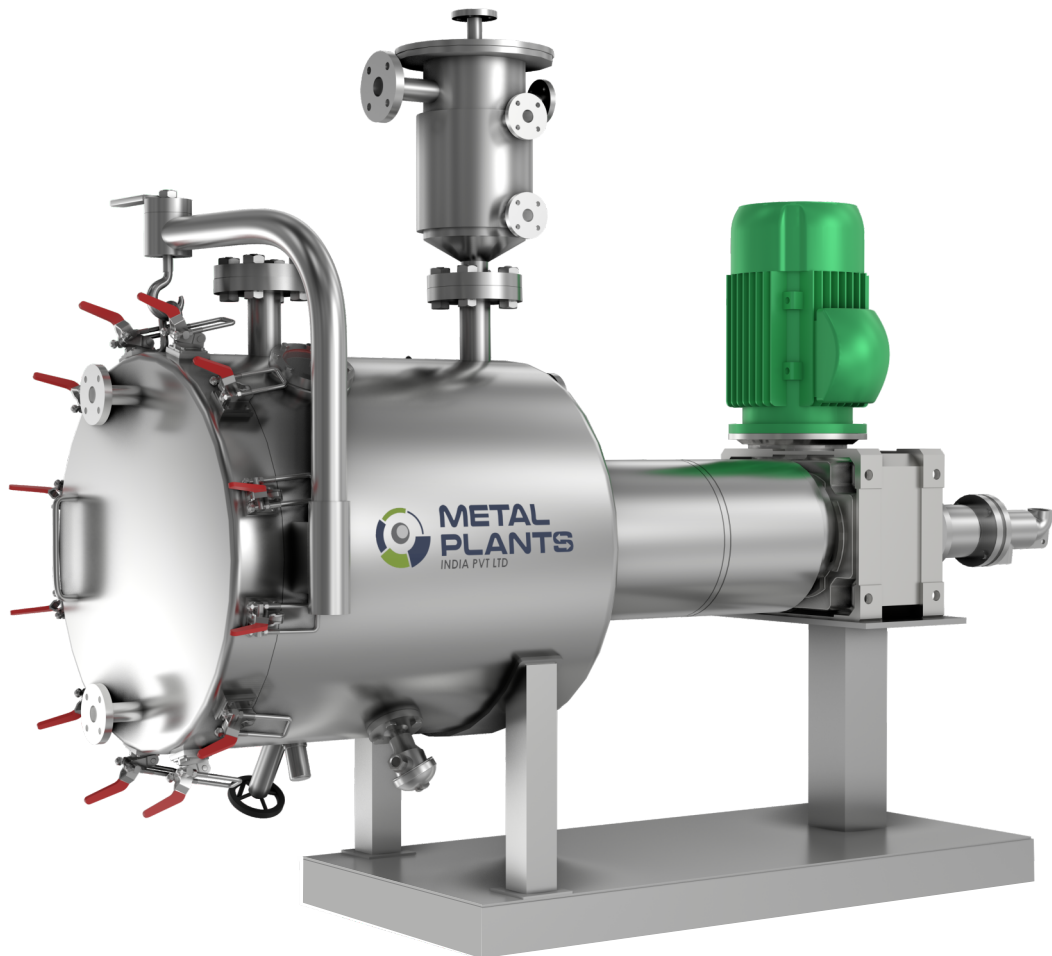


Rotary Vacuum Paddle Dryer



Pilot Plant available for Trials

Rotary Vacuum Paddle Dryer (RVPD) is used to obtain dry powder from a wet cake or slurry. The drying is carried out in a batch process under vacuum, making this one of the most economical solutions for drying. RVPDs are ideally suited for low temperature drying, solvent recovery, mixing, blending and extraction of useful liquids.

Rotary vacuum dryer is a horizontal cylindrical jacketed shell with hollow agitator, rotating in close clearance. A batch operation, drying is done under vacuum, heating is through jacket. The dryer offers a simple but effective method of drying wet cakes and sometimes slurries.

A paddle dryer is a heat transmission dryer, a machine that processes organic and inorganic granular and powdery materials. It dries (or cools) these materials by bringing them into direct contact with revolving, uniform shaped hollow heaters (paddles) without using gas as a heating medium.

We manufacture both variants CANTILEVER as well as SIMPLY SUPPORTED, in gross volumetric capacity from 100 L to 12000 Ltr, working volume is generally ~ 40%-60% gross volume depending on property of product. Drying time depends on material being dried, amount of solvent or water to be removed, desired LOD level, permissible jacket temperature etc.



Features / Accessories:

- Mechanical Seal: Single or Double
- GMP Design / Sterile Construction
- Quick Openings Design for End Covers
- Pulsating Dust Filter / Nitrogen Purging Arrangement
- Sampling Valve,
- Breaker Bars
- PI, TI Probes, etc
- Direct Drive

Our Range of Equipment / Systems

Process Equipment / Systems

Reactor: Cryogenic, GMP etc
Heat Exchangers
Columns
Batching & Blending Systems
Pressure & Nutsche Filters
Vacuum Tray Dryer
Rotary Cone Vacuum Dryer
Agitated Nutsche Filter & Dryer

Proprietary Equipment / Systems

Coaxial / Twin Shaft Dispensers
Twin Shell Blender
Double Cone Blender
Pilot System
Ribbon Blender
Steam Distillation System

Utility Equipment / Systems

Single Fluid Heat Transfer System
Hot Water Generators, PHE & Electrical
Hot Oil Generators, Electrical
CIP System
Solvent Dispensing & Dosing System
Tanks & Vessels

