

POWDERICS VACUUM TRAY DRYER



For temperature and oxygen sensitive products as well as in the processing of highly hygroscopic materials; drying under vacuum is required. Powderics (GPT) Vacuum Tray dryer is static tray dryer designed for exactly this purpose which works under vacuum conditions on conduction principle. This arrangement also supports in drying without contamination.

Inside the **dryer** are several shelves having **trays** on which the products are placed. The top most shelf is a dummy shelf placed there to ensure proper heating and to prevent the dried powder from escaping into the solvent extraction system

Specification:

- All Dryer Internals, product process area is in 316 / 316L, stainless steel construction, mirror polish.
- Sturdy welded external chamber reinforcement ensures maximum operating protection and dependability under full vacuum operation.
- Hollow pad type heating shelves baffled for essential heat transfer.
- All shelf-to-manifold connectors are located outside the dryer chamber, to preclude product contamination.
- Validation ports and nitrogen purge nozzles provided.
- Fluid heating and circulating systems provided either steam or electrically heated.
- Vapor condensation unit along with a receiver for solvent recovery.
- Integrated Vacuum pump system provided to match custom requirements.
- WIP (Wash in Place) system can be provided.
- PLC based automation of process batch control, with printable option.
- Full validation services available including DQ, IQ/OQ, FAT / SAT protocols.
- Circular and rectangular Drying systems ideal for small to moderate levels of production.
- Pilot Model to Production Models available
- Halar lined internals for corrosion applications
- Double Door loading available for large models.
- Full welded Skirt on Vacuum dryer body for Flush Mounting through the wall

Technical Data	No of Trays	Working Capacity (in Litres)	Machine Weight	Trays Per Shelf	Motor HP	Over All Dimension (In MM)		
						Length	Width	Height
PPT-VTD-6	6	24	150	1	2	840	1300	900
PPT-VTD-12	12	48	240	2	3	1300	1300	950
PPT-VTD-24	24	96	380	3	5	1400	2000	2000
PPT-VTD-48	48	192	640	3	7.5	1550	2000	2600
PPT-VTD-72	72	288	810	3	10	1550	4000	3000
PPT-VTD-96	96	384	960	3	15	1550	4000	3000