

TRAY DRYER / DEHYDRATOR



KEY FEATURES

1. Construction:

- Double-walled insulated chamber made of stainless steel (SS 304 or SS 316).
- Outer Body is of MS/GI duly powder coated

2. Heating System:

- Electrically heated with heaters placed in the air circulation path
- Uniform heat distribution through controlled air circulation.

3. Temperature Control:

- Digital temperature controller with a range typically from ambient to 150°C or higher.
- Accurate temperature monitoring with sensors and control panels.

KEY FEATURES

1. Trays:

- Removable stainless steel perforated trays for easy loading/unloading.
- Powerful axial or centrifugal fan for even air flow across all trays.
- Ensures consistent drying and temperature uniformity throughout the chamber.

2. Air Inlet and Exhaust:

- Adjustable air inlet and exhaust dampers for moisture removal and process control.

3. Air Circulation:

- Powerful axial or centrifugal fan for even air flow Across all the trays
- Ensures consistent drying and temperature uniformity throughout the chamber.

4. Safety Features:

- Over-temperature protection and safety interlocks.
- Proper insulation to minimize heat loss and ensure operator safety.

5. Mobility and Maintenance:

- Mounted on castor wheels for easy movement (in smaller models).
- Easy-to-clean internal surfaces and trays

TECHNICAL MATRIX

MODEL No.	PTE 406 A	PTE 406 B	PTE 406 C
INNER DIMENSION	430x840x910mm(WxDxH)	910X840X910mm (WxDxH)	960X1270X1440mm (WxDxH)
CAPACITY	330 liter	700 liter	1760 liter
WORKING TEMP. RANGE	from ambient +5°C to 200°C	from ambient +5°C to 200°C	from ambient +5°C to 200°C
TEMP. ACCURACY	±1°C	±1°C	±1°C
MOTOR	1/10 H.P. (1 nos)	1/10 H.P. (2 nos)	1/10 H.P. (4 nos)
TEMP. CONTROLLER	Microprocessor based PID Indicator cum controller	Microprocessor based PID Indicator cum controller	Microprocessor based PID Indicator cum controller
DOOR	Single door unit and toughened glass viewing Window	Single door unit and toughened glass viewing Window	Single door unit and toughened glass viewing Window
DOOR LOCK	Stainless Steel hinges	Stainless Steel hinges	Stainless Steel hinges
VENTILATION	Available on both sides	Available on both sides	Available on both sides
HEATERS	U shaped Elements	U shaped Elements	U shaped Elements
GASKET	Door gasket	Door gasket	Door gasket
SHELVES	Height adjustable (12 Trays)	Height adjustable (24 Trays)	Height adjustable (48 Trays)
TRAY SIZE	16"X32"X1/1/4	16"X32"X1/1/4	16"X32"X1/1/4
POWER	220VAC, 50 Hz	440VAC, 50 Hz	440VAC, 50 Hz

