



POPULAR TRADERS

Your Partner in Laboratory & Pharmaceutical Solutions



HYDROGENATION APPARATUS

PT-145 Catalytic · Low Pressure Shaker Type · 500 ml

Low pressure shaker type catalytic hydrogenation with SS 316 reaction bottle and supply tank.

Heated working temperature from ambient to 100°C; also in 1000 ml (PT-150) and 2000 ml (PT-155).

100
°C MAX



CERTIFIED & COMPLIANT



500 ml

SS 316 reaction bottle

4 Litres

SS 316 supply tank

0-7 kg/cm²

Pressure gauge

Ambient-100°C

Working temperature

SS 316 reaction bottle and supply tank · Series of three sizes: PT-145, PT-150, PT-155



Technical Specifications

Parameter	Specification
Motor Unit	H.P. 0.25, 1440 R.P.M, 230 Volts
Reaction Bottle	SS 316 grade, 500 ml
Supply Tank	SS 316 grade, 4 litres
Pressure Gauge	0 to 7 kg/cm ²
Body	Mild steel powder coated
Dimensions (L x W x H)	30 x 25 x 17 inch
Weight	60 Kg
Power Supply	230V, 50Hz, 1 phase
Working Temperature	Ambient to 100°C
Gas Inlet Assembly	2 way
Gas Connecting Assembly	3 way, to reaction vessel
HSN Code	90279020

Model Options

Model	Reaction Bottle	Supply Tank	Weight
PT-145	500 ml	4 litres	60 Kg
PT-150	1000 ml	5 litres	70 Kg
PT-155	2000 ml	5 litres	75 Kg

Optional Accessories

- PT-156 Spare parts: electric heater for heating up to 100°C and temperature control unit
- PT-156 Aluminium block for 250 ml reaction bottle (for PT-145)
- PT-156 Reaction bottle SS 316, 250 ml or 500 ml, pressure tested
- PT-156 V belt and silicon bush for 250/500 ml bottle

Applications

- Chemical synthesis: addition of hydrogen to unsaturated compounds
- Industrial processes for chemicals and pharmaceuticals
- Food industry: hydrogenating oils and fats
- Research and development: new catalysts and reaction conditions
- Fine chemicals: selective hydrogenation reactions

Why PT-145

- Pressure-tested SS 316 reaction bottle and supply tank.
- Heating from ambient to 100°C for reaction control.
- Three sizes in the series as your batch grows.

Standards & Quality

- Manufactured under an ISO 9001:2015 certified quality system.
- Popular Traders: CE marked, MSME (Udyam) registered, ZED certified, listed on GeM.
- Serving laboratories and industry since 1942.

Request a Quotation

+91-9896030622 · +91-8199900060
popular1942@gmail.com