



PT-145
CATALYTIC HYDROGENATORS

Cat. No.	Item's Description	Rate
PT-145	<p>CATALYTIC HYDROGENATION APPARATUS Low Pressure shaker type (model CH-500-Glass).</p> <p>A compact unit for chemical reactions which require the agitation of solution in the presence of a gas under pressure upto 60 lbs per square inch. It is recommended for the numerous reduction and condensations which arise in the synthesis and investigation of organic compounds which are accomplished conveniently by treatment with hydrogen in the presence of a suitable catalyst.</p> <p>Description The apparatus consists of a shaker mechanism with 1/4 H.P. AC electric motor (totally enclosed fan cooled type), glass reaction bottle capacity 500 ml., bottle clamp, perforated steel gaurd, gas supply tank of stainless steel 4 litres and pressure gauge range 0 to 100 lbs per square inch. The reaction bottle of borosilicate glass and supply tank are individually tested to 100 125 lbs per square inch pressure. It can also accommodate glass reaction bottle of 250 ml. capacity. Complete with tank inlet valve assembly, three way valve assembly for use between tank and reaction bottle, 6" pressure tubing for connecting gas supply tank to hydrogen cylinder, 15" of pressure tubing for connecting reaction bottle to gas supply tank, tubing clamps, cord and plug. All parts of apparatus are powder coated. The compound gauge (pressure-cum-vacuum gauge) fitted over 3-way valve assembly connecting tank to reaction bottle indicates vacuum in the initial evacuation bottle before reaction and pressure at the time of reaction. The pressure measured by means of the gauge attached is a quick and accurate method of measuring the rate of reaction and also the extent to which the reaction in the bottle has proceeded. The apparatus is fitted on a heavy M.S. base plate, powder coated with metallic blue finish and other parts are chrome plated.</p>	64950-00 each
OPTIONAL ACCESSORIES FOR PT-145		
PT-145/05	<p>ELECTRIC HEATER For use when reactions at elevated temperatures are required. Temperature upto 100°C can be produced along with the shaking action.</p>	2250-00 each
PT-145/10	<p>TEMPERATURE CONTROL UNIT For use with the heater operated by a knob, continuously variable.</p>	2975-00 each
PT-145/15	<p>Tested glass reaction bottle capacity 250 ml.</p>	1695-00 each
PT-145/20	<p>Alluminium block For holding 250 ml. reaction bottle in shaking mechanism.</p>	350-00 each
PT-145/25	<p>Tested stainless steel reaction bottle capacity 500 ml.</p>	6250-00 each
PT-145/30	<p>Tested stainless steel reaction bottle capacity 250 ml.</p>	5250-00 each

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REPLACEMENT PARTS FOR PT-145		
PT-145/35	Glass reaction bottle capacity 500 ml.	1995-00 each
PT-145/40	V-belt for shaking mechanism.	250-00 each
PT-145/45	Silicone bush for 500 ml. bottle	350-00 each
PT-145/50	Silicone bush for 250 ml. bottle.	350-00 each
PT-147	CATALYTIC HYDROGENATION APPARATUS (Model CH-500 Stainless Steel) This is similar to PT-145 but provided with S.S. Bottle	69950-00 each
PT-150	CATALYTIC HYDROGENATION APPARATUS Low pressure shaker type. (Model CH-1000 Stainless Steel) This is similar to PT-145 but having reaction bottle of stainless steel in one litre capacity. It can also accommodate glass or stainless steel reaction bottle of 500 ml cap.	76950-00 each
OPTIONAL ACCESSORIES FOR PT - 150		
PT-150/05	ELECTRIC HEATER For use when reactions at elevated temperatures are required. Temperature upto 100°C can be produced along with the shaking action.	2250-00 each
PT-150/10	TEMPERATURE CONTROL UNIT For use with the heater operated by a knob, continuously variable.	2975-00 each
PT-150/15	Tested stainless steel reaction bottle capacity 500 ml.	6250-00 each
PT-150/20	Tested glass reaction bottle capacity 500 ml.	1995-00 each
PT-150/25	Alluminium block For holding 500 ml. reaction bottle in shaking mechanism.	450-00 each
REPLACEMENT PARTS FOR PT-150		
PT-150/30	Stainless steel reaction bottle capacity 1 litre.	7995-00 each
PT-150/35	V-belt for shaking mechanism.	250-00 each
PT-150/40	Silicone bush for 1 litre bottle	475-00 each
PT-150/45	Silicone bush for 500 ml. bottle.	350-00 each
PT-155	CATALYTIC HYDROGENATION APPARATUS Low pressure shaker type. (Model CH-2000 Stainless Steel) This unit is similar to model PT-145 but the reaction bottle is of stainless steel in two litre capacity and the whole unit is proportionately modified. It can also accommodate stainless steel reaction bottle of 1 litre cap.	79950-00 each
OPTIONAL ACCESSORIES FOR PT-155		
PT-155/05	ELECTRIC HEATER For use when reactions at elevated temperatures are required. Temperature upto 100°C can be produced along with the shaking action.	2250-00 each
PT-155/10	TEMPERATURE CONTROL UNIT For use with the heater operated by a knob, continuously variable.	2995-00 each
PT-155/15	Tested stainless steel reaction bottle capacity 1 litre.	7995-00 each
PT-156/16	Alluminium Block For holding 1000ml. Reaction Bottle in 2000ml. Shaking Mechanism.	625-00 each
REPLACEMENT PARTS FOR PT-155		
PT-155/20	Stainless steel reaction bottle capacity 2 litre.	9995-00 each
PT-155/25	V-belt for shaking mechanism.	250-00 each
PT-155/30	Silicone bush for 1 litre bottle	475-00 each
PT-155/35	Silicone bush for 2 litre bottle.	475-00 each