

ROTARY VACUUM EVAPORATOR WITH RECIRCULATING CHILLER AND VACUUM PUMP (OIL)

MODEL NO.- AGN-1005

TECHNICAL SPECIFICATIONS

The system include a motorized lift/handle with non-slip feature censoring safety by preventing scalding from the bath liquid.

Rotary vacuum evaporator equipped with a 3.5-inch Digital LCD display for the heating bath.

Vertical condenser with surface area 1400 cm².

Motorized lift/hand lift capable of reaching 155 mm or more.

Better Metal base Heating bath supported.

Detachable panel with optional extension cable.

Standby button to halt all functions and elevate the evaporating flask from the heating bath.

A heating bath with a diameter of 255mm, ± 5mm, and a volume capacity of 4.5 L, capable of reaching temperatures up to 200 °C & Secondary temperature cutoff 250 °C.

Equipped with a drain port for removing hot water or oil to prevent splashes and scalding.

Receiving flask capacity one liter fitted with a ball joint.

The temperature control for the heating bath provided be electronic/digital.

Clamping sleeves for easy removal of vapor tube to avoid breakage.

Vapour tube with sleeve for easy removal and cleaning.

Splash water and dust protected detachable panel.

Locking facility for set temperature and rotation speed.

Construction material for the bath must be stainless steel AISI 316L.

Scale of rotation speed 20-270 RPM.

It must have a standby function and residual heat warning for heating bath temp. 50 °C.

Separate operating knobs for adjusting heating & rotational.

Borosilicate Glass Assembly with double coiled condenser.

Equipped with a rotation speed indicator controlled² electronically with LED display.

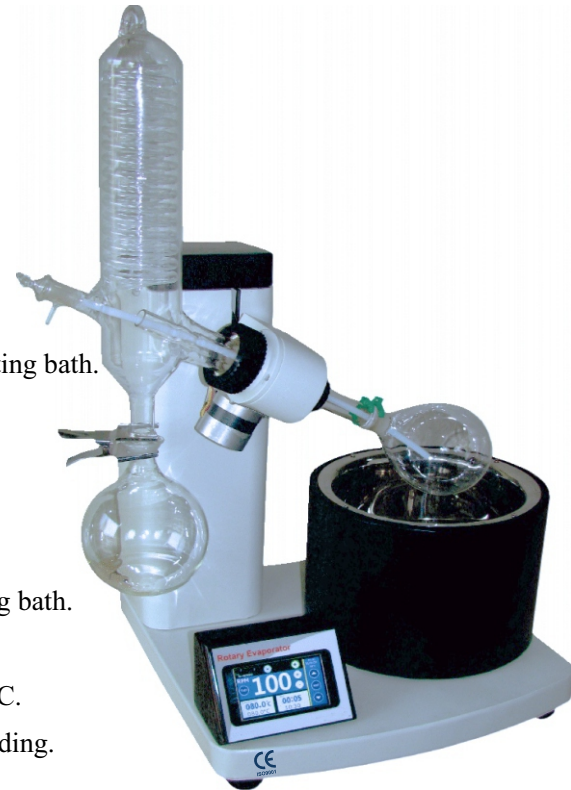
Brushless DC motor with electronic speed control.

Sample flask capacity Provided be 50 ml to 5 lts.

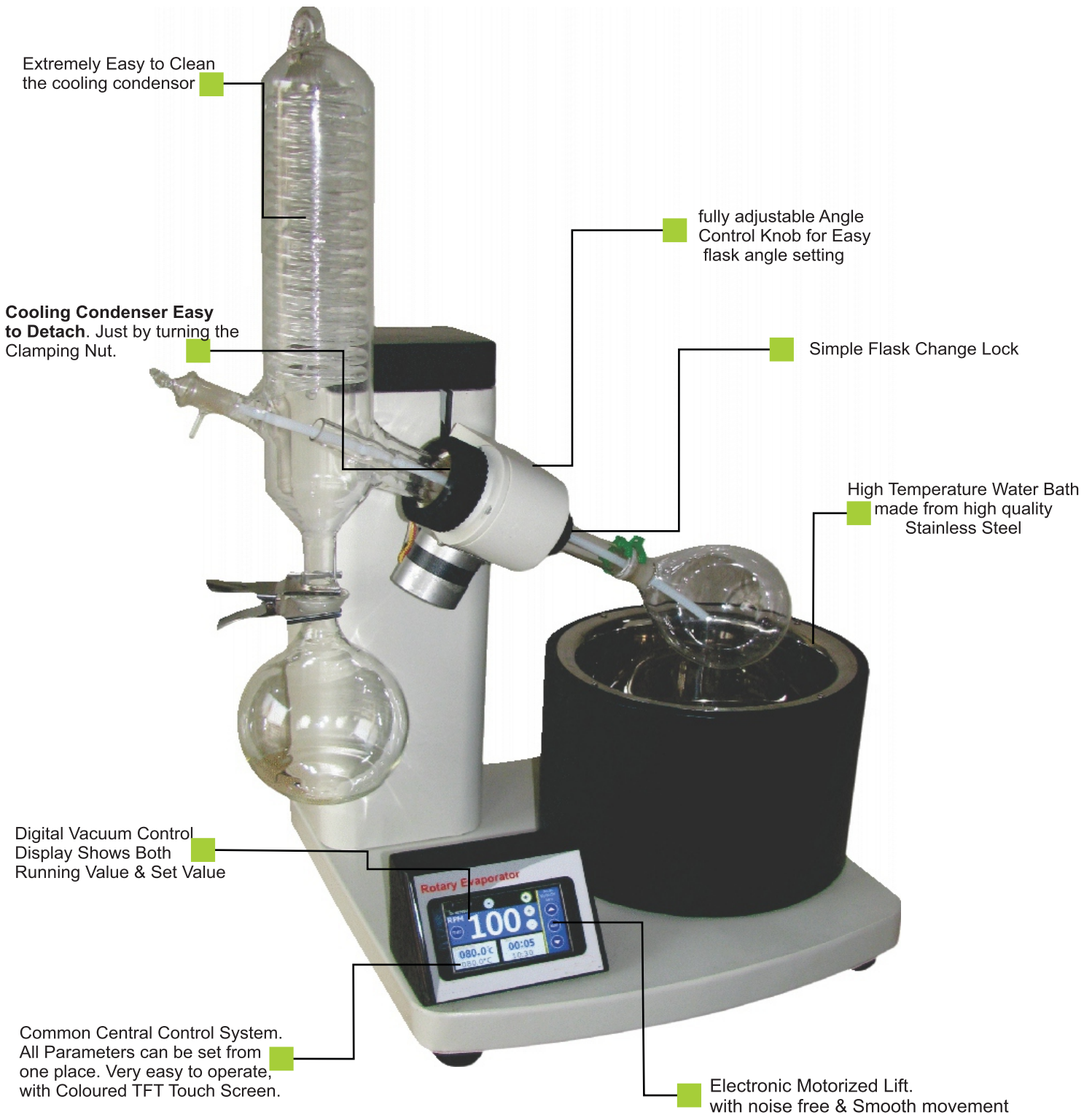
Dimensions with glassware set 740 X 490 X 850mm (W X DX ±10mm).

The system must be new and not refurbished.

Easy-Clip mechanism for convenient attachment, a clamping sleeve, and easy removal of both the vapor duct and evaporation flask.



ROTARY EVAPORATOR



CIRCULATING WATER CHILLER



Picture is for indicative purpose only

A tabletop model with a microprocessor temperature controller meeting the following requirements.

Technical Detail :		
Category	Specifications	Description
Operating Condition	Application	Water/ Glycol Cooling
	Media Temperature Range,	10°C to 40°C
	Ambient Temperature	+5~30°C (20°C recommended)
	Temperature Stability:	± 0.2°C
Cooling Capacity	Cooling capacity	250W at ±20°C , 150W at 0°C
Chamber Volume		10L
CFC free compressor and submersed pump	Make	AGN
	Pump (flux)	8-12 L/min
	Rated Operating Voltage	2000-2500W
	Input Power	220V, 50 Hz.
	Input Current	4.4 Amps
Condenser	Type	Air Cooled
	Construction	Aluminium finned copper tube
Condenser Fan	Make	Hi-cool or Equivalent
	Type	Axial
Evaporator	Type	Copper Pipe in Tank
	MOC	Copper
Refrigeration accessories	Refrigerant	R404
	Expansion valve	Capillary
	High Pressure Gauge	Yes
Electrical accessories	Temperature Controller	Digital
	MCB/Contactor/OLR	Schnieder or Equivalent
Circulation Pump	Motor	25 Watt DC Pump
	Type	Magnetic
	Water Flow	10 LPM
Reservoir	MOC	SS 304
	Insulation	PUF
Pump Pressure		0.40 bar
Noise Level		≤70db
Accuracy		± 0.5°C
Structure & Enclosure	MOC	Mild Steel
	Surface Finish	Powder Coated
Power Supply	Operating voltage	220V, 50 Hz.
Dimension (approx)	LxDxH in Inches	18x30x22 with Wheels (approx.)
Pump head		10' (Feet)

Accessories:-

Water Level Indicator

VACUUM PUMP

Oil Pump



SALIENT FEATURES

High suction capacity of a minimum of 2.0 m³/h, allowing for the simultaneous use of a minimum of 32 lt/min suction capacity for fastest evacuation.

Capability to control the house vacuum or any other vacuum source.

Scale from 0 to 1020 mbar with a display at 50 mbar.

Adapter for the tube with an inner diameter of 8mm.

TECHNICAL SPECIFICATIONS

Chemical resistance Vacuum oil Pump	Double-stage Diaphragm
Vacuum Program	5mbar ±2 mbar.
Suction Capacity	2 rotary evaporators simultaneously.
Supply Power Input (W)	80W
Vacuum Regulator	YES
Motor Rotation	¼ HP, 2880 RPM, 0.001mm vacuum
Overheat Protection	YES
High quality Silicon tube	YES

Supply with vacuum controller unit