

# Glass Lab Reactor with Distillation Setup

## Lab Motor

Digitalized motor from Reputed manufacturer (IKA/VELP/Heidolph) with RPM locking mechanism

## Additional Funnel

250 to 500 mL graduated funnel provided with pressure equalizing line (Ideal for vacuum applications)



## Lab Pressure Safety Valve

Prevents accidents & damages when reactor is used under pressure condition

## Glass Cover

Provision for 6 Nozzle connection for multi-purpose applications and Rodaviss Joints, as per requirement

## Mounting Clamp

Self-centering mechanism that helps with quick tool-free vessel replacement

## Utility Hose

Allow thermostat to detach easily. Quick coupling also provided

## Individual Manifolds

Stainless Steel, Easy to connect & drain

## Tripod Stand

Compact bench top structure with stainless steel frame

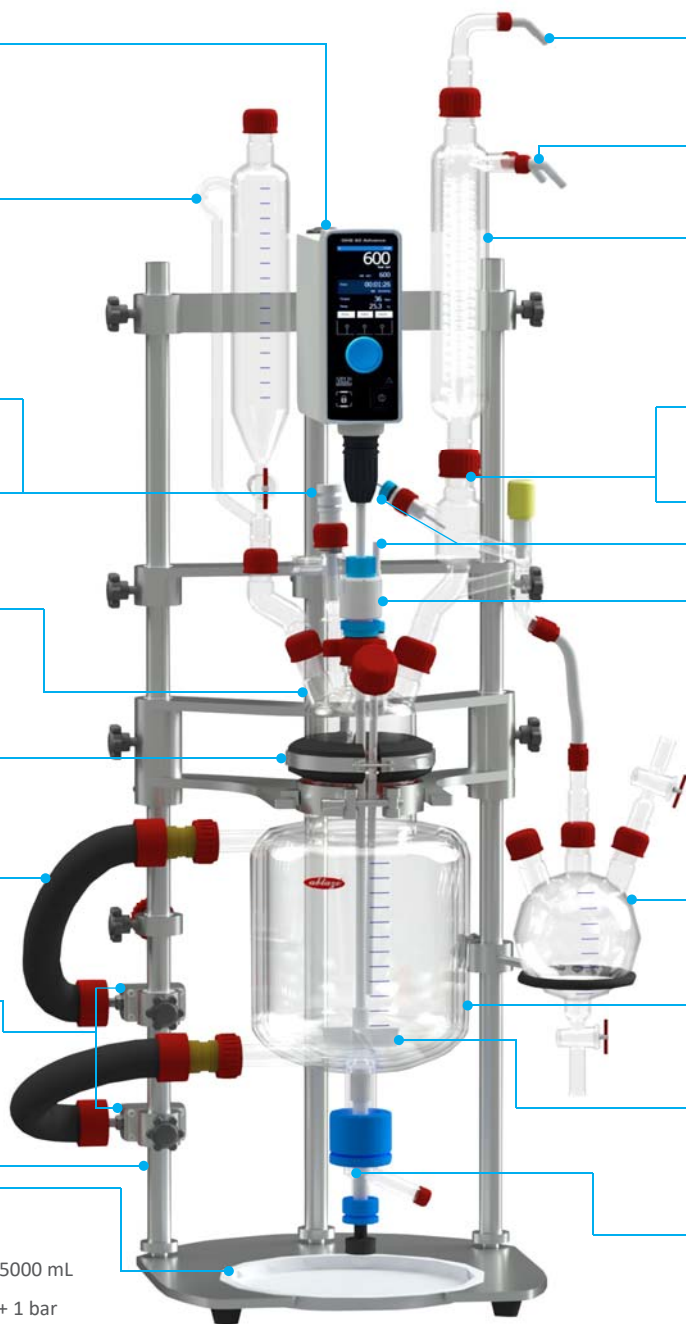
## Spill Collection Tray

Made from Polypropylene

Reactor Capacity : 250 mL to 5000 mL

Operating Pressure : -1 (FV) to +1 bar

Design Temperature : -70 to +200 °C



## Vacuum Pump Connection

Compatible with any lab type vacuum pump with PTFE diaphragm

## Utility Connection

Provision of a hose connector for cold/chilled water circulation

## Condenser

Jacketed coil type condenser with maximum surface area to improve heat exchange



## Lab Reflux Divider

To Study reflux ratio for desired product. Can work as separator for distillate

## Temperature Sensor

PTFE lined RTD Sensor with LEMO Connector can be connected to TCU for temperature control

## Agitator Coupling

PTFE Seal coupling with a mechanical/magnetic seal. Ensure zero vibration and leak proof Stirring

## Receiver Vessels

From 500 to 2000 mL, used to collect the distillate

## Reaction Vessel

Jacketed and triple wall (vacuum jacketed) options are available

## Stirrer

Anchor, Retreat curve and propeller type with PTFE lining. Custom design also available

## Zero Hold-up Valve

Made from PTFE or PEEK for zero retention in the vessel & polymer O-ring ensure no leakage



Ika

Heidolph

Velp

## Lab Motors

Compatible with all leading brands of Overhead Stirrer



Retreat Curve

Anchor

Propeller

## Stirrers

Choose from a variety PTFE Lined Stirrer



Double Wall Reactor

Triple Wall Reactor

Nutsche Filter Reactor

## Reaction Vessels

Adaptable and simple to replace with multiple size vessels 250 mL to 5000 mL



Huber

Julabo

Lauda

## Heating - Chilling Systems

With a temperature range of (-40° to +250° C), thermocirculators increase the heat transfer rate. Huber, Julabo, Lauda and other top manufacture are known for their responsive thermodynamic controllability, exceptionally rapid and steady heat transmission rate and other key features.