

New Innovation LaboRactor™ 0.1 ~ 100Lit

All for Glass Reaction System for Lab & Pilot Plant

AutoLifting- / Classic- / H.Mantle-Models in Vacuum-Line, -80°C +260°C
with Glass Vessel / Lid or PTFE Lid, 45° DN Flange, Safety Connection, and Assembly Frame

Ideal for ▶ Experiment, ▶ Pilot- & Mass-Production



5~100 Lit. AutoLifting-Model I

Manual Tilt, Double-Wall Vessel
High Performance
Ideal for Cleaning



5~100 Lit. Classic-Model II

Double-Wall Vessel
Good for Economic
Operation



0.5~20 Lit. Suspended-Model III

Double-Wall Vessel
Good for Economic
Operation



2~50 Lit. H.Mantle-Model IV

Single-Wall Vessel
Good for Simply
Economic Operation



High-Torque Digital
Overhead Stirrer



PTFE Lids &
Clamping Sys.



Flasks, Round-type



Vessel, Double Wall



PTFE Stirring Impeller

and



General
Multi-Neck Flasks

New Innovation Reactors

All for Glass Reaction System for Lab & Pilot Plant

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LaboRactor™ 0.1~100Lit All for Reaction System, for Lab & Pilot Plant, with Glass Vessel, $-80^{\circ}\text{C} + 260^{\circ}\text{C}$
 Ideal for Chemistry / Pharmacy / Biomedical / Synthesis in Laboratory & Production Scales in Vacuum Line **NEW**
 For Reaction, Mixing, Dispersion & Homogenization, 0.5~1.5bar, 연구 및 제품 생산용 진공반응장치

NEW

New Innovation AutoLifting & Tilt-System

High-torque Stirrer and Safety Stir-Flexi Coupling

Big Volume Reflux Condenser

PTFE Stirring Shaft & Impeller

Reflux Liquid Reservoir

■ PTFE Thermo-Probe "K-type"

Safety PTFE Flexible Connectors for All Joints

PTFE Lid & Clamping

Temp. and Stirring Control

Insulated Hose for Heating Fluid

AutoLifting Control

Double Wall Glass Vessel 5 ~ 100Lit

PTFE Outlet Valve

Heating / Cooling Circulator and Heat Transfer Fluid ; Option

Manual Tilt

Vacuum pump ; Option

AutoLifting and Manual Tilting Reactor System "Model-I"

Applications

- Ideal for the Experiment, Pilot Production, and Production in Chemistry / Fine Chemical Engineering / Pharmacy / Synthesis, and Biomedical Engineering.

- Dispersion, Distillation, Evaporation, Homogenization & Mixing Processes at Laboratory & Production-Scales.

Features

- Can be Used Direct Contact Thermo-Probe "K-type"

■ Modular System:

You can choose Glass Vessel & Lid or PTFE-Lid, Stirrers, Vacuum Pump & Controller, Heating Mantle, Chiller / Cooler or Heating Circulator.

■ Wide-Range Vessels and Convenience:

- * 0.1~100Lit. Vacuum-Purpose Vessels or General Multi-Neck Flasks.
- * Single or Double Walled Glass Vessels.
- * With or Without Out-Let Valve at Vessel Bottom.

- "45° DN 60 ~ DN 200" Standardized Flat-Flange System : with a Comprehensive Range of Accessories and Replacement Parts.

■ Convenient O-Ring GROOVE in the Vessel's Flange:

Ideal for Vacuum or Pressure Applications, and Safe Mounting of the Vessel with the Associated Lid.

- All PTFE Safety Lid with Screw Joint or Glass Lid Available : You can choose

- Safety Flexible PTFE Connection for All Joint Parts.

■ Fully Digital Feedback / Microprocessor Controlled Agitator(Stirrer) :

LCD Display, Power Bar Graph & Status, Over-Load /-Heat Protection Function.

- With Safety Flexible Coupling between Stirring-Motor & Shaft.

■ Easy Installation ; Assembly Frame & Component Parts.

- * Good for Heavier-Work.
- * Modular Components-Spare or Option Parts.
- * Bench- or Floor-Type Assembly Frames.
- * Adjustable Height Length and Removable Frame.
- * Supplying the Component Parts.