



## Lab Reactor



*The utmost reaction system!*

# Steroglass® Lab Reactor

An innovative reaction system designed with the same materials used in chemical processes and suitable for laboratory purposes. Ideal for both scale-down and scale-up processes, it ensures a fast investment return to your research projects.

## Standard features and performances

- 300ml...7 lt interchangeable reaction vessels
- Working temperature: -90°C...+180°C
- Working volume: 150ml...7lt
- Adjustable 304 stainless steel frame
- Fits under most common fume hoods
- Small footprint: ~ 45x45x100h cm

## Application fields

Crystallization studies	Synthesis with filtration	Vacuum distillations
Photochemistry	Nanoparticle synthesis	Emulsions
Hydrolysis	Chemical synthesis	Esterification
Precipitation	Biogas from biomass	Vacuum evaporation
Mixer Reactions	Bioreactions	
Constant pH reactions	Carboxylation	
Catalytic reactions	Dissolutions / formulations	
Enzymatic reactions	Fractionated distillation	
Reactions under reflux	Distillation	
Solvent recovery	Dean Stark distillations	

## Process ready versions:

1. Vacuum distillation with reflux head
2. Enzymatic digestion reactor with automatic pH adjustment
3. Lab reactor with bottom filter for crystallization studies
4. Mixer Reactor for formulation studies

**Universal stirrer coupling**  
-Suitable for all major stirrer brands



**Vessel cover**  
-Standard borosilicate glass  
-Solid PTFE version on demand

**Vessel:**  
- 100 ml to 7 lt working volume  
- Jacketed vessel comes standard  
- Triple wall for cryogenic chemistry on demand  
- Stainless steel thermostatic fluid connectors

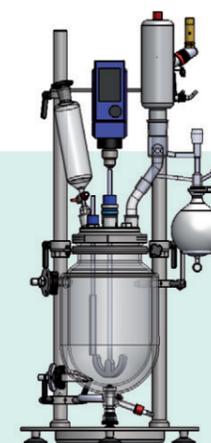
**Bottom drain valve:**  
-Features no dead-volume  
-GL18 thread for easy transfer connection

**Stirrer support flange**  
Simplified alignment

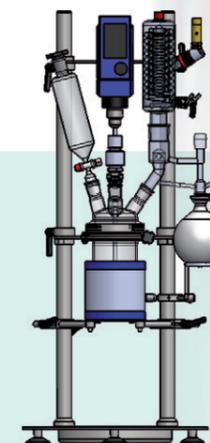
**Glassware:**  
-Standard configuration  
-Completely customized solutions on demand

**Vessel support flange**

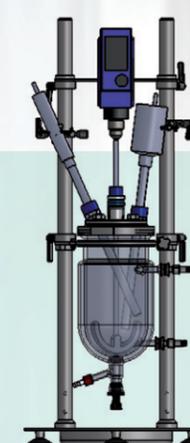
**Frame**  
Heavy duty SS304 frame with antislip adjustable rubber feet



1. Lab Reactor for distillation



2. Lab Reactor for distillation with electrical heating



3. Lab Reactor for crystallization studies



4. Filter Reactor  
Can be used for single or multi-step reactions and filtration in the same vessel, production and scale peptide synthesis



# Other reaction solutions



Strike 300  
Rotary  
Evaporator



Strike 100  
Large Scale  
Rotary Evaporator



Glass Pilot Reactor



## Lab Reactor

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

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