



STANDARDISED, UNIVERSAL REACTORS FOR EVERY BUDGET.

QUICK & EASY OPERATION!

FOR

- Chemical synthesis
- Process development
- Stirring, dissolving, mixing and extraction

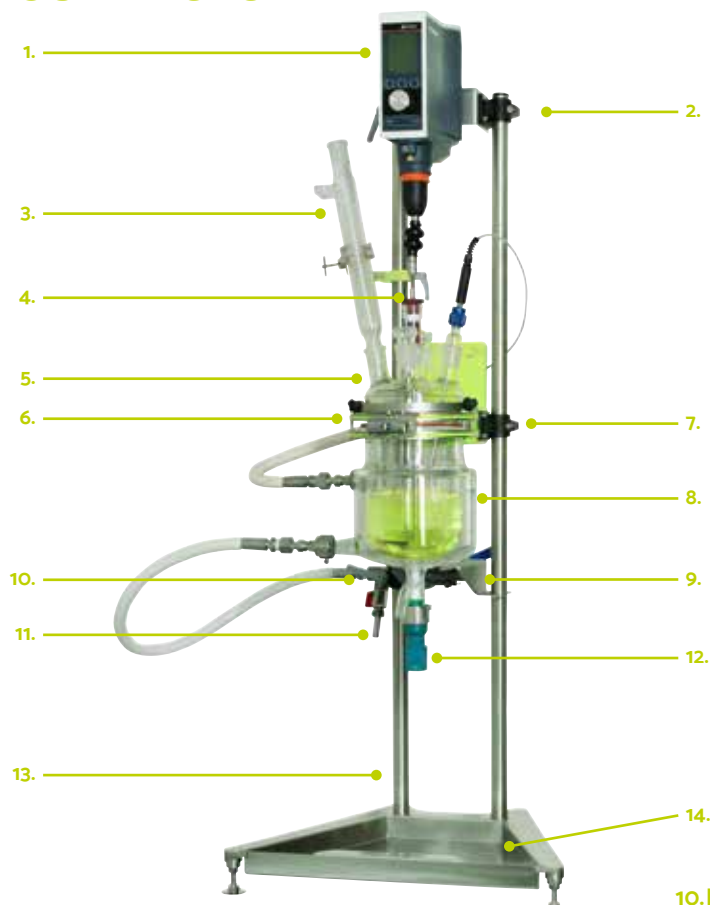
**QUICK & EASY
VESSEL EXCHANGE
WITHOUT REMOVING
THE UPPER SECTION.**



SMART & EASY TO USE REACTOR SYSTEM

BASED ON CUSTOMERS' REQUIREMENTS.

PRECONFIGURED SYSTEM



DO YOU
HAVE OTHER
REQUIREMENTS?

LET'S
TALK!

1. Stirrer motor

Overhead high torque stirrer motor.

2. Stirrer motor support

For horizontal and vertical motor adjustment.

3. Accessories

Different stirrer options: PTFE/316L.
Condensor, baffle, Pt-100, feeding funnel, etc. at request.
Trolley (complete system fits in a walk-in fume hood).

4. Dynamic PTFE agitator seal

Chemically inert, gas-tight, and suitable for work under vacuum.

5. DN150 Cover

Fixed cover. Quick & easy interchanging vessels without removing the upper section.
25 different nozzle configurations!

6. suurGLASS Quick-Action-Clamp 316L

Easy opening system for tool-free rapid exchange or removal of the vessel without removing the cover. The cover is mounted to the frame with a fixed clamp. Innovative Suurmond design.

7. Quick-Action-Clamp support

For tool-free vertical adjustment of the vessel.

8. Jacketed glass vessels

Made of high-quality borosilicate 3.3 glass. Sizes: 1-2-3-4-5 L.
All available jacketed vessels can be used with the same cover.

9. Safety vessel support system

To support your glass reactor during operation and exchange.

10. Hose manifold system

Standard equipped with a manifold system, including hoses for a heating & cooling system; no stress on the glass. Including shut off valves and drain tap.

11. Drain tap

To drain the oil from the reactor.

12. PTFE bottom outlet valve

Zero dead volume.

13. Support frame 316L

Solid & stable with small footprint.
575 W X 523 D X 1300 H.

14. Drip tray 316L

Removable for easy cleaning.

YOUR REACTOR IN DETAIL



SET-UP

- Support frame 316L.
- Removable drip tray 316L.
- Jacketed reactor with cover.
- 1 stirrer.
- suurGLASS Quick-Action-Clamp 316L.
- Dynamic seal with PTFE O-ring.
- Hose manifold, including hoses.
- Heidolph HEI torque motor stirrer.
- Various support and clamp systems.
- PTFE bottom outlet valve.
- Fits in a "table-top" fume hood.



VESSEL FEATURES

- Type I, Class A borosilicate glass that complies with ASTM Specification E438 for the exceptional chemical and heat resistance.
- 1-2-3-4-5 litre jacketed vessels.
- Triple jacketed vessels on request.
- DN150 vessel and cover.
- PTFE bottom outlet valve; zero dead volume.
- Wide range of accessory glassware, including condensers, dropping funnels.
- Operation up to 200°C.



DN150 COVER

- 1 cover for all vessel sizes (1-5L).
- Fixed cover; quick & easy exchange of the vessels without removing the upper section (motor/ dynamic seal/ cover).
- Max. 5 nozzles, including the center nozzle.
- 25 different nozzle configurations.



suurGLASS QUICK-ACTION-CLAMP

- Easy opening system for tool-free, rapid exchange of the vessel without removing the cover.
- Single-person-operation.
- The cover is mounted to the frame with a fixed clamp.
- PTFE seal, others at request.
- Innovative Suurmond design.

*We offer complete solutions,
including: thermostat,
automation & installation.
Plug & play!*





QUICK-ACTION-CLAMP SUPPORT

- For tool-free vertical adjustment of the vessel.
- Single-person-operation.



HOSE MANIFOLD SYSTEM

- Advantage: no stress on the glass.
- Including hoses for a heating & cooling system.
- Including shut off valves; no spilling of thermo fluids when exchanging the vessels.



DRAIN TAP

- To drain the oil from the reactor.
- No spilling of thermo fluids when exchanging the vessels.



SAFETY VESSEL SUPPORT PLATE

- Supports the vessel during operation and when removing it.
- Single-person-operation!

*We think in solutions,
not in products!*



YOUR ADVANTAGES

INTERCHANGEABLE

Quick & easy, tool-free vessel exchange with our innovative suurGLASS Quick-Action-Clamp without removing the upper section.

FLEXIBLE

Accepts all leading brands of overhead stirrers and allows easy, tool-free adjustment. 1 cover plate for various vessel volumes (1-5L) which can be configured to suit the chemistry and scale needed for each project.

INNOVATIVE

Solid and stable support stand in 316L, featuring easy alignment of reactor and stirrer. Innovative hose manifolds and drain tap allow easy thermo fluid drain down.

SUURGLASS IS A SUURMOND PRODUCT.

*Engineered
solutions,
dedicated to your
application!*



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